Remedial Investigation Work Plan

619 Exchange Street Site
BCP Site No. C915403

619 Exchange Street
Buffalo, Erie County, New York 14210

February 2025

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Certification

I, Thomas H. Forbes, certify that I am currently a NYS registered professional engineer and that this February 2025 Remedial Investigation (RI) Work Plan for the 619 Exchange Street Site was prepared in accordance with applicable statutes and regulations and in substantial conformance with the DER Technical Guidance for Site Investigation and Remediation (DER-10).



Thomas H. Forbes, P.E. | 2-28-25 | Signature

NYS Professional Engineer #070950-1 | Date

It is a violation of Article 145 of New York State Education Law for any person to alter this document in any way without the express written verification of adoption by any New York State licensed engineer in accordance with Section 7209(2), Article 145, New York State Education Law.

LIST OF ACRONYMS

ACM	Asbestos Containing Material
AST	Aboveground Storage Tank
BCA	Brownfield Cleanup Agreement
BCP	Brownfield Cleanup Program
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CAMP	Community Air Monitoring Plan
C/D	Construction and Demolition
CFR	Code of Federal Regulation
COC	Certificate of Completion
CP	Commissioner Policy
DER	Division of Environmental Remediation
DUSR	Data Usability Summary Report
EC	Engineering Control
ELAP	Environmental Laboratory Approval Program
FBGS	Feet Below Ground Surface
FER	Final Engineering Report
FOP	Field Operating Procedure
GWQS/GV	Groundwater Quality Standards/Guidance Values
HASP	Health and Safety Plan
IC	Institutional Control
IRM	Interim Remedial Measure
LQG	Large Quantity Generator
LUST	Leaking Underground Storage Tank
MECP	Master Erosion Control Plan
NYSDEC	New York State Department of Environmental Conservation
NYSDOH	New York State Department of Health
NYSDOL	New York State Department of Labor
NYCRR	New York Codes, Rules, and Regulations
O&M	Operations and Maintenance
OM&M	Operation, Maintenance, and Monitoring
OSHA	Occupational Safety and Health Administration
PAHs	Polycyclic Aromatic Hydrocarbons
PCB	Polychlorinated Biphenyl
PFAS	Per- and Polyfluoroalkyl Substances
PID	Photoionization Detector
PPM	Parts Per Million

PRR	Periodic Review Report
QA/QC	Quality Assurance/Quality Control
QAPP	Quality Assurance Project Plan
RAO	Remedial Action Objective
RAWP	Remedial Action Work Plan
RCRA	Resource Conservation and Recovery Act
REC	Recognized Environmental Condition
RI	Remedial Investigation
ROD	Record of Decision
RP	Remedial Party
SCG	Standards, Criteria, and Guidelines
SCO	Soil Cleanup Objective
SMP	Soil Management Plan
SSAL	Site-Specific Action Limit
SVOC	Semi-Volatile Organic Compound
TAL	Target Analyte List
TCL	Target Compound List
TCLP	Toxicity Characteristic Leachate Procedure
TIC	Tentatively Identified Compound
USEPA	United States Environmental Protection Agency
UST	Underground Storage Tank
VOC	Volatile Organic Compound

1. Introduction

This document presents the proposed scope of work and implementation procedures for completion of a Remedial Investigation (RI) at the 619 Exchange Street Site (Site), located at 619 Exchange Street in the City of Buffalo, New York (see **Figure 1** and **Figure 2**).

The Applicant, PG Larkinville, LLC (PG Larkinville), acting as a Volunteer, has elected to pursue cleanup and redevelopment of the Site under the New York State Brownfield Cleanup Program (BCP), and has submitted a BCP Application to the New York State Department of Environmental Conservation (NYSDEC) that was deemed complete. The RI will be completed by Roux Environmental Engineering and Geology, DPC (Roux), on behalf of the Applicant. The work will be completed in accordance with NYSDEC DER-10 guidelines (**Ref. 6**), 6NYCRR Part 375 regulations and the site-specific Brownfield Cleanup Agreement (BCA). The planned redevelopment is to renovate the existing building for mixed-use residential (multifamily apartments) and commercial purposes.

1.1 Site Background

The BCP Site consists of one legal parcel totaling approximately 0.72-acres. The BCP Site is currently vacant and underutilized with the western portion of the Site consisting of a concrete slab from a former building and the remainder of the Site is developed with a vacant building historically used for commercial and industrial purposes.

Roux previously completed a historical record research, including reviews of Sanborn Fire Insurance Maps, and municipal records for additional information relative to the Site. The Site was previously used in residential, commercial, and industrial capacities. Commercial and industrial uses of the Site included mill work, lumber storage, woodworking, bedding/textile manufacturing, warehousing, storage, and distribution. Prior to the construction of the existing building, the Site was developed with railroad tracks, an icehouse, residential structures, and outbuildings, as depicted on historic Sanborn maps.

The existing building was constructed at the Site in 1908 with additions made in 1924. The Site was occupied by Iroquois Doors Co. and used for mill work, planning, woodworking, and lumber storage from at least 1926 through at least 1986. Other occupants include Otis Bedding Manufacturing Co. from at least 1992 through at least 2014, Ken's Sports Warehouse from at least 2008 through at least 2014, Copeland Family Servies in at least 2010, and K.W. Textile, Inc., a textile distribution warehouse (with possible textile manufacturing) from at least 2001 through 2018. The Site has been vacant since approximately 2018.

Historic municipal records indicate the wiring for a fuel oil burner in 1979. During previous investigations, cut copper lines, a 5,000-gallon fuel gauge, and a suspect former aboveground storage tank (AST) vault were identified at the Site. In addition, a suspect candy cane vent pipe protruding from the south wall of the existing was presumably associated with the former fuel oil tank.

Past uses of the Site (e.g. mill work, woodworking, lumber storage, manufacturing, warehousing) and the presence of urban fill material across the Site likely due to demolition and backfill of former structures have resulted in impacts to the Site. Fill material containing wood, ash, and brick was identified Site-wide to depths between 1 and 3 feet below ground surface (fbgs). Previous environmental investigations completed and laboratory analytical results indicate 6NYCRR Part 375 (Part 375) Restricted Residential Use Soil Cleanup Objectives (RRSCOs) exceedances of semi-volatile organic compounds (SVOCs), specifically

polycyclic aromatic hydrocarbons (PAHs), and metals including arsenic, barium, lead, and mercury across the Site. Roux notes that RRSCOs are the most applicable SCO to the Site based on the future intended use. Details of the previous investigations are presented in **Section 2.8** below and the reports are provided in **Appendix B**.

1.2 Project Objectives

For sites entering the BCP at the point of investigation, NYSDEC requires completion of the RI detailed in this Work Plan. The primary objectives of this RI are to:

- Collect additional media samples, under appropriate quality assurance/quality control criteria, to better delineate the nature and extent of contamination.
- Assess the groundwater flow direction and groundwater quality conditions at the Site.
- Determine if the concentrations of constituents of concern in site media pose potential unacceptable risks to human health and the environment.
- Provide the data needed to evaluate potential remedial measures and determine appropriate actions to address potential risks.

As part of the RI, sampling data will be used to evaluate whether remedial alternatives can meet the objectives. The intended uses of these data dictate the confidence levels. Two data confidence levels will be employed in the RI: screening level data and definitive level data. In general, screening level confidence will apply to field measurements, including photo-ionization detector (PID) measurements, groundwater elevation measurements, and field analyses (i.e., pH, temperature, dissolved oxygen, specific conductivity, and turbidity). Definitive level confidence will apply to samples for chemical analysis. The applicability of these levels of data will be further specified in the Quality Assurance Project Plan (QAPP) in **Section 4**. Sampling and analytical acceptance and performance criteria such as precision, accuracy, representativeness, comparability, completeness, and sensitivity, are defined in the QAPP.

1.3 Project Organization and Responsibilities

The Applicant, PG Larkinville, LLC, has applied to the New York State BCP as a Volunteer, i.e., non-polluter, per ECL§27-1405. Roux will complete the RI and manage the brownfield cleanup, on behalf of the Applicant. Roux will also be responsible for verifying and certifying that the brownfield remedial action was completed in conformance with the approved work plans and NYSDEC DER-10 requirements.

Roux personnel as well as subcontractors for this project have not been determined at this time. Once pricing is secured, subcontract agreements are in place, and a field schedule determined, résumés for the selected project team will be provided to the Department, if requested. Roux's Project Manager's résumé, however, has been included in **Appendix A**. The table below presents the planned project team.

Company	Role	Name	Contact Information
PG Larkinville, LLC	Applicant contact	Andrew I. Crossed	(585) 434-4762
Roux	Principal Scientist /Project Officer	Mike Lesakowski	(716) 856-0599
Roux	Principal Engineer	Thomas H. Forbes, P.E.	(716) 856-0599
Roux	Project Manager	Bryan Mayback	(716) 856-0599
TBD	Analytical Testing	TBD	TBD
TBD	Drilling Services	TBD	TBD
TBD	Excavation Services	TBD	TBD
Data Validation Services	DUSR	TBD	TBD

2. Site Description

2.1 General

The Site is located in an urban area at the southwest corner of the intersection of Exchange Street and Larkin Street in the City of Buffalo, New York. The Site is located in a highly developed mixed-use residential, commercial, and industrial area (see **Figure 1**). The Site is bordered by commercial and industrial properties and Exchange Street to the north; a vacant commercial property to the south; a commercial property and Larkin Street to the east; and a commercial property and railroad lines to the west (see **Figure 2**). The Site is supplied with municipal sanitary sewer, electric, natural-gas, and public water. As previously discussed, one structure is present on the Site; for the purpose of this report, the Site and existing building have been split into three sections, as follows:

- Section 1, eastern and central four-story portion of the building with a subgrade basement.
- Section 2, the western-most two-story slab-on-grade portion of the existing structure.
- Section 3, the western-most portion of the Site that includes a concrete slab from a former portion of the building that was previously demolished

2.2 Site Topography and Drainage

The Site has relatively level surface elevations and is located within the Lake Erie-Niagara River major drainage basin, which is typified by little topographic relief that gently slopes westward towards the Niagara River, except in the immediate vicinity of major drainage ways. Virtually the entire soil surface is covered by asphalt, concrete, buildings, or other impervious structures, typical of an urban environment, Precipitation (i.e., rain or melting snow) is likely to move with topographic relief. Shallow groundwater flow is likely to be affected by various cycles of development and filling, as well as utilities and foundation installation.

2.3 Geology and Hydrogeology

2.3.1 Overburden

According to the United States Department of Agriculture (USDA) Web soil survey (**Ref. 1**), Site soils are characterized as Urban land. These soils are characterized as 80 percent urban land and 20 percent minor components. The Site's soil consists of an upper layer of fill, which overlies native sands/silts and gray clay. The Site consists of 4 to 6 inches of concrete overlying urban fill to depths ranging between at least 1 to 3 fbgs and native clay or combinations of sand and clay beneath the fill units to at least 6 fbgs. Note that the ground surface is approximately 10 ft lower under Section 1 of the building, compared to the rest of the Site, due to the presence of a subgrade basement. Fill material in the western portion of the Site consists of black sand with varying mixtures of white ash, cinders/black fines, wood, and gravel. Fill materials in the eastern portion of the Site consists of black gravel and sand with black fines and black granular material. Black to dark brown clayey sand was identified underlying the fill to at least 4 fbgs in the western portion of the Site. Native reddish-brown lean clay was identified underlying the fill to at least 6 fbgs in the eastern portion of the Site.

Groundwater was encountered at three investigation locations at depths ranging between 2.5 and 5 fbgs. Standing water/groundwater was also observed at each supplemental investigation location (SB-8 through SB-10) at approximately 1 fbgs. It should be noted that water encountered within the eastern portion of the Site was determined from the top of the concrete basement slab which is approximately 10 fbgs.

Groundwater flow is likely to the west/southwest toward the Buffalo River. Local groundwater flow, however, may be influenced by subsurface features, such as excavations, utilities, and localized fill-conditions. Bedrock was not encountered during the previous investigations. The geology of the Site will be further investigated as part of the RI activities. Monitoring wells will be installed during the investigation to assess groundwater flow and quality.

2.3.2 Bedrock

Based on the bedrock geologic map of Erie County, the Site is situated over the Onondaga Formation of the Middle Devonian Series. The Onondaga Formation is comprised of a varying texture from coarse to very finely crystalline with a dark gray to tan color and chert and fossils within. The unit has an approximated thickness of 110 to 160 feet. An intersecting, orthogonal pattern of fractures and joint sets are common throughout the bedrock strata. The surficial geomorphology of the bedrock strata was modified by period sub-aerial erosion and continental glaciation.

2.3.3 Hydrogeology

The Site is located within the Lake Erie-Niagara River major drainage basin, which is typified by little topographic relief that gently slopes south/southwestward towards the Buffalo River, except in the immediate vicinity of major drainage ways. According to the USDA Web soil survey, Site soils are characterized as Urban land (Ud, see **Figure 3**). This soil is characterized as 80 percent urban land and 20 percent minor components. Soils within the City of Buffalo with the majority of soil surface covered by asphalt, concrete, buildings, or other impervious structures, typical of an urban environment, are characterized as urban land. Localized on-site groundwater flow will be investigated during the RI, if encountered in overburden soil.

2.4 Climate

The City of Buffalo has a cold continental climate, with moisture from Lake Erie causing increased precipitation. Average annual precipitation is reportedly 40.5 inches and snowfall is 94 inches. The average temperature is 48 degrees Fahrenheit. The ground and lakes typically remain frozen from December to March. Winds are generally from the southwest (USClimateData.com).

2.5 Population and Land Use

The City of Buffalo, encompassing 40.38 square miles, has a population of 278,349 (2020 US Census Bureau). The Site is in Census Tract 165, in an area of the City of Buffalo zoned for residential use.

The current zoning for the Site is N-1S (secondary employment center), which is defined as mixed-use employment centers primarily located along the New York Central Belt Line, often defined by mid-rise and large-footprint industrial structures. According to the Buffalo Green Code, the project redevelopment (mixed residential and commercial uses), appears to be consistent with the zoning assigned to the Site. The Site is currently occupied with one vacant industrial structure. The surrounding parcels are as follows:

- north – commercial and industrial and Exchange Street;
- south – vacant commercial;
- east – commercial and Larkin Street; and
- west – commercial and railroad.

According to NYSDEC Environmental Zone (EN-Zone) mapping, the Site is located in the US Census Tract 164 and is a NYS designated EN-Zone Type B, which is indicative of the economic conditions of the surrounding area. Type B EN-Zones include a poverty rate of at least 20% and unemployment rate of at least 125% of the State average. The Site is also located within a designated disadvantaged community (tract GOID: 36029016400).

2.6 Utilities and Groundwater Use

The subject property has access to all major public utilities, including potable water (Buffalo Water Authority), sanitary and storm sewers (Buffalo Sewer Authority), electric (National Grid), and natural gas (National Fuel Gas). Utilities are found within the right-of-ways along Exchange Street and Larkin Street.

Groundwater at the Site is assigned Class "GA" by 6NYCRR Part 701.15. Currently, there are no deed restrictions on the use of groundwater at the Site; however, there are no groundwater supply wells on the property. Regionally, groundwater in the area has not been developed for industrial, agriculture, or public supply purposes. Municipal potable water service is provided on- and off-site.

2.7 Wetlands and Floodplains

There are no state or federal wetlands or floodplains located on-site or adjacent to the Site. According to the NYSDEC Environmental Resource Mapper, the nearest wetland is the Buffalo River, located approximately 0.82 miles southwest of the Site, and is considered a federal wetland area (R2UBH).

2.8 Previous Investigations

A summary of the investigations that have occurred at the Site is presented below, included in **Appendix B** and the investigation locations with areas of concern are shown in **Figure 4**.

2.8.1 July 2018 — Phase I Environmental Site Assessment

A Phase I Environmental Site Assessment (ESA) completed by TurnKey Environmental Restoration, LLC (now Roux) in July 2018 identified recognized environmental concerns (RECs) at the Site. The specific RECs identified for the Site included the following:

- The building has a long history of woodworking, planing, and milling operations. Such activities could result in environmental impacts beneath the building slab due to the reasonably anticipated use of woodworking machinery and chemicals such as wood preservatives, stains, paints, etc.
- Evidence of historic fuel oil heat including cut copper lines and a suspect 5,000-gallon fuel gauge. Tank-related information is unavailable. Roux suspects, but could not confirm, that an AST was formerly present within a vault proximate to the boiler room within the basement of Section 1.
- The threaded suspect vent pipe observed protruding from the south wall of the building is considered a REC as the nature of the pipe is unknown.
- Prior to the current on-Site development, railroad tracks bisected the Site.

2.8.2 October 2023 — Phase II Environmental Investigation

In October 2023, TurnKey completed a Phase II Environmental Site Assessment of the Site. Phase II activities included completion of three hand cores (HC-1 through HC-3), advancement of ten soil borings (SB-1 through SB-10), and collection of 13 subsurface soil/fill samples (see **Table 1**). The findings of the investigation are summarized below:

- Fill material, consisting of mixtures of black fines, granular material, ash, cinders, and/or fragments of wood and brick was encountered across the Site at all of the investigation locations at depths ranging between 1 fbgs and 3 fbgs. Chemical analysis indicates the presence of impacted fill materials across the Site.
- PAHs and metals were detected at concentrations above Part 375 RRSCOs across the Site. The highest PAH concentrations were identified on the eastern and western portions of the Site. Elevated metals were identified across the Site, in the eastern, western, and central areas. The highest concentrations include arsenic, which exceeded its Industrial Soil Cleanup Objective (ISCO) at SB-2 (64.4 milligrams per kilogram, mg/kg), barium, which exceeded its Commercial SCO (CSCO) at SB-10 (1,850 mg/kg), lead, which exceeded its RRSCO at HC-1 (525 mg/kg), and mercury, which exceeded its ISCO at HC-1 (12.2 mg/kg).

2.8.3 January & December 2024— BCP Application and Acceptance

In January 2024, Roux submitted a BCP application to the NYSDEC based upon the above-mentioned previously conducted investigations and soil/fill analytical data collected from the Site. On January 22, 2024, Roux received a Letter of Completeness from the NYSDEC, and the fully executed agreement (BCA) was executed December 2, 2024.

This RI Work Plan is the first required submittal of the BCP, additional information relative to Roux's planned scope of work is provided below.

3. Remedial Investigation Scope of Work

The RI scope of work is focused on defining the nature and extent of contamination on-site, delineating the extent of known contamination, identifying the source(s) of contamination, defining chemical constituent migration pathways, qualitatively assessing human health and ecological risks (if necessary), and obtaining data of sufficient quantity and quality to perform the alternatives analysis report. Any deviation from the remedial investigation will require notification to NYSDEC and approval by NYSDEC before being implemented.

Field team personnel will collect environmental samples in accordance with the rationale and protocols described in the QAPP in Section 4. The United States Environmental Protection Agency (USEPA) and NYSDEC-approved sample collection and handling techniques will be used. Samples for chemical analysis will be analyzed in accordance with USEPA SW-846 methodology with an equivalent Category B deliverable package to meet the definitive-level data requirements. Analytical results will be evaluated by a third-party data validation expert in accordance with provisions described in the QAPP. Data submittals will be provided to the NYSDEC in accordance with the most current electronic data deliverables (EDD) protocols.

During intrusive RI activities, a Community Air Monitoring Plan (CAMP) will be followed. The CAMP is consistent with the requirements for community air monitoring at remediation sites as established by the New York State Department of Health (NYSDOH) and NYSDEC. Accordingly, it follows procedures and practices outlined under NYSDEC's DER-10 (May 2010) Appendix 1A (NYSDOH's Generic Community Air Monitoring Plan) and Appendix 1B (Fugitive Dust and Particulate Monitoring).

The investigation approach is described below. **Figure 5** shows the planned RI sample locations. **Table 2** summarizes the planned Sampling and Analytical Program (SAP)

3.1 Pre-Investigation Activities

3.1.1 Utility Clearance

Prior to any intrusive activities, Dig Safely New York (Call 811) will be contacted by the site contractor a minimum of three business days in advance of the work and informed of the intent to perform excavation work at the Site. If underground utilities are present on the property and are anticipated to interfere with intrusive activities, the Applicants and the NYSDEC will be contacted to discuss mitigating measures.

3.2 Soil/Fill Investigation

A soil/fill investigation will be completed across the Site to further assess whether additional impact exists beyond the limits of, and to assess the extent of, known historical contamination. The soil/fill investigation will include the collection of surface and subsurface soil/fill samples. The soil/fill investigation will consist of soil borings, hand corings, and subsurface sampling to allow for characterization of soil/fill material and sample collection. Roux notes that a survey plan will be developed in accordance with DMM-5 if slag is encountered during RI activities.

3.2.4 Subsurface Soil/Fill Investigation

Supplemental subsurface soil/fill exploratory locations will be advanced across the Site to further delineate the extent of known contamination, identify the presence of historic urban fill, and determine if other impacts requiring remediation are present at the Site, as further discussed below.

3.2.4.1 Soil Borings

Seven soil borings, identified as MW-1 through MW-6, and SB-11 (continuation from previous sampling activities), will be advanced, in the proposed areas shown on **Figure 5**, to collect soil samples and allow for the installation of monitoring wells. Soil borings will be advanced to an estimated depth of up to 16 fbgs to ensure native soil, or at a minimum of five feet into the upper water bearing zone, or until equipment refusal, whichever occurs first. Due to the nature of the Site, with drilling in interior (limited access) and exterior areas, differing drilling equipment will be used, as follows:

- Existing Building Sections 1 and 2 (interior areas) – drilling within the existing building footprint will be performed using a direct-push power Geoprobe 420M drill rig, which is portable and can be maneuvered through narrow doorways and into basements. This drill rig only allows for installation of one-inch diameter monitoring wells. Additional information related to groundwater investigation activities is provided below in Section 3.3.

- Former Building Area Section 3 (exterior) - exterior soil borings will be performed with a direct-push drill rig equipped with augers. This drill rig is capable of installing two-inch diameter monitoring wells.

All non-dedicated drilling tools and equipment will be decontaminated between boring locations using potable tap water and a phosphate-free detergent (e.g., Alconox).

Drill cuttings and any other investigation derived waste (IDW) will be managed in accordance with DER-10 3.3(e). Specifically, drill cuttings from soil borings where wells will be installed will be placed in sealed New York State Department of Transportation (NYSDOT)-approved drums and labelled for subsequent characterization and disposal. Additional information is provided in **Section 3.6** below.

Roux will oversee the investigation work and create a field borehole log (including photographs) for each investigation location. FOP 047.0 in **Appendix F** provides a sample field borehole log. Real time air and particulate monitoring will be conducted during intrusive activities using a PID and particulate monitor in accordance with the CAMP.

All soil samples will be field screened for the presence of volatile organics using a calibrated PID with a 10.6 eV lamp, as a procedure for ensuring the health and safety of personnel at the Site, and to identify potential impacts in soil samples for laboratory analysis. Upon reaching the completion depth of each location, field visual/olfactory and PID results will be reviewed, and sample intervals will be determined.

If boring location modifications are required based on field conditions, such a deviation would require notification to the NYSDEC and approval by the NYSDEC before being implemented.

3.2.4.2 Hand Corings

Due to limited drill rig accessibility within existing building, eight soil/fill samples are planned for collection from beneath the existing building slabs via hand coring (HC) using auger equipment in the approximate locations shown on **Figure 5**. After removal of concrete flooring with a concrete core drill, one soil/fill sample will be collected from beneath subbase material at the planned locations; specifically, two HC samples (HC-4 and HC-5) are planned for the Section 2 (building slab-on-grade area) and six additional HC samples (HC-6 through HC-11) are planned for the larger Section 1 (building basement area). To allow for characterization of soil/fill beneath the building slabs, interior HCs will be advanced to the maximum reach of the hand tools estimated at a depth of up to five fbgs, or equipment refusal, whichever occurs first.

Spoils will be placed back into the cored auger hole in the same order as it was removed unless gross contamination (i.e., visible product) is encountered, in which case they will be placed in sealed NYSDOT-approved drums and labeled for subsequent characterization and disposal, if necessary.

3.2.5 Subsurface Soil/Fill Sample Collection and Analysis

Table 2 summarizes the proposed RI sample collection and analytical program. The soil/fill samples will be collected to further delineate the horizontal and vertical extent of the known contamination and determine if other impacts requiring remediation are present at the Site.

The sample interval identified as the most impacted (i.e., greatest PID scan result and/or visual/olfactory evidence of impact) at investigation locations will be selected for laboratory analysis. If either the impacts are ubiquitous from grade to final depth or no impacts were identified, the soil/fill directly above water table will be selected for analysis. If the impacts are ubiquitous from grade to final depth or no impacts were identified, and water is not encountered at a particular sample location, the sample interval will be selected based on the professional discretion of the field personnel and in consultation with the NYSDEC. If differentiable impacts are noted during the investigation, additional samples will be collected such that representative samples from all fill/soil types are collected. Field personnel are afforded full discretion and authority to sample differential impacts as necessary.

Subsurface soil/fill sampling will be completed in accordance with the SAP presented on **Table 2**. Specifically, nineteen subsurface soil samples from two distinct lithology zones (fill and native soils) will be screened, sampled and analyzed for target compound list (TCL) SVOCs and target analyte list (TAL) metals. Twelve of these subsurface samples consisting of fill and native soil samples will considered full suite and will also be analyzed for TCL plus CP-51 volatile organic compounds (VOCs), polychlorinated biphenyls (PCBs), pesticides, herbicides, 1,4-dioxane, and per- and polyfluororoalkyl substances (PFAS). We note that if groundwater sampling (further discussed below) detects analytes that were not sampled for in the associated soil boring, additional soil sampling may be required. En-core samplers will be used to collect VOC soil samples. Remaining samples will be collected and placed into pre-cleaned laboratory provided sample bottles, cooled to 4ºC in the field, and transported under chain-of-custody command to a NYSDOH Environmental Laboratory Approval Program (ELAP)-certified analytical laboratory. Planned full suite sample locations are shown on Figure 5.

Up to three waste characterization soil/fill samples, including one sample from each section, will be collected during the RI and analyzed for Toxicity Characteristic Leaching Procedure (TCLP) VOCs, TCLP SVOCs, TCLP metals, PCBs, ignitability, corrosivity, and reactivity to fulfill landfill analytical disposal requirements; the samples will be chosen to represent fill conditions across the Site, to include previously identified fill areas with elevated metal concentrations. Based on the results of the RI soil/fill samples and the waste characterization soil/fill samples, the landfill may allow the waste characterization parameter list

to be reduced to the primary constituents of potential concern (COPCs) if the facility requires additional waste characterization samples based on the estimated disposal volume.

Pre-characterization of the soil/fill will allow for direct loading and off-site transportation at the time of the impacted soil/fill excavation. Based on the results of the waste characterization sampling, impacted soil will be managed according to all federal, state, and local waste disposal regulations.

The soil/fill samples will be analyzed in accordance with USEPA SW 846 methodology with equivalent Category B deliverables to allow for independent third-party data usability assessment.

3.3 Groundwater Investigation

One two-inch diameter groundwater monitoring well, identified as MW-1 (exterior well), and five one-inch diameter groundwater monitoring wells (interior wells[1]), identified as MW-2 through MW-6, will be advanced at the Site to assess groundwater quality data and flow direction. **Figure 5** shows the planned groundwater monitoring well locations and planned full suite sample locations. Monitoring well installation and groundwater sample collection details are discussed in the following sections.

3.3.1 Monitoring Well Installation

Monitoring wells will be installed following the advancement of soil borings. All non-dedicated drilling tools and equipment will be decontaminated between boring locations using potable tap water and a phosphate-free detergent (e.g., Alconox).

The exterior monitoring well will be constructed with 2-inch diameter Schedule (SCH) 40 PVC with a minimum 5-foot flush joint SCH 40 PVC 0.010-inch machine-slotted well screen. Interior wells will be constructed with 1-inch diameter Schedule (SCH) 40 PVC with a minimum 5-foot flush joint SCH 40 PVC 0.010-inch machine-slotted well screen. Each well screen and attached riser will be placed at the bottom of each borehole and a silica sand filter pack (size #0) will be installed from the base of the well to a maximum of two feet above the top of the screen. A bentonite chip seal will then be installed and allowed to hydrate sufficiently to mitigate the potential for downhole grout contamination. The newly installed monitoring wells will be completed with keyed-alike locks, a lockable J-plug, and a steel flush mounted road box or steel stick-up casing. Concrete will be placed in the boring around the protective casing and sloped away from the casing.

3.3.2 Well Development

After installation, but not within 24 hours, newly installed monitoring wells will be developed in accordance with Roux and NYSDEC protocols. Development of the monitoring wells will be accomplished with dedicated disposable polyethylene bailers via surge and purge methodology. Field parameters including pH, temperature, turbidity, dissolved oxygen (DO), oxidation-reduction potential (ORP) and specific conductance will be measured periodically (i.e., every well volume or as necessary) during development. Field measurements will continue until they become relatively stable. Stability will be defined as variation between measurements of approximately 10 percent or less with no overall upward or downward trend in the measurements. A minimum of three well volumes will be evacuated from each monitoring well during

[1] Due to limited access to locations within the building and the equipment needed to perform this investigation, one-inch diameter monitoring wells are the only well size option for interior locations.

development activities. Should monitoring wells go dry during well development, Roux will allow sufficient time for the well to recharge then continue to purge until three well volumes are evacuated.

Purged groundwater will be containerized in NYSDOT-approved drums and labelled per monitoring well location pending laboratory analytical results. Based on the RI groundwater analytical results and field observations, it will be determined, in consultation with the Department, if the containerized development water is acceptable for surface discharge through carbon or requires subsequent on-site treatment and/or off-site disposal.

3.3.3 Groundwater Sample Collection

Groundwater sampling will be performed at least one week after well development. Prior to groundwater sample collection, static water levels will be measured and recorded from all on-site monitoring wells to facilitate the preparation of a Site-wide isopotential map. Following water level measurement, field personnel will purge and sample monitoring wells using a submersible pump with dedicated pump tubing following low-flow/minimal drawdown purge and sample collection procedures. In the event of pump failure or the saturated unit does not permit the proper implementation of low-flow sampling, a dedicated polyethylene bailer will be used to purge and sample the well. Prior to sample collection via low-flow methodology, groundwater will be evacuated from each well at a low-flow rate (typically less than 0.1 L/min) while maintaining a generally consistent water level. Field measurements for pH, temperature, turbidity, DO, ORP, specific conductance and water level, as well as visual and olfactory field observations will be periodically recorded and monitored for stabilization. Low-flow purging will be considered complete when field parameters stabilize and when turbidity measurements fall below 50 Nephelometric Turbidity Units (NTU) or become stable above 50 NTU regardless of volume purged. Purging via disposable bailer, if necessary, will be considered complete following the removal of three well volumes and field parameter stabilization or to dryness, whichever occurs first. In general, stability is defined as variation between field measurements of 10 percent or less and no overall upward or downward trend in the measurements. Upon stabilization of field parameters, groundwater samples will be collected and analyzed as discussed below.

Groundwater sampling methods will conform with protocol acceptable for the collection of the PFAS in accordance with the Department's Guidelines for Sampling and Analysis of PFAS. Sampling personnel will wear nitrile gloves while handling empty sample containers, filling sample containers, sealing sample containers, and placement of samples into sample coolers. It is recommended that clean nitrile gloves be worn while handling sample containers, during the groundwater sampling, and sealing/placement of samples into the laboratory supplied cooler. Sample collection methods that will be implemented during the RI include:

- Submersible Pump with Dedicated Pump Tubing

  Monitoring wells will be purged and sampled using a non-dedicated submersible pump and dedicated pump tubing following low-flow (minimal drawdown) purge and sample collection procedures, as described above. Non-dedicated pumps will require decontamination prior to use at each well location and the collection of an equipment blank.

- Polyethylene Disposable Bailer

  If low flow is not feasible (e.g., due to depth to groundwater), wells of any depth (up to 100 fbgs) may be purged and sampled using a polyethylene disposable bailer via direct grab. In general, a bottom filling dedicated polyethylene bailer is attached to a length of dedicated hollow-braid polypropylene rope and lowered into the well smoothly and slowly so as not to agitate the groundwater or damage the well. Purging continues until a predetermined volume of water has

been removed (typically three well volumes) or to dryness. Measurements for pH, temperature, specific conductance, dissolved oxygen, and turbidity are recorded following removal of each well volume. The well is purged until the readings for indicator parameters stabilize or the well is purged to dryness.

Prior to, and immediately following collection of groundwater samples, field measurements for pH, specific conductance, temperature, dissolved oxygen, turbidity, and water level, as well as visual and olfactory field observations will be recorded. All collected groundwater samples will be placed in pre-cleaned, pre-preserved laboratory provided sample bottles, cooled to 4°C in the field, and transported under chain-of-custody command to a NYSDOH-approved laboratory for analysis.

3.3.4 Groundwater Sample Analyses

As summarized on **Table 2**, each groundwater sample from monitoring wells MW-1 through MW-6 will be sampled for TCL plus CP-51 VOCs, TCL SVOCs, TAL metals, and TAL dissolved metals. A subset of these groundwater samples will also be analyzed for PCBs, pesticides, herbicides, 1,4-dioxane, and PFAS. Groundwater samples will be collected and analyzed in accordance with USEPA SW 846 methodology with equivalent NYSDEC Category B deliverables to allow for independent third-party data usability assessment. Samples collected for 1,4-dioxane will be analyzed via EPA Method 8270 Selective Ion Monitoring (SIM) mode and samples collected for PFAS analysis will be analyzed via EPA Method 1633 to achieve reporting limits of 2 nanograms per liter (ng/l).

3.4 Soil Vapor Investigation

Soil vapor will be investigated to evaluate the potential for Soil Vapor Intrusion (SVI) risks for future on-site buildings and occupancy, as follows:.

3.4.1 Exterior (Section 3) Soil Vapor Sampling

The soil borehole will be advanced in the location shown on **Figure 5** to a depth up to approximately 5 fbgs (depending on depth to groundwater observed during the soil boring) and the soil vapor sampling probe will be installed in general conformance with the NYSDOH Soil Vapor Intrusion Guidance.

Specifically, the soil vapor sampling probe will be installed using specialized stainless steel soil probes. Sampling equipment includes stainless steel sampling screens, ¼-inch inside diameter inert sample tubing and dedicated Summa canisters. The steel rod will be equipped with an anchor point at the driving end of the rod. The anchor point will be connected to the sampling screen and tubing on the inside of the steel rod. Once the steel rod is advanced to the target depth, the steel rod will be retracted, leaving the anchor point, sampling screen and sampling tubing within the borehole annulus. Glass beads (or equivalent) will be poured around the sampling screen in a manner to cover the entire length of the sampling screen. Bentonite or bentonite/soil mixture will be placed above the glass beads to the ground surface to create a seal to prohibit infiltration of ambient air into the sampling area.

Once the sample probe is installed, the probe and tubing will be purged (three volumes) using a syringe and helium tracer gas will be used during the purging phase (in the same manner as recommended for soil vapor intrusion probes) to ensure that the probes are well sealed.

One ambient outdoor air sample will also be collected concurrent with the soil vapor sample from a down-wind direction.

Samples will be collected over an approximate 4-hour period.

All soil vapor samples will be collected and analyzed for VOCs by EPA Method TO-15.

Each canister will be fitted with a sampling valve that uses a critical orifice and mass flow controller to regulate the air flow into the canister for the selected sampling period. The mass flow controller will maintain a relative constant air flow rate throughout the sampling period. Summa canister valves will remain closed until the sample holes are complete and all the canisters are in their respective positions. The valves will then be opened for the designated collection period.

In addition to above, a SVI assessment will be completed within the existing building, as discussed below.

3.4.2 Interior (Sections 1 and 2) Soil Vapor Sampling

The sub-slab vapor assessment will be completed within the existing building in the locations shown on **Figure 5** to evaluate the potential vapor intrusion into building Sections 1 and 2. As part of the work, four sub-slab vapor (SSV-1 through SSV-4) samples, four co-located/concurrent indoor air (IA-1 through IA-4) samples will be collected.

Prior to the initiation of SSV sampling, a pre-sampling inspection will be performed prior to each sampling event to identify and minimize conditions that may interfere with the proposed testing. The inspection will evaluate the type of structure, floor layout, airflows and physical conditions of the building. This information, along with information on sources of potential indoor air contamination, will be identified on a building inventory form.

At the SSV sampling location, Roux personnel will drill a hole through the concrete slab using a hand-held hammer drill. Temporary sub-slab vapor probes and tubing will be utilized for the sample collection. Holes in the concrete slab will be filled and sealed after completion of the sampling event. The sub-slab vapor sample will be collected in the following general manner:

- After installation of the probes, complete a tracer gas test to verify the integrity of the soil vapor probe seal;
- Upon completion of a successful tracer gas test, three volumes (i.e., the volume of the sample probe and tube) will be purged prior to collecting the samples to ensure samples collected are representative;
- The sub-slab vapor probes will be sealed to the surface with permagum grout, melted beeswax, putty, or other non-VOC containing and non-shrinking products for temporary installation;
- Flow rates for both purging and collecting will not exceed 0.2 liters per minute to minimize outdoor air infiltration during sampling;
- Sub-slab vapor sample canisters will be equipped with an 8-hour regulator to allow the sample to be collected over an approximate 8-hour period; and,
- Samples will be collected in an appropriate container which meets the requirements of the sampling and analytical methods (e.g., low flow rate; Summa® canisters if analyzed by EPA Method TO-15) and is certified clean by the laboratory.

The indoor air sample will be collected adjacent to the sub-slab vapor location based upon accessibility within the building. Concurrent with the sub-slab vapor and indoor air samples, an outdoor air sample will be collected from a ground level exterior location upwind of the facility, as determined on the day of subslab

vapor sampling field activities. Indoor and outdoor air sample canisters will also be equipped with 8- hour regulators to allow the samples to be collected over the same approximate 8-hour period as the subslab vapor sample.

Each canister, with an initial vacuum of approximately 30 pounds per square inch (psi), will be fitted with a sampling valve that uses a critical orifice and mass flow controller to regulate the air flow into the canister for the selected sampling period. The mass flow controller will maintain a relative constant air flow rate throughout the sampling period. Summa canister valves will remain closed until the sample holes are complete and all of the canisters are in their respective positions. The valves will then be opened for the designated collection period.

3.4.3 Soil Vapor Sample Analysis

Samples will be collected in laboratory supplied Summa® canisters, and once filled will be transported under chain-of-custody command to a NYSDOH-approved laboratory for analysis of USEPA TCL VOCs in accordance with USEPA Method TO-15. Samples will be analyzed in accordance with the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006, and subsequent revisions). Typically, a minimum reporting limit of one microgram per cubic meter (1 µg/m3) or less is sufficient for most analytes. Field documentation of soil vapor investigation sampling activities will be recorded. The soil vapor samples will be analyzed in accordance with USEPA SW 846 methodology with equivalent Category B deliverables to allow for independent third-party data usability assessment.

3.5 Field Specific Quality Assurance/Quality Control Sampling

In addition to the soil/fill and groundwater samples described above, field-specific quality assurance/quality control (QA/QC) samples will be collected and analyzed to ensure the reliability of the generated data as described in the QAPP (see Section 4) and to support the required third-party data usability assessment effort. Site-specific QA/QC samples will include matrix spikes, matrix spike duplicates (MS/MSDs), blind duplicates, and trip blanks (see **Table 2**).

3.6 Decontamination and Investigation-Derived Waste Management

Every attempt will be made to use dedicated sampling equipment during the RI; however, if non-dedicated equipment is required and/or used, the equipment will be decontaminated, at a minimum, with a non-phosphate detergent (i.e., Alconox®) and potable water mixture, rinsed with distilled water, and air-dried before each use in accordance with Roux's field operating procedures (FOPs) presented in **Appendix F**. Decontaminated sampling equipment will be kept in a clean environment prior to sample collection. Heavy equipment, such as an excavator and drilling tools, will be decontaminated by the subcontractor as indicated above, as necessary.

RI generated spoils (soil-fill) not exhibiting gross contamination (i.e., visible product, odor, sheen, etc.) will be returned to the location and approximate depth from which it was removed (soil/fill). RI generated monitoring well drilling spoils, groundwater, and decontamination rinse water will be containerized. RI and/or subsequent waste characterization analytical results of investigation-derived waste (IDW) material will be used to determine if spoils/water can be returned to the ground surface, utilized on-site, or require treatment and/or off-site disposal.

IDW materials exhibiting gross contamination will be placed in sealed NYS Department of Transportation (NYSDOT)-approved drums for subsequent characterization and disposal based on the RI results.

All generated IDW drums will be labelled alpha-numerically and include contents, origin, and date of generation using a paint stick marker on two sides and the top of each drum. Drums will be securely staged on-site pending analyses and remedial measures assessment. Field personnel will coordinate the on-site handling and temporary storage of IDW drums, including transportation, characterization sampling, and offsite disposal arrangements, as necessary.

Discarded personal protective equipment (PPE) (i.e., latex gloves, Tyvek, paper towels, etc.) and disposable sampling equipment (i.e., bailers or stainless-steel spoons) will be placed in sealed plastic garbage bags and disposed of as municipal solid waste.

3.7 Site Mapping and Survey

A Site map showing sample points and relevant Site features will be developed during the field investigation. Roux will employ a handheld GPS unit to identify the locations of all soil borings, newly installed wells, and test pits relative to State planar grid coordinates. Monitoring well and subsurface soil investigation location elevations will be measured by Roux's surveyor. An isopotential map showing the general direction of groundwater flow will be prepared based on water level measurements relative to United States Geological Survey (USGS) vertical datum.

3.8 Field Documentation and Reporting

RI field activities will be documented in a Field Activity Daily Log (FADLs) to provide a record of activities conducted at the Site. Entries will be signed and dated at the end of each day of fieldwork (or as produced) by the Field Team Leader. Field notes will include, at a minimum, the: date and time of all entries, names of personnel on-site, weather conditions (temperature, precipitation, etc.), location of activity, and description of activity. Sampling activities will be logged and photographed as necessary to document the activities at the Site. Progress photographs from a set location will be collected to document development activities and intrusive construction activities. Field personnel will, at a minimum, complete the following standard field forms (see **Appendix C**):

- Chain of Custody Form (per selected laboratory)
- Equipment Calibration Log
- FADLs
- Field Borehole/Monitoring Well Log
- Groundwater Field Form
- Investigative-Derived Waste Container Log (if necessary)
- Photographic Log
- Real-Time Air Monitoring Log
- Tailgate Safety Meeting Form
- Test Pit Excavation Log
- Problem Identification Report (as necessary)

- Corrective Measures Report

Real-time community air monitoring will be performed during the RI activities at the Site. A CAMP is included within Roux's HASP (see HASP **Appendix D**). Any exceedance of CAMP data will be provided to the NYSDEC and NYSDOH within 24 hours. Otherwise, CAMP data will be provided to NYSDEC and NYSDOH on a weekly basis. Any issues related to CAMP monitoring will be discussed during weekly progress meetings.

4. Quality Assurance Project Plan

A Quality Assurance Project Plan (QAPP) has been prepared in support of the RI activities. The QAPP dictates implementation of the investigation tasks delineated in this Work Plan. A Sampling and Analysis Plan (SAP) identifying methods for sample collection, decontamination, handling, and shipping, is provided below.

The QAPP will assure the accuracy and precision of data collection during the Site characterization and data interpretation periods. The QAPP identifies procedures for sample collection to mitigate the potential for cross-contamination, as well as analytical requirements necessary to allow for independent data validation. The QAPP has been prepared in accordance with USEPA's Requirements for Quality Assurance Project Plans for Environmental Data Operations (**Ref. 5**); the EPA Region II CERCLA Quality Assurance Manual (**Ref. 2**), and NYSDEC's DER-10 Technical Guidance for Site Investigation and Remediation (May 2010).

4.1 Scope of the QAPP

This QAPP was prepared to provide quality assurance (QA) guidelines to be implemented during the RI activities. This document may be modified for subsequent phases of investigative work, as necessary. The QAPP provides:

- A means to communicate to the persons executing the various activities exactly what is to be done, by whom, and when.
- A culmination to the planning process that ensures that the program includes provisions for obtaining quality data (e.g., suitable methods of field operations).
- A historical record that documents the investigation in terms of the methods used, calibration standards and frequencies planned, and auditing planned.
- A document that can be used by the Project Manager's and QA Officer to assess if the activities planned are being implemented and their importance for accomplishing the goal of quality data.
- A plan to document and track project data and results.
- Detailed descriptions of the data documentation materials and procedures, project files, and tabular and graphical reports.

The QAPP is primarily concerned with the quality assurance and quality control aspects of the procedures involved in the collection, preservation, packaging, and transportation of samples; field testing; record keeping; data management; chain-of-custody procedures; laboratory analyses; and other necessary matters to assure that the investigation activities, once completed, will yield data whose integrity can be defended.

QA refers to the conduct of all planned and systematic actions necessary to perform satisfactorily all task-specific activities and to provide information and data confidence as a result of such activities. The QA for task-specific activities includes the development of procedures, auditing, monitoring, and surveillance of the performance.

QC refers to the activity performed to determine if the work activities conform to the requirements. This includes activities such as inspections of the work activities in the field (e.g., verification that the items and

materials installed conform to applicable codes and design specifications). QA is an overview monitoring of the performance of QC activities through audits rather than first time inspections.

4.2 QAPP Organization and Responsibility

The principal organizations involved in verifying achievement of data collection goals for the Site include: the NYSDEC, NYSDOH, and PG Larkinville, LLC (Volunteers), Roux (Volunteer's Consultant), the drilling subcontractor(s), the independent environmental laboratory, and the independent third-party data validator. The roles, responsibilities, and required qualifications of these organizations are discussed in the following subsections. Résumés are included in **Appendix A**.

4.2.1 Volunteers

PG Larkinville, LLC ("Volunteer") will be responsible for complying with the QA requirements as specified herein and for monitoring and controlling the quality of the Brownfield cleanup construction either directly or through their designated environmental consultant and/or legal counsel. The Applicant will also have the authority to select Remedial Action Contractor(s) to assist them in fulfilling these responsibilities. The designated Project Manager is responsible for implementing the project and has the authority to commit the resources necessary to meet project objectives and requirements.

4.2.2 Applicant

Roux is the Environmental Engineer and Scientific Technical Consultant on this project and is responsible for the implementation of the RI Work Plan, including, but not limited to, field operations, laboratory testing, data management, data analysis and reporting. Any one member of Roux's staff may fill more than one of the identified project positions (e.g., field team leader and site safety and health officer). The various quality assurances, field, laboratory, and management responsibilities of key project personnel are defined below.

- *Project Officer (PO):* *Michael Lesakowski*

  The PO has the responsibility for ensuring conformance with the BCP program requirements. The PO will report directly to the Applicants and the NYSDEC/NYSDOH Project Managers and is responsible for project oversight. The PO will:

  - Define project objectives and develop a detailed work plan schedule.
  - Acquire and apply technical and corporate resources as needed to assure performance within budget and schedule constraints.
  - Review the work performed on the project to assure its quality, responsiveness, and timeliness.
  - Certify deliverables before their submission to NYSDEC.

- *Project Manager (PM):* *Bryan Mayback*

  The PM has the responsibility for ensuring that the project meets the Work Plan objectives. The PM will report directly to the Applicants' Project Coordinator and the NYSDEC/NYSDOH Project Managers and is responsible for technical and project oversight. The PM will:

  - Define project objectives and develop a detailed work plan schedule.
  - Establish project policy and procedures to address the specific needs of the project as a whole, as well as the objectives of each task.

- Develop and meet ongoing project and/or task staffing requirements, including mechanisms to review and evaluate each task product.
- Review the work performed on each task to assure its quality, responsiveness, and timeliness.
- Review and analyze overall task performance with respect to planned requirements and authorizations.
- Review all deliverables before their submission to NYSDEC.
- Develop and meet ongoing project and/or task staffing requirements, including mechanisms to review and evaluate each task product.
- Ultimately be responsible for the preparation and quality of interim and final reports.
- Represent the project team at meetings.

- *FTL/SSHO:* *TBD*

  The Field Team Leader (FTL) has the responsibility for implementation of specific project tasks identified at the Site, is responsible for the supervision of project field personnel, subconsultants, and subcontractors. The FTL reports directly to the Project Manager. The FTL will:

  - Define daily work activities.
  - Orient field staff concerning the project's special considerations.
  - Monitor and direct subcontractor personnel.
  - Review the work performed on each task to ensure its quality, responsiveness, and timeliness.
  - Assure that field activities, including sample collection and handling, are carried out in accordance with this QAPP.

For this project the FTL will also serve as the Site Safety and Health Officer (SSHO). As such, they are responsible for implementing the procedures and required components of the Site Health and Safety Plan (HASP), determining levels of protection needed during field tasks, controlling site entry/exit, briefing the field team and subcontractors on site-specific health and safety issues, and all other responsibilities as identified in the HASP.

4.3 Quality Assurance (QA) Responsibilities

The QA Officer will have direct access to corporate executive staff as necessary, to resolve any QA dispute, and is responsible for auditing the implementation of the QA program in conformance with the demands of specific investigations and Roux's policies, and NYSDEC requirements. The QA Officer has sufficient authority to stop work on the investigation as deemed necessary in the event of serious QA issues.

- *Project QA Officer:* *Tom Forbes, P.E.*

  Specific function and duties include:
  - Performing QA audits on various phases of the field operations.
  - Reviewing and approving QA plans and procedures.
  - Providing QA technical assistance to project staff.

- Reporting on the adequacy, status, and effectiveness of the QA program on a regular basis to the Project Manager for technical operations.

- Responsible for assuring third party data review of all sample results from the analytical laboratory.

4.4 Field Responsibilities

Roux field staff for this project is drawn from a pool of qualified personnel. The Project Manager will use staff to gather and analyze data, and to prepare various task reports and support materials. All of the designated technical team members will be experienced professionals who possess the degree of specialization and technical competence required to effectively and efficiently perform the required work.

4.5 Quality Assurance Objectives for Measurement Data

The overall objectives and criteria for assuring quality for this effort are discussed below. This QAPP addresses how the acquisition and handling of samples and the review and reporting of data will be documented. The objectives of this QAPP are to address the following:

- The procedures to be used to collect, preserve, package, and transport groundwater samples.
- Field data collection.
- Record keeping.
- Data management.
- Chain-of-custody procedures.
- Precision, accuracy, completeness, representativeness, decision rules, comparability, and level of quality control effort conformance for sample analysis and data management by laboratory under EPA analytical methods.

4.6 Level of QC Effort for Sample Parameters

Field blank, method blank, trip blank, field duplicate, laboratory duplicate, laboratory control, standard reference materials (SRM) and matrix spike samples will be analyzed to assess the quality of the data resulting from the field sampling and analytical programs. QC samples are discussed below.

- Field and trip blanks consisting of distilled water will be submitted to the analytical laboratories to provide the means to assess the quality of the data resulting from the field-sampling program. Field (equipment) blank samples are analyzed to check for procedural chemical constituents at the facility that may cause sample contamination. Trip blanks are used to assess the potential for contamination of samples due to contaminant migration during sample shipment and storage.
- Method blank samples are generated within the laboratory and used to assess contamination resulting from laboratory procedures.
- Duplicate samples are analyzed to check for sampling and analytical reproducibility.
- MS/MSD and MS/Duplicate samples provide information about the effect of the sample matrix on the digestion and measurement methodology. Depending on site-specific

circumstances, one MS/MSD or MS/Duplicate should be collected for every 20 or fewer investigative samples to be analyzed for organic and inorganic chemicals of a given matrix (see **Table 2**).

The general level of QC effort will be one field (blind) duplicate and one field blank (when non-dedicated equipment is used) for every 20 or fewer investigative samples of a given matrix. Additional sample volume will also be provided to the laboratory to allow one site-specific MS/MSD or MS/Duplicate for every 20 or fewer investigative samples of a given matrix. One trip blank consisting of distilled, deionized water will be included along with each sample delivery group of aqueous VOC samples. Emerging contaminants sampling will include an equipment blank and a field blank sample to ensure the reliability of the generated data.

4.7 Sampling and Analysis Plan

Methods and protocol to be used to collect environmental samples (i.e., soil and groundwater) for this investigation are described in the Roux Field Operating Procedures (FOPs) presented electronically in **Appendix F**.

The number and types of environmental samples to be collected is summarized on **Table 2**. Sample parameter lists, holding times and sample container requirements are summarized on **Table 3**. The sampling program and related site activities are discussed below. To the extent allowed by existing physical conditions at the facility, sample collection efforts will adhere to the specific methods presented herein. If alternative sampling locations or procedures are implemented in response to facility specific constraints, each will be selected on the basis of meeting data objectives. Such alternatives will be approved by NYSDEC before implementation and subsequently documented for inclusion in the project file.

4.7.1 Custody Procedures

Sample custody is controlled and maintained through the chain-of-custody (COC) procedures. Chain of custody is the means by which the possession and handling of samples will be tracked from the source (field) to their final disposition, the laboratory. A sample is considered to be in a person's custody if it is in the person's possession or it is in the person's view after being in his or her possession or it was in that person's possession and that person has locked it in a vehicle or room. Sample containers will be cleaned and preserved at the laboratory before shipment to the Site. The following section and FOPs for Sampling, Labeling, Storage, and Shipment, located in **Appendix F**, describe procedures for maintaining sample custody from the time samples are collected to the time they are received by the analytical laboratory.

4.7.2 Sample Storage

Samples are stored in secure limited-access areas. Walk-in coolers or refrigerators are maintained at 4°C, ± 2°C, or as required by the applicable regulatory program. The temperatures of all refrigerated storage areas are monitored and recorded at a minimum of once per day. Deviations of temperature from the applicable range require corrective action, including moving samples to another storage location if necessary.

4.7.3 Sample Custody

Sample custody is defined by this document as when any of the following occur:

- It is in someone's actual possession.
- It is in someone's view after being in his or her physical possession.
- It was in someone's possession and then locked, sealed, or secured in a manner that prevents unsuspected tampering.
- It is placed in a designated and secure area.

Samples are removed from storage areas by the sample custodian or analysts and transported to secure laboratory areas for analysis. Access to the laboratory and sample storage areas is restricted to laboratory personnel and escorted visitors only; all areas of the laboratory are therefore considered secure. If required by the applicable regulatory program, internal chain-of-custody is documented in a log by the person moving the samples between laboratory and storage areas.

Laboratory documentation used to establish COC and sample identification may include the following:

- Field COC forms or other paperwork that arrives with the sample.
- The laboratory COC.
- Sample labels or tags are attached to each sample container.
- Sample custody seals.
- Sample preparation logs (i.e., extraction and digestion information) recorded in hardbound laboratory books that are filled out in legible handwriting, signed, and dated by the chemist.
- Sample analysis logs (e.g., metals, GC/MS, etc.) information recorded in hardbound laboratory books that are filled out in legible handwriting, signed, and dated by the chemist.
- Sample storage log (same as the laboratory COC).
- Sample disposition log, which documents sample disposal by a contracted waste disposal company.

4.7.4 Sample Tracking

All samples are maintained in the appropriate coolers prior to and after analysis. The analysts remove and return their samples as needed. Samples that require internal COC are relinquished to the analysts by the sample custodians. The analyst and sample custodian must sign the original COC relinquishing custody of the samples from the sample custodian to the analyst. When the samples are returned, the analyst will sign the original COC returning sample custody to the sample custodian. Sample extracts are relinquished to the instrumentation analysts by the preparatory analysts. Each preparation department tracks internal COC through their logbooks/spreadsheets.

Any change in the sample during the time of custody will be noted on the COC (e.g., sample breakage or depletion).

4.7.5 Split Sampling

The Department may split any soil or groundwater samples at the Department's expense, during this RI. Roux personnel will cooperate with the Department to facilitate split sampling, as requested.

4.8 Calibration Procedures and Frequency

This section describes the calibration procedures and the frequency at which these procedures will be performed for both field and laboratory instruments.

4.8.1 Field Instrument Calibration

Quantitative field data to be obtained during groundwater sampling include pH, turbidity, specific conductance, temperature, and depth to groundwater. Quantitative water level measurements will be obtained with an electronic sounder or steel tape, which require no calibration. Quantitative field data to be obtained during soil sampling include screening for the presence of volatile organic constituents using a PID.

FOPs located in **Appendix F** describe the field instruments used to monitor for these parameters and the calibration methods, standards, and frequency requirements for each instrument. Calibration results will be recorded on the appropriate field forms and in the Project Field Book.

4.9 Analytical Procedures

Samples collected during this investigation field sampling activities will be analyzed by a NYSDOH-approved laboratory.

4.9.1 Field Instrument Calibration

Field procedures for collecting and preserving groundwater and soil samples are described in FOPs located in **Appendix F**.

4.10 Data Usability Evaluation

Data usability evaluation procedures shall be performed for both field and laboratory operations as described below.

4.10.1 Procedures Used to Evaluate Field Data Usability

Procedures to validate field data for this project will be facilitated by adherence to the FOPs identified in **Appendix F**. The performance of all field activities, calibration checks on all field instruments at the beginning of each day of use, manual checks of field calculations, checking for transcription errors and review of field log books is the responsibility of the Field Team Leader.

4.10.2 Procedures Used to Evaluate Laboratory Data Usability

Data evaluation will be performed by the third-party data validator using the most current methods and quality control criteria from the USEPA's Contract Laboratory Program (CLP) *National Functional Guidelines for Organic Data Review* (**Ref. 3**), and Contract Laboratory Program, *National Functional Guidelines for Inorganic Data Review* (**Ref. 4**). The data review guidance will be used only to the extent that it is applicable to the SW-846 methods; SW-846 methodologies will be followed primarily and given preference over CLP when differences occur. Also, results of blanks, surrogate spikes, MS/MSDs, and laboratory control samples will be reviewed/evaluated by the data validator. All sample analytical data for each sample matrix shall be evaluated. The third-party data validation expert will also evaluate the overall

completeness of the data package. Completeness checks will be administered on all data to determine whether deliverables specified in this QAPP are present. The reviewer will determine whether all required items are present and request copies of missing deliverables.

5. Investigation Support Documents

5.1 Health and Safety Protocols

Roux has prepared a Site-Specific Health and Safety Plan (HASP) for use by our employees in accordance with 40 CFR 300.150 of the NCP and 29 CFR 1910.120. The HASP, provided in **Appendix D**, includes the following site-specific information:

- A hazard assessment.
- Training requirements.
- Definition of exclusion, contaminant reduction, and other work zones.
- Monitoring procedures for site operations.
- Safety procedures.
- Personal protective clothing and equipment requirements for various field operations.
- Disposal and decontamination procedures.

The HASP also includes a contingency plan that addresses potential site-specific emergencies, and a Community Air Monitoring Plan that describes required particulate and vapor monitoring to protect the neighboring community during intrusive site investigation and remediation activities.

Health and safety activities will be monitored throughout the field investigation. A member of the field team will be designated to serve as the on-site Health and Safety Officer throughout the field program. This person will report directly to the Project Manager and the Corporate Health and Safety Coordinator. The HASP will be subject to revision as necessary, based on new information that is discovered during the field investigation and/or remedial activities.

5.1.1 Community Air Monitoring

Real-time community air monitoring will be performed during the RI activities at the Site in accordance with the NYSDOH Generic Community Air Monitoring Plan provided in Appendix E. Specifically, particulate and VOC monitoring will be performed along the downwind perimeter of the work area during RI boring work, and soil/fill handling activities in accordance with this plan. The CAMP is consistent with the requirements for community air monitoring at remediation sites as established by the NYSDOH and NYSDEC. Accordingly, it follows procedures and practices outlined under NYSDEC's DER-10 (May 2010) Appendix 1A (NYSDOH's Generic Community Air Monitoring Plan) and Appendix 1B (Fugitive Dust and Particulate Monitoring).

5.2 Citizen Participation Activities

NYSDEC will coordinate and lead community relations throughout the course of the project. Roux will support NYSDEC's community relations activities, as necessary. A Citizen Participation Plan will be prepared by Roux and submitted to NYSDEC under separate cover. The Citizen Participation Plan will follow NYSDEC's Citizen Participation Plans template for Brownfield Cleanup Program sites entering the BCP at the point of site investigation per NYSDEC DER-23.

6. Reporting and Schedule

Upon completion of the RI fieldwork, a comprehensive RI/AAR will be completed summarizing the RI completed as described below.

6.1 Remedial Investigation Reporting

The RI section of the RI/AA report will include the following information and documentation, consistent with the NYSDEC's DER-10 Technical Guidance for Site Investigation and Remediation (May 2010).

- Introduction and background;
- A description of the Site and the investigation areas;
- A description of the field procedures and methods used during the RI;
- The collection of geospatial data and presentation of investigation drawings detailing the investigation locations, potential areas of concern, presence of buildings, utility poles, and subgrade utilities;
- A discussion of the nature and rationale for any significant variances from the scope of work described in this RI Work Plan;
- The data obtained during the RI and historical investigations, considered by Roux to be of useable quality, including geochemical data, field measurements, validated analytical results, etc.;
- For all investigation and emerging contaminants (EC) groundwater sample results that exceed TAL and TCL parameters above the GWQS or contaminant thresholds on the EC checklist sheet, a GIS well map will be produced that shows all public and private drinking water wells within ½ mile of the Site;
- Comparative criteria that may be used to calculate cleanup levels during the AA process, such as NYSDEC's USCOs, NYSDEC's GWQS, and other pertinent regulatory standards or criteria;
- A discussion of contaminant fate and transport. This will provide a description of the hydrologic parameters of the Site, and an evaluation of the lateral and vertical movement of groundwater;
- Conclusions regarding the extent and character of environmental impact in the media being investigated;
- The conclusions of the on-site and off-site qualitative human health and environmental exposure assessment completed in accordance with DER-10; and
- Supporting materials for RI data. These will include boring logs, monitoring well construction diagrams, laboratory analytical reports, and similar information.
- Data generated for the Site will be reported to the NYSDEC electronically via EQuIS software where it will be stored in the NYSDEC's Environmental Management System (EIMS).

In addition, Roux will require third-party analytical data review by a qualified, independent data validation expert for the RI and historic investigation data. Specifically, a DUSR will be prepared, with appropriate data qualifiers added to the results. The DUSR will follow NYSDEC format per the NYSDEC's September 1997 DUSR guidelines and May 2010 DER-10 guidance. The DUSR and any necessary qualifications to the data will be appended to the RI report.

Roux will provide submittals to the NYSDEC in accordance with EDD requirements.

6.2 Alternatives Analysis (AA)

An Alternatives Analysis (AA) Report is developed to provide a forum for evaluating and selecting a recommended remedial approach, in accordance with DER-10. Based on the findings of the RI, a list of Remedial Action Objectives (RAOs) will be developed with the requirement for the selected remedial measures to be protective of human health and the environment under the proposed future use scenario. Proposed SCOs for the property will also be presented based on the proposed future use of the Site. SCOs will be based on published standards, criteria, and guidance (SCGs) and other NYSDEC and NYSDOH-accepted values.

Based on the RAOs and SCOs, volumes and areas of media potentially requiring remediation will be calculated. General response actions (GRAs) will then be delineated to address each of the site remedial areas. These GRAs will form the foundation for the development and screening of applicable remedial alternatives against the following criteria as described in 6NYCRR 375-1.8(f) and DER-10-4.2:

- Overall Protectiveness of Public Health and the Environment;
- Conformance with SCGs;
- Long-term Effectiveness & Permanence;
- Reduction in Toxicity, Mobility, or Volume of Contamination through Treatment;
- Short-Term Impacts and Effectiveness;
- Implementability;
- Cost Effectiveness;
- Community Acceptance; and
- Land Use.

In addition, the criteria of community acceptance will be considered based on public comments on the RI/AA Report and proposed remedial action. Following the screening of alternatives, a comparative analysis will be performed against the above criteria. The comparative analysis will allow for better understanding of the relative advantages and disadvantages of each of the alternatives and facilitate identification of a recommended remedial approach.

7. Project Schedule

Figure 6 presents a tentative project schedule for the major tasks to be performed in support of the RI Work Plan and RI/AA Report.

8. References

1. United States Department of Agriculture (USDA), Soil Conservation Service. *Soil Survey of Erie County, New York*. December 1986.
2. U.S. Environmental Protection Agency, Region II. *CERCLA Quality Assurance Manual, Revision I*. October 1989.
3. U.S. Environmental Protection Agency. National Functional Guidelines for Organic Data Review (EPA-540/R-94-012), 1994a.
4. U.S. Environmental Protection Agency. National Functional Guidelines for Inorganic Data Review (EPA-540/R-94-013), 1994b.
5. U.S. Environmental Protection Agency. *Requirements for Quality Assurance Project Plans for Environmental Data Operations (EPA QA/R-5)*. October 1998.
6. New York State Department of Environmental Conservation. *DER-10; Technical Guidance for Site Investigation and Remediation.* May 2010.
7. New York State Department of Health, *Soil Vapor Intrusion Guidance,* February 2024.
8. TurnKey Environmental Restoration, LLC, *Phase I Environmental Site Assessment.* July 2018.
9. TurnKey Environmental Restoration, LLC, *Phase II Environmental Investigation Report.* October 2023.

TABLES

1. Summary of Previous Investigation Soil/Fill Analytical Results
2. RI Sampling and Analytical Program
3. Sample Container, Volume, Preservative & Holding Time Requirements

ROUX

TABLE 1
SUMMARY OF PREVIOUS INVESTIGATION SOIL/FILL SAMPLE ANALYTICAL RESULTS
REMEDIAL INVESTIGATION WORK PLAN
619 EXCHANGE STREET
BUFFALO, NEW YORK

Parameter [1]	Unrestricted UseSCOs[2] (mg/kg)	Restricted-Residential Use SCOs[2] (mg/kg)	Commercial Use SCOs[2] (mg/kg)	Industrial Use SCOs[2] (mg/kg)	Sample Location (Depth)												
					SB-1 (0-1 FT)	SB-2 (0-1 FT)	SB-3 (0-1 FT)	SB-4 (0-1 FT)	SB-5 (0-1 FT)	SB-6 (0-1 FT)	SB-7 (0-1 FT)	SB-8 (0-1 FT)	SB-9 (0-1 FT)	SB-10 (0-1 FT)	HC-1 (0-1 FT)	HC-2 (0.5-2 FT)	HC-3 (0-1 FT)
					5/23/2023							8/22/2023			5/23/2023		
Polycyclic Aromatic Hydrocarbons (PAHs) - mg/kg [3]																	
2-Methylnaphthalene	--	--	--	--	0.095 J	0.096 J	0.14 J	ND	ND	ND	0.06 J	--	--	--	0.38	0.2 J	0.11 J
Acenaphthene	**20**	**100**	**500**	**1000**	ND	ND	0.054 J	ND	ND	ND	0.026 J	ND	ND	ND	0.11 J	0.061 J	0.16
Acenaphthylene	**100**	**100**	**500**	**1000**	ND	ND	0.15 J	ND	ND	ND	0.054 J	ND	ND	ND	0.72	0.046 J	0.037 J
Anthracene	**100**	**100**	**500**	**1000**	ND	ND	0.58	ND	ND	ND	0.12 J	ND	ND	ND	1.8	0.16	0.28
Benzo(a)anthracene	**1**	**1**	**5.6**	**11**	0.064 J	0.037 J	**2.7**	ND	0.048 J	0.024 J	0.22	ND	ND	0.3 J	**5**	0.28	0.54
Benzo(a)pyrene	**1**	**1**	**1**	**1.1**	0.12 J	ND	**2.9**	ND	ND	ND	0.18	ND	ND	0.39 J	**3.9**	0.18	0.46
Benzo(b)fluoranthene	**1**	**1**	**5.6**	**11**	0.12 J	0.044 J	**2.9**	ND	0.051 J	ND	0.2	ND	ND	0.55 J	**4.3**	0.26	0.55
Benzo(g,h,i)perylene	**100**	**100**	**500**	**1000**	0.09 J	0.027 J	1.6	ND	ND	ND	0.09 J	ND	ND	0.33 J	1.6	0.12 J	0.23
Benzo(k)fluoranthene	**0.8**	**3.9**	**56**	**110**	0.043 J	ND	**0.86**	ND	ND	ND	0.07 J	ND	ND	0.2 J	**2.2**	0.082 J	0.15
Chrysene	**1**	**3.9**	**56**	**110**	0.062 J	0.035 J	**2.3**	ND	0.046 J	0.024 J	0.19	ND	ND	0.35 J	**4.4**	0.28	0.52
Dibenzo(a,h)anthracene	**0.33**	**0.33**	**0.56**	**1.1**	ND	ND	**0.48**	ND	ND	ND	ND	ND	ND	ND	**0.62**	0.028 J	0.057 J
Fluoranthene	**100**	**100**	**500**	**1000**	0.058 J	0.037 J	2.1	ND	0.11 J	0.036 J	ND	ND	ND	0.64 J	8.6	0.54	1.3
Fluorene	**30**	**100**	**500**	**1000**	ND	ND	0.082 J	ND	ND	ND	0.074 J	ND	ND	ND	0.44	0.095 J	0.16 J
Indeno(1,2,3-cd)pyrene	**0.5**	**0.5**	**5.6**	**11**	0.077 J	0.03 J	**2.1**	ND	ND	ND	0.11 J	ND	ND	0.25 J	**1.7**	0.13 J	0.29
Naphthalene	**12**	**100**	**500**	**1000**	0.12 J	0.086 J	0.19 J	ND	ND	0.052 J	0.073 J	0.029 J	ND	ND	0.55	0.24	0.1 J
Phenanthrene	**100**	**100**	**500**	**1000**	0.056 J	0.052 J	1.3	ND	0.094 J	0.034 J	0.51	0.051 J	ND	0.41 J	7.8	0.64	1.2
Pyrene	**100**	**100**	**500**	**1000**	0.06 J	0.043 J	2.3	ND	0.082 J	0.034 J	0.4	ND	ND	0.49 J	7.2	0.42	1.1
RCRA Metals - mg/kg																	
Arsenic	**13**	**16**	**16**	**16**	**22.5**	**64.4**	6.3	8.53	11.5	5.61	**18**	**13.3**	**15.3**	11.6	**16.8**	**14.8**	**22.1**
Barium	**350**	**400**	**400**	**10000**	72.9	91.7	87	161	99.7	28.1	86.3	265	255	**1850**	127	68.5	64.6
Cadmium	**2.5**	**4.3**	**9.3**	**60**	0.414 J	0.331 J	0.124 J	0.214 J	0.218 J	0.233 J	0.322 J	0.13 J	0.18 J	0.38	0.341 J	0.324 J	0.636
Chromium	**30**	**180**	**1,500**	**6,800**	11.3	7.77	10.5	16	10.2	6.38	20.1	9.7	8.3	12.4	10.5	10.6	7.57
Lead	**63**	**400**	**1,000**	**3,900**	21.4	**67.6**	16.8	45.3	56.1	24.3	**237**	24.3	20.5	**69**	**525**	**286**	**98.3**
Mercury	**0.18**	**0.81**	**2.8**	**5.7**	ND	0.088 J	ND	ND	ND	0.088	**0.453**	0.059	0.029	0.073	**12.2**	**2.53**	**0.214**
Selenium	**3.9**	**180**	**1,500**	**6,800**	ND	1.44	0.277 J	0.394 J	0.399 J	0.386 J	**4.02**	ND	ND	ND	1.76	**4.03**	1.21
Silver	**2**	**180**	**1,500**	**6,800**	ND	ND	ND	ND	0.192 J	0.173 J	ND	ND	ND	ND	0.688	0.298	ND

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Values per 6NYCRR Part 375 Unrestricted Soil Cleanup Objectives (SCOs).
3. Sample results were reported by the laboratory in micrograms per kilogram (ug/kg) and converted to milligram per kilogram (mg/kg) for comparison to SCOs.

Definitions:

ND = Parameter not detected above laboratory detection limit.
-- = Sample not analyzed for parameter and/or no SCO available.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.

Bold	= Result exceeds Unrestricted Use SCOs
Bold	= Result exceeds Restricted-Residential Use SCOs
Bold	= Result exceeds Commercial Use SCOs
Bold	= Result exceeds Industrial Use SCOs

TABLE 2
SUMMARY OF SAMPLING AND ANALYTICAL PROGRAM
REMEDIAL INVESTIGATION WORK PLAN
619 EXCHANGE STREET
BUFFALO, NEW YORK

Location	Number of Proposed Locations	Matrix	Parameter[1]									
			TCL plus CP-51 VOCs[2]	TCL SVOCs[2]	TAL Metals (total)	TAL Metals (dissolved)	PCBs	Herbicides	Pesticides	1,4-Dioxane	PFAS	Waste Characterization Parameters[7]
Subsurface Soil												
MW-1 (fill)	1	Soil	1	1	1	--	1	1	1	1	1	WC Sample locations TBD - see note 7
MW-1 (native)		Soil	1	1	1	--	1	1	1	1	1	
MW-2 (fill)	1	Soil	1	1	1	--	1	1	1	1	1	
MW-2 (native)		Soil	1	1	1	--	1	1	1	1	1	
MW-3 (fill)	1	Soil	--	1	1	--	--	--	--	--	--	
MW-4 (fill)	1	Soil	1	1	1	--	1	1	1	1	1	
MW-4 (native)		Soil	1	1	1	--	1	1	1	1	1	
MW-5 (fill)	1	Soil	--	1	1	--	--	--	--	--	--	
MW-6 (fill)	1	Soil	1	1	1	--	1	1	1	1	1	
MW-6 (native)		Soil	1	1	1	--	1	1	1	1	1	
SB-11 (fill)	1	Soil	1	1	1	--	1	1	1	1	1	
HC-4 (fill)	1	Soil	1	1	1	--	1	1	1	1	1	
HC-5 (fill)	1	Soil	--	1	1	--	--	--	--	--	--	
HC-6 (fill)	1	Soil	--	1	1	--	--	--	--	--	--	
HC-7 (fill)	1	Soil	--	1	1	--	--	--	--	--	--	
HC-8 (fill)	1	Soil	--	1	1	--	--	--	--	--	--	
HC-9 (fill)	1	Soil	1	1	1	--	1	1	1	1	1	
HC-10 (fill)	1	Soil	--	1	1	--	--	--	--	--	--	
HC-11 (fill)	1	Soil	1	1	1	--	1	1	1	1	1	
Blind Duplicate[3]	1	Soil	1	2	2	--	1	1	1	1	1	
MS/MSD[3]	1	Soil	2	2	2	--	2	2	2	2	2	
Soil Subtotal			**15**	**23**	**23**	**0**	**15**	**15**	**15**	**15**	**15**	**3**
Soil Vapor (Method TO-15)												
Soil Vapor	1	Soil Vapor	1	--	--	--	--	--	--	--	--	--
Sub slab Vapor (SSV-1 through SSV-4)	4	Soil Vapor	4	--	--	--	--	--	--	--	--	--
Indoor Air (IA-1 through IA-4)	4	Indoor Air	4	--	--	--	--	--	--	--	--	--
Outdoor Air (OA-1)	1	Ambient Air	1	--	--	--	--	--	--	--	--	--
Soil Vapor Subtotal			**10**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
Groundwater												
Monitoring Well	6	Groundwater	6	6	6	6	3	3	3	3	3	--
Blind Duplicate[3]	1	Groundwater	1	1	1	1	1	1	1	1	1	--
MS/MSD[3]	2	Groundwater	2	2	2	2	2	2	2	2	2	--
Trip Blank[4]	1	Water	1	--	--	--	--	--	--	--	--	--
Equipment Blank[5]	1	Water	--	--	--	--	--	--	--	--	1	--
Field Blank[6]	1	Water	--	--	--	--	--	--	--	--	1	--
Groundwater Subtotal			**10**	**9**	**9**	**9**	**6**	**6**	**6**	**6**	**8**	**0**
Waste Characterization[7]												
Subsurface Soil	3	Soil	--	--	--	--	--	--	--	--	--	**3**
Sampling Totals			**35**	**32**	**32**	**9**	**21**	**21**	**21**	**21**	**23**	**3**

Notes:

1. Analyses will be performed via USEPA SW-846 methodology with equivalent Category B deliverables package.
2. Tentatively identified compounds (TICs) and 1,4 Dioxane (soil via USEPA Method 8270 and groundwater via USEPA Method 8270 SIM) will also be reported.
3. Blind duplicate and MS/MSD samples will be collected at a frequency of 1 per 20 samples/media collected.
4. Trip blanks will be submitted to the laboratory each day aqueous volatile organic samples are collected.
5. One equipment blank will be submitted to the laboratory for the six monitoring wells to be sampled.
6. Field blanks will be submitted to the laboratory each day groundwater samples are collected.
7. Waste characterizaton sample locations TBD based on field observations. One waste characterization sample likely to be collected from each of the three building/Site sections and be representative of fill materials with parameters to include the following analysis requirements: TCLP VOCs, TCLP SVOCs, TCLP Metals, PCBs, ignitability, corrosivity.

Acronyms:

VOCs = volatile organic compounds
SVOCs = semi-volatile organic compounds
TCL = Target Compound List
TAL = Target Analyte List
PCBs = Polychlorinated Biphenyls
PFAS = Per- and polyfluoroalkyl substances

TABLE 3
SAMPLE CONTAINER, VOLUME, PRESERVATIVE &
HOLDING TIME REQUIREMENTS

REMEDIAL INVESTIGATION WORK PLAN
619 EXCHANGE STREET
BUFFALO, NEW YORK

Matrix	Parameter [1]	Method [1]	Container Type	Minimum Volume	Preservation (Cool to 2-4 °C for all samples)	Holding Time from Sample Date
Soil	TCL + CP-51 VOCs	8260B	EnCore/WMG	5 gm / 4 oz.	Cool to 2-4 °C, Zero Headspace	48 - hours / 14 days
	TCL SVOCs	8270C	WMG	16 oz.	Cool to 2-4 °C	14 days extrac./40 days
	TAL Metals [2]	6010	WMG	4 oz.	Cool to 2-4 °C	6 months/Hg 28 days
	Pesticides	8081	WMG	8oz	Cool to 2-4 °C	14 days extrac./40 days
	Herbicides	8151	WMG	8oz	Cool to 2-4 °C	14 days extrac./40 days
	PCBs	8082	WMG	4 oz.	Cool to 2-4 °C	14 days extrac./40 days
	PFAS	modified 537	HDPE/Polypropylene	4-8 oz.	Cool to 2-4 °C	14 days extrac./40 days
Groundwater	TCL + CP-51 VOCs	8260B	glass vial	3 - 4 oz.	HCl to pH<2, Zero Headspace, Cool to 2-4 °C	14 days
	PFAS	1633	HDPE/Polypropylene	2 - 500 mL	Cool to 2-4 °C	14 days
	1,4-Dioxane	8270 SIM	8270 SIM	2 - 500 mL	Cool to 2-4 °C	7 days extrac/40 days
	TCL SVOCs	8270C	amber glass	1000 ml	Cool to 2-4 °C	7 days extrac/40 days
	TAL Metals [2]	6010	plastic	600 ml	HNO_3 to pH<2, Cool to 2-4 °C	6 months/Hg 28 days
	Pesticides	8081B	amber glass	1000 ml	Cool to 2-4 °C	14 days extrac./40 days
	Herbicides	8151A	amber glass	1000 ml	Cool to 2-4 °C	14 days extrac./40 days
	PCBs	8082	amber glass	1000 ml	Cool to 2-4 °C	7 days extrac/40 days

References:

1. Test Methods for Evaluating Solid Wastes, USEPA SW-846, Update III, 1991.

Notes:

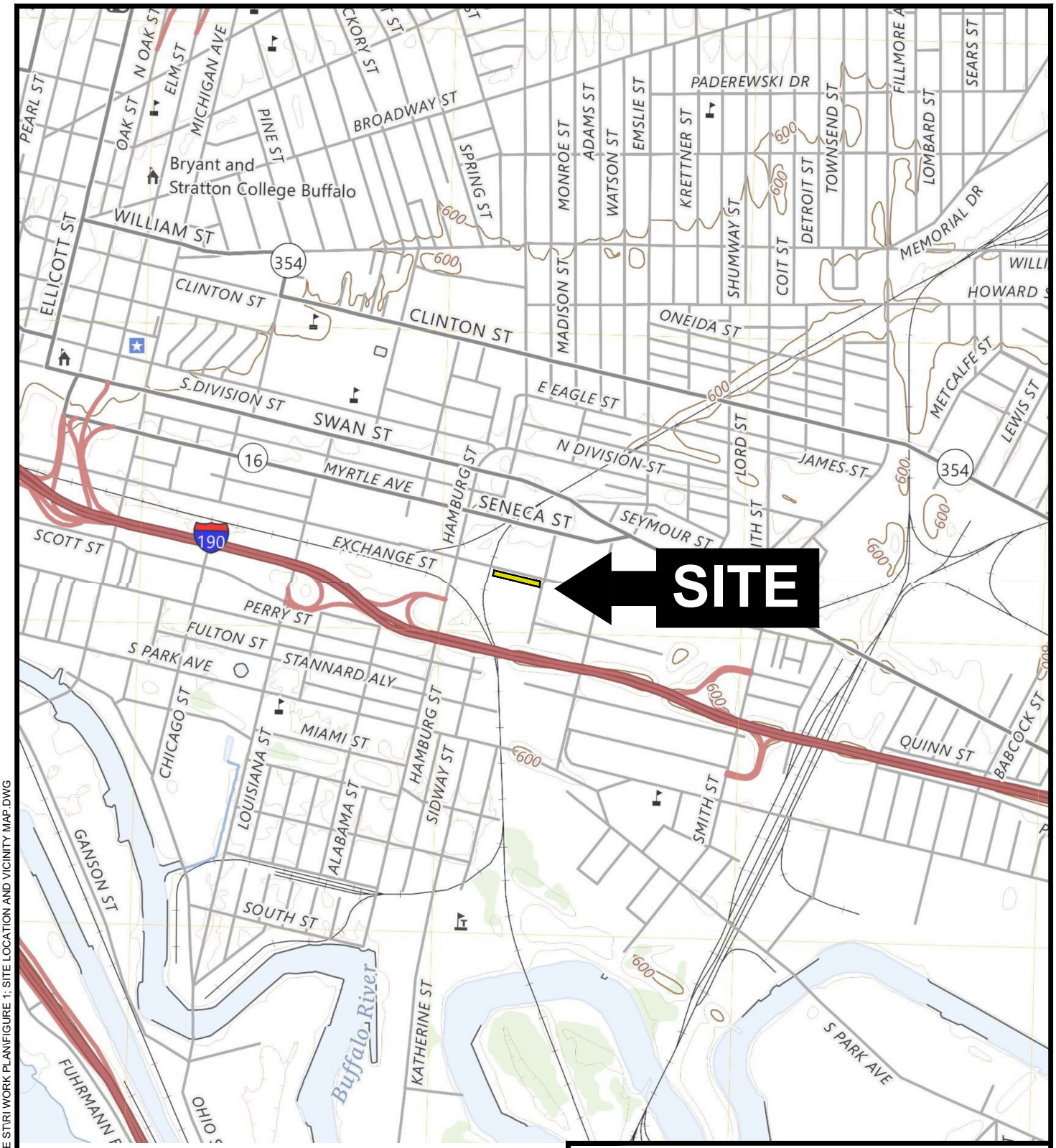
1. EPA-approved methods published in Reference 1 above may be used. The list of analytes, laboratory method and the method detection limit for each parameter are included in Tables 1 and 2 of the QAPP.
2. Mercury sampling in soil/groundwater via EPA methods 7471/7470 respectively.

Acronyms:

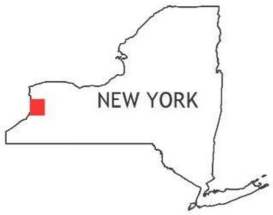
VOCs = Volatile Organic Compounds
SVOCs = Semi-Volatile Organic Compounds
TCL = Target Compound List
TAL = Target Analyte List
WMG = Wide Mouth Glass
PFAS = Per- and Polyfluoroalkyl Substances

FIGURES

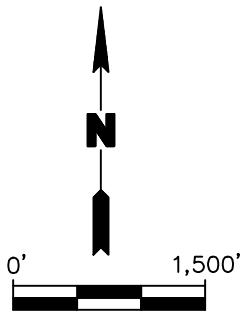
1. Site Location and Vicinity Map
2. Site Plan (Aerial)
3. Site Soils Map
4. Historic Investigation Locations and Areas of Concern
5. Planned Remedial Investigation Locations
6. Preliminary Project Schedule



QUADRANGLE LOCATION



SOURCE:
USGS, 2023, BUFFALO, NY
7.5 MINUTE TOPOGRAPHIC QUADRANGLE



Title:
SITE LOCATION AND VICINITY MAP

REMEDIAL INVESTIGATION WORK PLAN

619 EXCHANGE STREET SITE
BUFFALO, NEW YORK

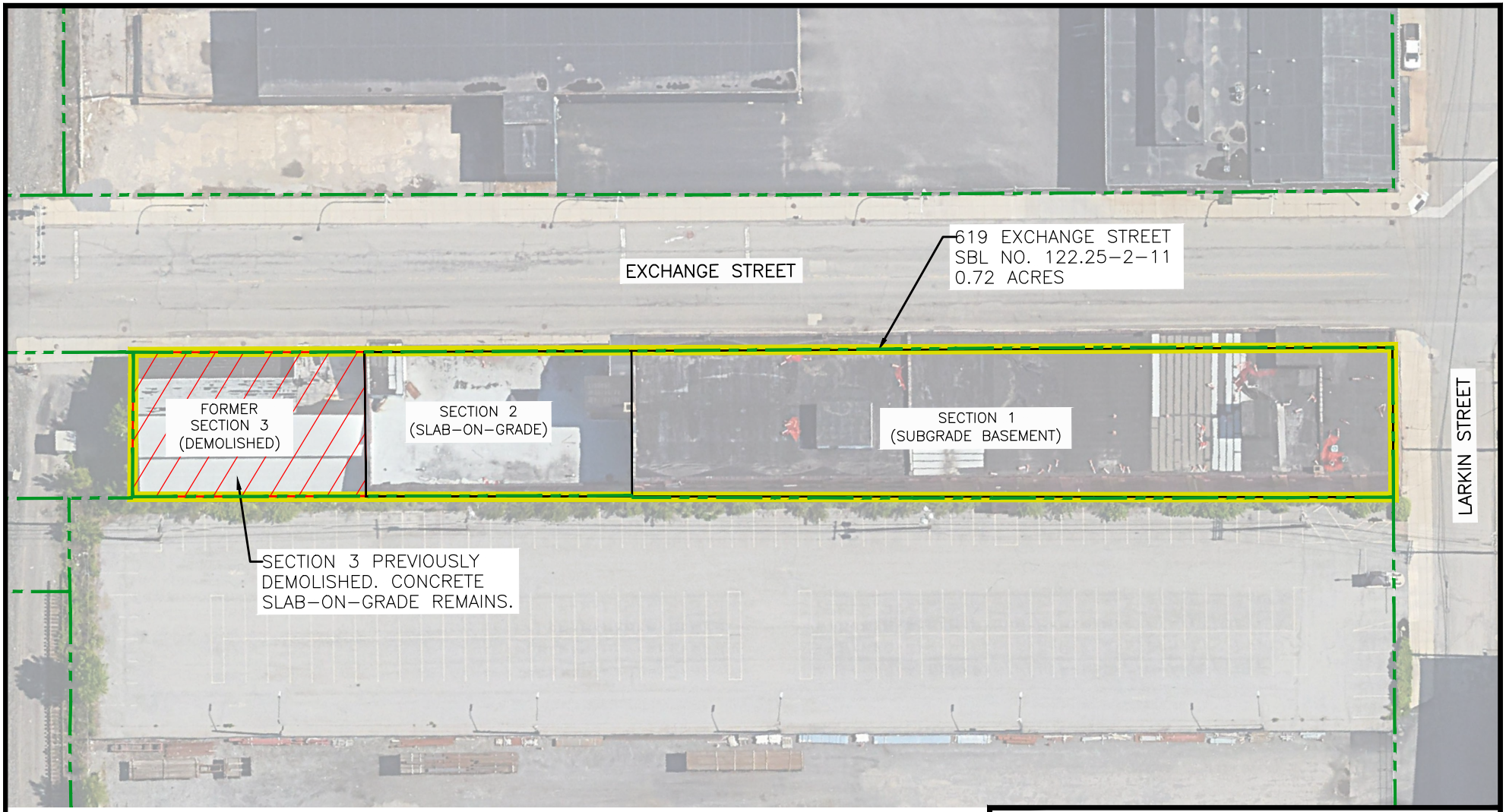
Prepared for:

PG LARKINVILLE, LLC

ROUX	Compiled by: CNK	Date: DECEMBER 2024	FIGURE 1
	Prepared by: CNK	Scale: AS SHOWN	
	Project Mgr: BWM	Project: B0718-023-001	
	File: FIGURE 1; SITE LOCATION AND VICINITY MAP.DWG		

F:\CAD\0-ROUX\PARK GROVE REALTY\619 EXCHANGE STR\ WORK PLAN\FIGURE 1; SITE LOCATION AND VICINITY MAP.DWG

F:\CAD\0-ROUX\PARK GROVE REALTY\619 EXCHANGE ST\RI WORK PLAN\FIGURE 2; SITE PLAN.DWG



LEGEND

- BCP SITE BOUNDARY
- PARCEL BOUNDARY
- BUILDING OUTLINE
- DEMOLISHED BUILDING SECTION

NOTE:
1. IMAGE SOURCE GOOGLE EARTH 2022.
2. NO PUBLIC SOURCE AERIALS CURRENTLY SHOW BUILDING DEMOLITION.

N

60' 0 60'

Title:

SITE PLAN (AERIAL)

REMEDIAL INVESTIGATION WORK PLAN

619 EXCHANGE STREET SITE
BUFFALO, NEW YORK

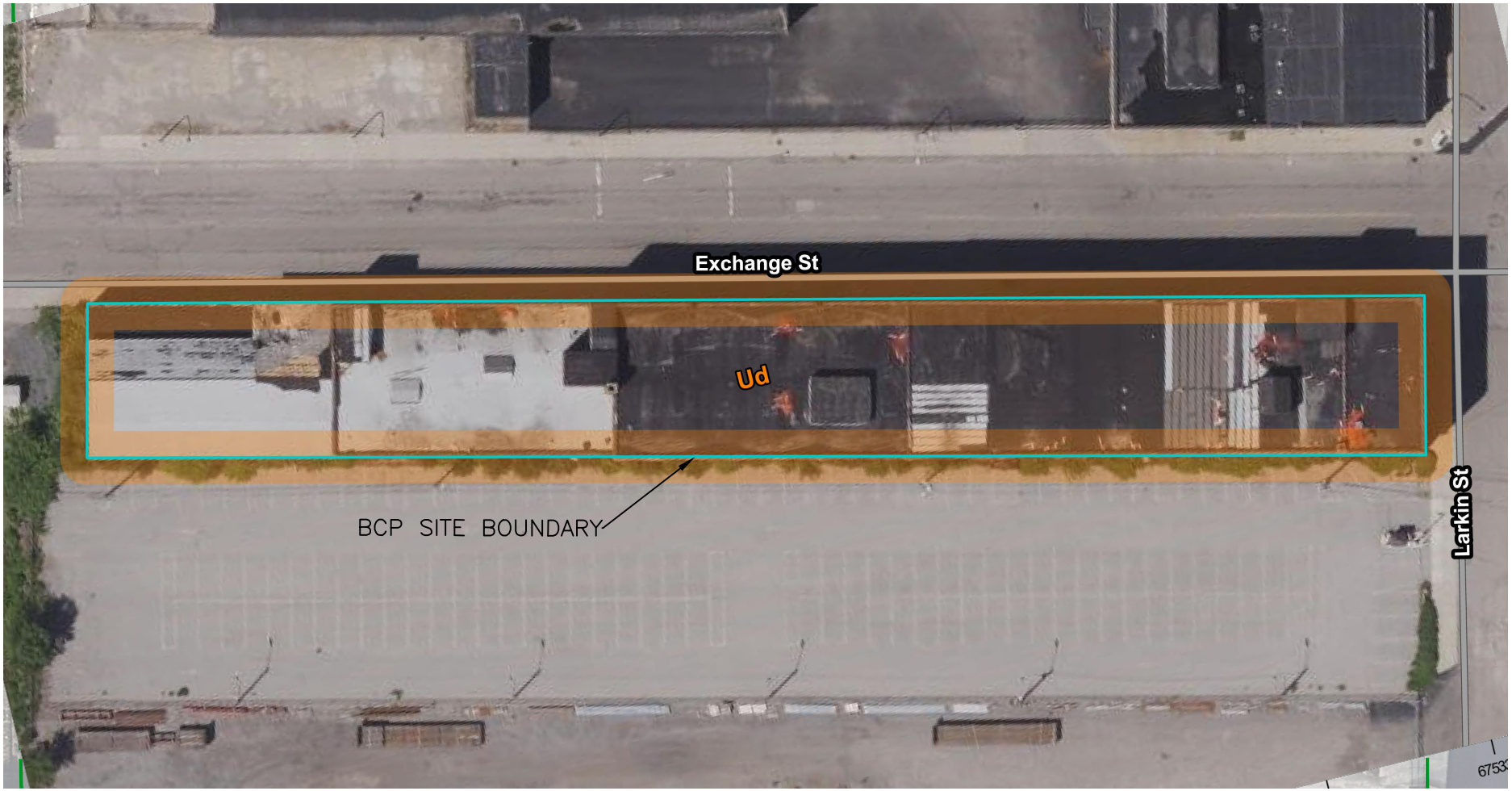
Prepared for:

PG LARKINVILLE, LLC

ROUX

Compiled by: CNK	Date: DECEMBER 2024	FIGURE
Prepared by: CNK	Scale: AS SHOWN	2
Project Mgr: BWM	Project: B0718-023-001	
File: FIGURE 2; SITE PLAN.DWG		

F:\CAD\0-ROUX\PARK GROVE REALTY\619 EXCHANGE ST\RI WORK PLAN\FIGURE 3; SITE SOILS MAP.DWG



MAP UNIT SYMBOL	MAP UNIT NAME
Ud	URBAN LAND

NOTE:
1. IMAGE SOURCE USDA NATURAL RESOURCES CONSERVATION SERVICE WEB SOIL SURVEY

N

60' 0 60'

Title:

SITE SOILS MAP

REMEDIAL INVESTIGATION WORK PLAN

619 EXCHANGE STREET SITE
BUFFALO, NEW YORK

Prepared for:

PG LARKINVILLE, LLC

ROUX

Compiled by: CMC	Date: DECEMBER 2024	FIGURE
Prepared by: CMC	Scale: AS SHOWN	3
Project Mgr: BWM	Project: B0718-023-001	
File: FIGURE 3; SITE SOILS MAP.DWG		

HC–1 (0–1 FT)	5/23/2023
PARAMETER	MG/KG
BENZO(A)ANTHRACENE	5
BENZO(A)PYRENE	3.9
BENZO(B)FLUORANTHENE	4.3
BENZO(K)FLUORANTHENE	2.2
CHRYSENE	4.4
DIBENZO(A,H)ANTHRACENE	0.62
INDENO(1,2,3–CD)PYRENE	1.7
ARSENIC	16.8
LEAD	525
MERCURY	12.2

SB–10 (0–1 FT)	8/22/2023
PARAMETER	MG/KG
BARIUM	1850
LEAD	69

SB–3 (0–1 FT)	5/23/2023
PARAMETER	MG/KG
BENZO(A)ANTHRACENE	2.7
BENZO(A)PYRENE	2.9
BENZO(B)FLUORANTHENE	2.9
BENZO(K)FLUORANTHENE	0.86
CHRYSENE	2.3
DIBENZO(A,H)ANTHRACENE	0.48
INDENO(1,2,3–CD)PYRENE	2.1

SB–1 (0–1 FT)	5/23/2023
PARAMETER	MG/KG
ARSENIC	22.5

PROXIMATE TO INTERIOR SUMP WITH STANDING WATER

PROXIMATE INTERIOR FLOOR DRAIN AND THREE (3) EXTERIOR SUSPECT BRACKETS.

SECTION 3 (CONCRETE FORMER BUILDING SLAB)

BLACK STAINING ON CONCRETE SLAB.

EXCHANGE STREET

PROXIMATE TO INTERIOR SUMP AND TWO (2) EXTERIOR SUSPECT BRACKETS

HC-1

SB-10

SB-4

SB-3

SB-1

SB-6

SECTION 2 (SLAB–ON–GRADE)

SECTION 3 (CONCRETE FORMER BUILDING SLAB)

HC-3

HC-2

SB-7

SB-9

SB-8

SECTION 1 (SUBSLAB BASEMENT)

SB-5

SB-2

LARKIN STREET

SHEEN OBSERVED ON CONCRETE FLOOR SURFACE. BORING COMPLETED AT LOWEST POINT WITHIN THE AREA OF OBSERVED SHEEN.

BLACK TAR ON CONCRETE SLAB.

BLACK STAINING ON CONCRETE SLAB.

HC–3 (0–1 FT)	5/23/2023
PARAMETER	MG/KG
ARSENIC	22.1
LEAD	98.3
MERCURY	0.214

SB–9 (0–1 FT)	8/22/2023
PARAMETER	MG/KG
ARSENIC	15.3

SB–2 (0–1 FT)	5/23/2023
PARAMETER	MG/KG
ARSENIC	64.4
LEAD	67.6

SB–8 (0–1 FT)	8/22/2023
PARAMETER	MG/KG
ARSENIC	13.3

HC–2 (0.5–2 FT)	5/23/2023
PARAMETER	MG/KG
ARSENIC	14.8
LEAD	286
MERCURY	2.53
SELENIUM	4.03

SB–7 (0–1 FT)	5/23/2023
PARAMETER	MG/KG
ARSENIC	18
LEAD	237
MERCURY	0.453
SELENIUM	4.02

UNKNOWN CANDY CANE VENT PIPE PROTRUDING FROM WALL

APPROXIMATE LOCATION OF BASEMENT MECHANICAL ROOM AND SUSPECT FORMER AST VAULT WITH 5,000–GALLON FUEL LEVEL GAUGE, CUT COPPER PIPES, SUMP, AND STANDING WATER

LEGEND

- BCP SITE BOUNDARY
- PARCEL BOUNDARY
- BUILDING OUTLINE
- DEMOLISHED BUILDING SECTION (SLAB–ON–GRADE REMAINS)
- HC-1 PHASE II HAND CORE/AUGER
- SB-1 PHASE II SOIL BORING
- EXCEEDS UNRESTRICTED SCOs
- EXCEEDS RESTRICTED–RESIDENTIAL SCOs
- EXCEEDS COMMERCIAL SCOs
- EXCEEDS INDUSTRIAL SCOs

NOTE:
1. IMAGE SOURCE GOOGLE EARTH 2022.
2. RESULTS COMPARED TO 6NYCRR PART 375 SOIL CLEANUP OBJECTIVES (SCOs).

N

50’ 0 50’

Title:
HISTORIC INVESTIGATION LOCATIONS AND AREAS OF CONCERN

REMEDIAL INVESTIGATION WORK PLAN

619 EXCHANGE STREET SITE
BUFFALO, NEW YORK

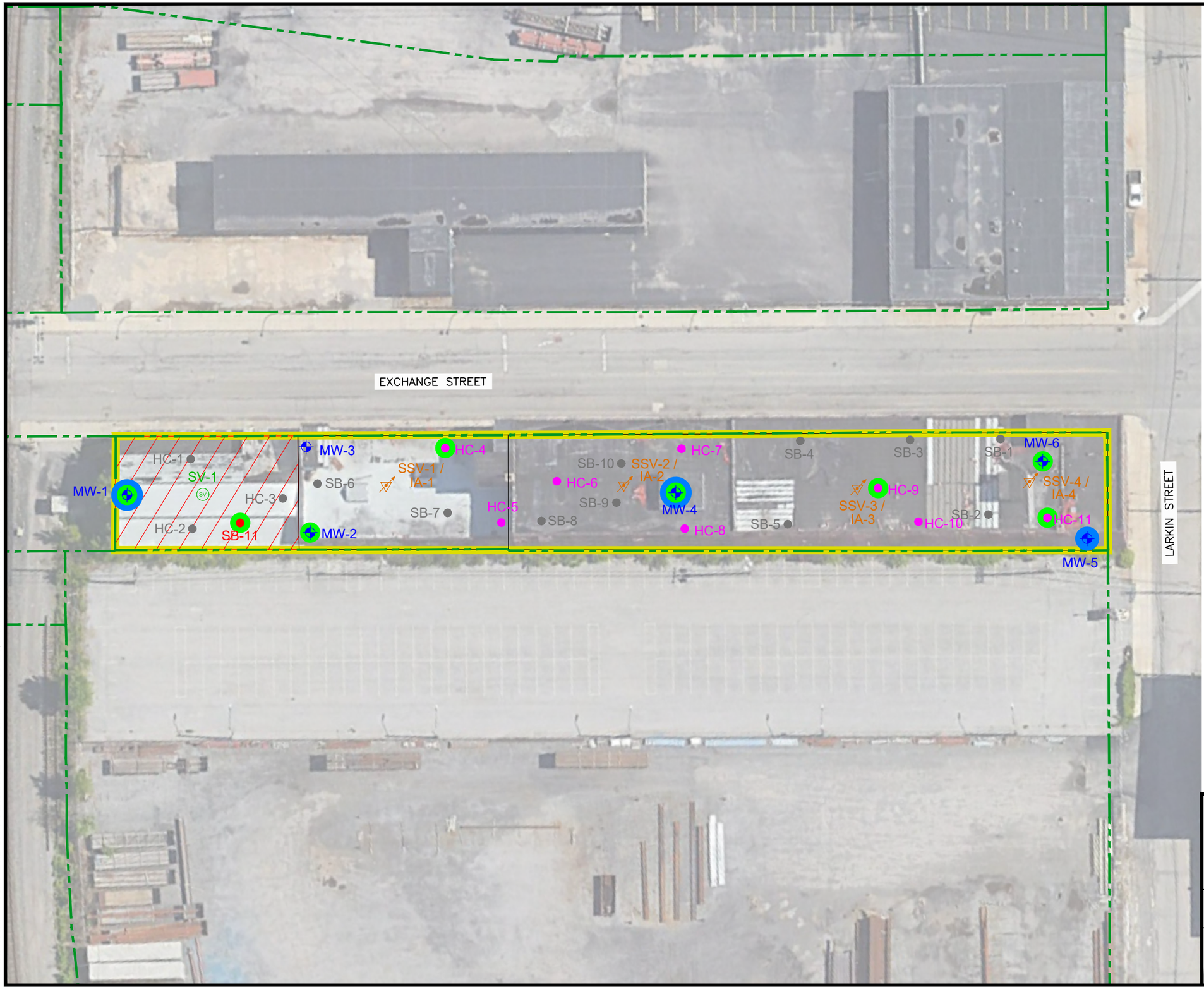
Prepared for:
PG LARKINVILLE, LLC

ROUX

Compiled by: CNK	Date: DECEMBER 2024
Prepared by: CNK	Scale: AS SHOWN
Project Mgr: BWM	Project: B0718-023-001
File: FIGURE 4: INVESTIGATION LOCATIONS AND AREAS OF CONCERN.DWG	

FIGURE 4

F:\CAD\0-ROUX\PARK GROVE REALTY\619 EXCHANGE STR\ WORK PLAN\FIGURE 4: INVESTIGATION LOCATIONS AND AREAS OF CONCERN.DWG



F:\CAD\0-ROUX\PARK GROVE REALTY\619 EXCHANGE ST\RI WORK PLAN\FIGURE 5; RI INVESTIGATION LOCATIONS AND AREAS OF CONCERN.DWG

LEGEND

- BCP SITE BOUNDARY
- PARCEL BOUNDARY
- BUILDING OUTLINE
- DEMOLISHED BUILDING SECTION (SLAB–ON–GRADE REMAINS)
- HC-1 PHASE II HAND CORE/AUGER
- SB-1 PHASE II SOIL BORING
- SB-11 RI SOIL BORING
- HC-4 RI HAND CORE/AUGER
- MW-2 RI MONITORING WELL
- SSV-1 / IA-1 RI SUB–SLAB VAPOR / INDOOR AIR
- SV-1 RI SOIL VAPOR

- FULL SUITE SOIL SAMPLE LOCATION (8)
- FULL SUITE WATER SAMPLE

NOTE:
1. IMAGE SOURCE GOOGLE EARTH 2022.

N

50’ 0 50’

Title:
INVESTIGATION LOCATIONS AND AREAS OF CONCERN

REMEDIAL INVESTIGATION WORK PLAN

619 EXCHANGE STREET SITE
BUFFALO, NEW YORK

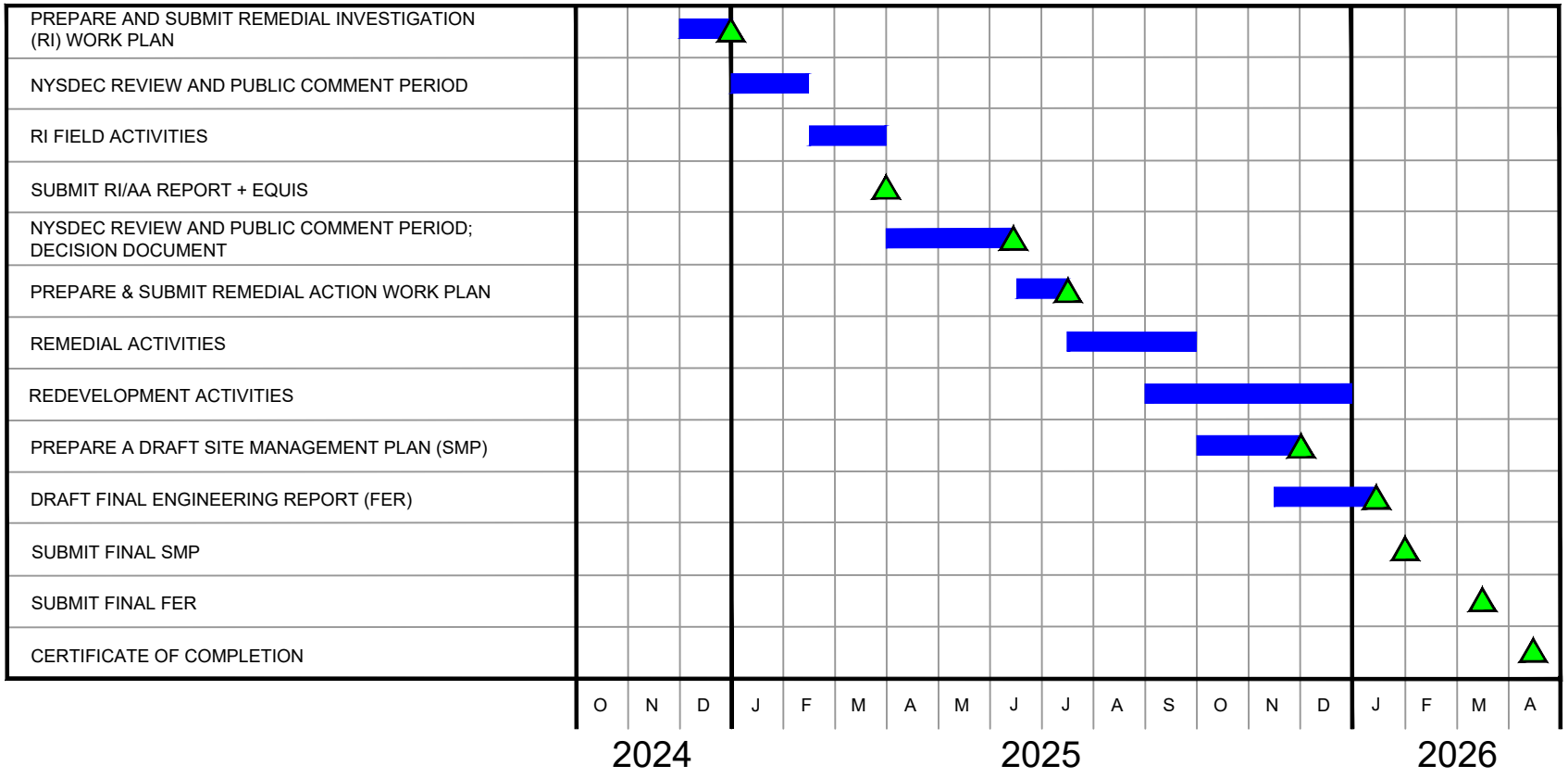
Prepared for:
PG LARKINVILLE, LLC

ROUX

Compiled by: CMC	Date: DECEMBER 2024	FIGURE
Prepared by: CMC	Scale: AS SHOWN	5
Project Mgr: BWM	Project: B0718-023-001	
File: FIGURE 5; RI INVESTIGATION LOCATIONS AND AREAS OF CONCERN.DWG		

F:\CAD\0-ROUX\PARK GROVE REALTY\619 EXCHANGE ST\RI WORK PLAN\FIGURE 6; PROJECT SCHEDULE.DWG

PROJECT TASKS:



Title:

PROJECT SCHEDULE

REMEDIAL INVESTIGATION WORK PLAN

619 EXCHANGE STREET SITE
BUFFALO, NEW YORK

Prepared for:

PG LARKINVILLE, LLC

ROUX

Compiled by: CMC	Date: DECEMBER 2024	FIGURE
Prepared by: CMC	Scale: AS SHOWN	6
Project Mgr: BWM	Project: 4502.0001B000	
File: FIGURE 6; PROJECT SCHEDULE.DWG		

APPENDICES

A. Professional Profiles
B. Previous Investigations (*Flash Drive*)
C. Project Documentation Forms
D. Health and Safety Plan (HASP)
E. Community Air Monitoring Plan
F. Field Operating Procedures (FOPs)

APPENDIX A

Professional Profiles

BRYAN W. MAYBACK
TECHNICAL DIRECTOR

EDUCATION

Bachelors of Science (Earth Sciences, Environmental Concentration) 2002; State University of New York College at Buffalo
Associates in Applied Science (graduated with high distinction), Environmental Technology (1999) Trocaire College, Buffalo, New York

REGISTRATION AND AFFILIATIONS

Hazardous Material Handling 40 hour (OSHA)
Hazardous Material Handling 8 hour Supervisor Training (OSHA)
Environmental Site Assessments for Property Transfer (ASTM Conference)
Construction Safety Training 10 hour (OSHA)

SUMMARY OF EXPERIENCE

Since 2002, Bryan Mayback has been involved in various aspects of the environmental field and has extensive experience with environmental due diligence, investigation, and remediation activities with focus on Brownfield Cleanup Program (BCP) and spill incident projects. Mr. Mayback has completed/managed thousands of Phase I Environmental Site Assessments and hundreds of Phase II Environmental Investigations on Sites with a wide variety of uses from farmland to industrial located in Western New York and throughout the U.S. Mr. Mayback has performed various field services such as remedial oversight, groundwater monitoring activities, including well gauging, purging (bailers and low-flow) and sampling. In addition to management of large-scale investigation projects, Mr. Mayback has also managed large-scale remediation projects that involved soil/fill excavation, tank pulls, groundwater injection activities, groundwater management, sensitive receptor surveys, hydrogeologic studies, impact delineation studies, and pilot testing relative to remedial alternatives. Mr. Mayback is experienced in project management, written reports, and final report reviews. He has also provided environmental consulting services for major petroleum companies. Currently, Mr. Mayback continues to manage environmental due diligence, BCP, and spill projects.

REPRESENTATIVE PROJECT EXPERIENCE

Since July 2014: **Roux Environmental Engineering and Geology, D.P.C. (formerly Benchmark and TurnKey Companies)**

Technical Director

- **Environmental Projects.** As Project Manager has been involved in and managed thousands of Environmental Site Assessment projects including Phase I and Phase II investigations for financial institutions, commercial developers, lawyers, industrial facilities, and owners. Serves as Project Manager for various Sites in regulatory programs such as BCP and Spills. Responsible for client/regulator communications, report preparation and reviews, proposals, and budget formulation.

June 2009 to July 2014: **RJS Environmental, Inc.**
Vice President (2009-2013), President (2013-2014)

- **Environmental Due Diligence Projects.** Project Officer and Manager for all Environmental Site Assessment projects including Phase I and intrusive (Phase II) studies, for banks, developers, lawyers,

owners, etc. Responsible for client communications, report reviews, and project management with focus on ensuring project budgets and deadlines are met.

September 2007 – June 2009 — **Groundwater and Environmental Services, Inc**
Case Manager/Environmental Scientist

- **Major Petroleum Companies, NY**. Provided consulting services for ExxonMobil and other major petroleum companies that facilitated active New York State DEC listed spills towards closure. These sites were environmentally challenged properties in differing stages of remediation located mostly in Western New York. As Case Manager/Environmental Scientist provided oversight for various environmental activities, including soil excavation, dewatering/groundwater treatment and discharge, soil boring and monitoring well installation, remedial pilot testing, test pits and product recovery. Also responsible for completion and review of Remedial Action Work Plans, Excavation Reports, Quarterly Site Monitoring Reports, and pilot test reports for submittal to the NYSDEC and ExxonMobil.

November 2002 – September 2007 — **Lender Consulting Services**
Senior Environmental Analyst

- Involved in developing hundreds of lender-based Phase I and Phase II environmental site assessments (including site inspections, municipal record reviews, soil/groundwater sampling, and UST removals) in Western New York as well as throughout the U.S. Responsible for review of Environmental Site Assessment Reports, and training and supervising staff involved in site assessments. Communicated property related potential environmental issues and solutions to clients and regulators.

Summer 2000 — **AFI Environmental**
College Intern/Environmental Specialist

- Supervised a remedial project with removal of impacted soil via excavation at a site in Buffalo, New York. Groundwater was treated with activated carbon and discharged to the municipal sewer system. Also constructed a remedial biotreatment field for petroleum-impacted soil; collected soil and groundwater samples for laboratory analysis; reviewed analytical data and prepared reports.

PROFESSIONAL PROFILE

Michael Lesakowski

Vice President | Principal Scientist | Co-operations Manager



CONTACT INFORMATION
Main: (716) 856-0599
Direct: (716) 818-3954
Email: mlesakowski@rouxinc.com
Website: www.rouxinc.com

2558 Hamburg Turnpike
Suite 300
Buffalo, NY 14218

EDUCATION
Master of Science
Environmental Engineering Science
University at Buffalo, 2008

Bachelor of Science
Biology
State University of New York at Fredonia, 1994

EXPERIENCE SUMMARY

Over 25 years professional experience in environmental engineering, science and consulting at numerous contaminated sites throughout the northeast United States as Vice President (Roux Environmental Engineering and Geology, DPC), President, Principal Scientist, Sr. Project Manager and Project Manager (TurnKey Environmental Restoration, LLC), Executive Vice President, Project Manager and Environmental Scientist (LCS, Inc.) and Environmental Scientist (GZA GeoEnvironmental of NY).

TECHNICAL SPECIALTIES

Expert in all aspects of the New York Brownfield Cleanup Program, including technical assessment and analysis of the site investigation/remedy selection process, and site remediation. Expert in the business of the NY BCP sites, including cost/credit analysis and structured liability transfers of contaminated properties. Mr. Lesakowski has investigated and remediated over 100 NY brownfield projects, including 10 renewable energy redevelopment projects on remediated brownfield sites. He has managed assessments, investigations and remediation projects on properties with a multitude of historic uses (e.g., petroleum storage refineries and terminals, gas stations, automobile dealerships, rail yards, foundries, dry cleaners, steel manufacturing, metallurgical plants, metal plating operations, junk yards), media types (surface and subsurface soil, groundwater, sediments, soil vapor, indoor air, building materials) and contaminants (e.g., volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), heavy metals, per- and polyfluoroalkyl substances (PFAS)). Mr. Lesakowski has managed remediation projects, ranging from simple underground storage tank (UST) removals to large-scale soil excavations, in-situ soil stabilization, and complex groundwater remediation programs, such as biological and/or chemical in-situ groundwater treatment and permeable reactive barriers for VOCs and PFAS.

REPRESENTATIVE PROJECTS

GLR Holdings Site, Niagara Falls, New York

Manager and Principal Investigator/Remediator for Remedial Investigation (RI), Interim Remedial Measure (IRM) and Remedial Alternatives Analysis under the NYSDEC guidance for a former automotive repair facility with significant soil, groundwater and soil vapor chlorinated volatile organic compounds impact. The RI included a hydrogeologic assessment, including soil borings using a hollow stem auger drill rig, installation, development and sampling of groundwater monitoring wells, an on-site and off-site soil vapor assessment and dye test to trace drains and sewers to evaluate potential preferential pathways. The remediation approach included:

- soil excavation and disposal;
- in-situ enhanced biodegradation of groundwater, and,
- The newly constructed building included an active subslab depressurization system to protect the occupants from potential soil vapor intrusion.

The site was redeveloped as a restaurant.

Seneca Market I, LLC Site, Watkins Glen, New York

Manager of Site Investigation and Remediation at a former drycleaner, bus garage and asphalt plant under NYSDEC guidance with significant chlorinated volatile organic compounds impact. The investigation included a hydrogeologic assessment, including soil borings, test pits and monitoring well installation, development and sampling. The remediation approach involved:

- underground storage tank removal;
- in-ground hydraulic lift removal
- hazardous soil excavation and disposal proximate a commercial building;
- enhanced biodegradation of groundwater;
- Groundwater extracted during excavation was treated with granular activated carbon and discharged to the municipal sewer system
- An active subslab depressurization system to protect the occupants from potential soil vapor intrusion; and,
- Portions of the site included an engineered soil cover system.

The Property was redeveloped with an up-scale hotel.

330 Maple Road Site, Amherst, New York

Manager and Principal Investigator/Remediator for a Remedial Investigation/Alternatives Analysis and Remedial Action under NYSDEC guidance for a small-arms shooting range with hazardous lead and semi-volatile organic compounds (SVOCs) in soil. The RI involved collecting over 1,000 soil samples on 26-acre parcel slated for future mixed-use commercial and residential development. Bench-scale testing was completed to select a substrate to treat the characteristic hazardous soil to below toxicity characteristic leaching procedure (TCLP) thresholds. Remedial Action included:

- physical removal of lead shot from the soil matrix;
- in-situ stabilization of characteristically hazardous lead-impacted soil; and,
- Excavation and off-site disposal of lead and SVOC-impacted soil.

The site was remediated to allow for residential re-use.

275 Franklin Street Site

Manager and Principal Investigator/Remediator for a Remedial Investigation/Alternatives Analysis and Remedial Action under NYSDEC guidance at a NYSDEC Brownfield Cleanup Program site formerly used as drycleaner in western New York with significant soil and groundwater chlorinated VOC impacts. The investigation included a hydrogeologic assessment, including soil borings and overburden and bedrock monitoring well installation, development and sampling. Soil was successfully remediated using a combination of soil vapor extraction and excavation and off-site disposal. Groundwater remediation involved in-situ treatment of impacted groundwater at the downgradient property boundary whereby groundwater migrated through a permeable reactive barrier. An active sub-slab depressurization system design and installation is planned in the new building during construction.

Niagara Street and Pennsylvania Avenue Site

Manager and Principal Investigator/Remediator for a Remedial Investigation/Alternatives Analysis and Remedial Action under NYSDEC guidance at a NYSDEC Brownfield Cleanup Program site formerly used as gasoline and service station in Buffalo, New York with significant petroleum impacts. The investigation included a hydrogeologic assessment, including soil borings and overburden monitoring well installation, development and sampling. Remedial Action included:

- Demolition of the former service station building and product dispenser canopy and disposal of construction and demolition debris;
- Removal and recycling of approximately 80 tons of concrete at Iron City in Lackawanna, New York;
- Removal of five underground storage tanks, including all associated dispensing units and underground product piping;
- Excavation of petroleum-impacted soil/fill followed by off-site transportation and disposal a commercial landfill;
- Extraction and treatment of approximately 6,000-gallons of groundwater from the excavation during remediation activities using bag filtration and granular activated carbon and discharge to the municipal sewer; and,
- Placement and compaction of approximately crusher run stone backfill to the approximate pre-existing grade.

1501 College Avenue Site

Manager and Principal Investigator/Remediator for a Remedial Investigation/Alternatives Analysis and Remedial Action under NYSDEC guidance at a NYSDEC Brownfield Cleanup Program site at a former heavy industrial and manufacturing facility in Niagara Falls, New York. The investigation included a hydrogeologic assessment, including soil borings, test pits and overburden monitoring well installation, development and sampling. Remedial Action included:

- Disposal of galbestos roofing and building materials;
- Collection and removal of seven (7) roll-off containers of abandoned drums and containers of off-spec former carbon electrode manufacturing materials;
- Waste petroleum oil was vacuumed out of two abandoned tanker trucks;
- Cleaning and collection of steel ASTs, empty drums and two (2) abandoned tanker trucks and transported off-site with other on-Site scrap metals (i.e., building demolition metals);
- Excavation and disposal of non-hazardous petroleum-impacted soil/fill;
- Excavation of PCB-impacted soil/fill;
- Extraction and storage of approximately 20,000 gallons of impacted water removed from the excavation for solidification and final disposal at a commercial landfill; and,
- A soil cover system across the site.

500 South Union Street Site

Manager and Principal Investigator/Remediator for a Remedial Investigation/Alternatives Analysis and Remedial Action under NYSDEC guidance at a NYSDEC Brownfield Cleanup Program site at a former dry cleaning facility in Spencerport, New York. The investigation included a hydrogeologic assessment, including exterior and interior soil borings, test pits and monitoring well installation, development and sampling, soil vapor testing and hydrogeologic assessment to design the in-situ groundwater treatment program. Remedial Action included:

- Installation of an active subslab depressurization system within the existing building to prevent migration of vapors into the building air;
- In-situ injection of treatment agent at 71 injection points located across the Site to enhance natural biodegradation of cVOCs in groundwater;
- Limited excavation and off-Site disposal of surface soil/fill exceeding commercial use soil cleanup objectives; and,
- Construction and maintenance of a soil cover system consisting of the existing building, pavement (asphalt), sidewalks, and soil cover in all other areas at a minimum of one foot thick over the demarcation layer, to prevent human exposure to remaining contaminated soil/fill remaining at the Site;

The site is currently used as a multi-tenant commercial facility.

Scott Rotary Seals Site

Manager and Principal Investigator/Remediator for a Remedial Investigation/Alternatives Analysis and Remedial Action under NYSDEC guidance at a NYSDEC Brownfield Cleanup Program site at a former petroleum refining facility in Olean, New York. The investigation included a hydrogeologic assessment, including soil borings, test pits and monitoring well installation, development and sampling, as well as subslab vapor/indoor air testing. Remedial Action included:

- Limited excavation and off-Site disposal of shallow grossly contaminated soil to a depth of approximately 6-feet below final grade within the northwest area of the Site, including the building footprint and utility corridors;
- Installation of a soil vapor extraction system to treat grossly contaminated soil in the deeper vadose zone soil/fill from approximately 6-fbgs to the top of the groundwater surface;
- Construction and maintenance of a soil cover system consisting of buildings, pavement (asphalt and concrete), sidewalks, and soil cover in all other areas at a minimum of one foot thick over the demarcation layer, to prevent human exposure to remaining contaminated soil/fill remaining at the Site;

- Installation of an active subslab depressurization system within the newly constructed on-Site building to prevent migration of vapors into the buildings; and,
- Installation of a LNAPL removal system within certain on-Site wells, utilizing absorbent socks.

The site is was redeveloped as a light industrial and commercial facility.

Olean Redevelopment Parcel 2 Site

Manager and Principal Investigator/Remediator for a Remedial Investigation/Alternatives Analysis and Remedial Action under NYSDEC guidance at a NYSDEC Brownfield Cleanup Program site at a former petroleum refining and major storage facility in Olean, New York. The comprehensive investigation, which was completed over three separate sites (Olean Redevelopment Parcels 1,2 and 3) totaling approximate 60-acres, included a hydrogeologic assessment, including soil borings, test pits and monitoring well installation, development and sampling.

As part of the investigation, bench-scale studies were completed to assess treatment of grossly contaminated petroleum soil (GCPS) impacted soil and lead-impacted soil. Soil/fill batches were treated by mixing to simulate landfarming; stabilized with lime, Portland cement, and fly ash (all amendments added at 2% and 5% by weight); and chemically oxidized with hydrogen peroxide (1% and 3% by weight).

Based on the results of the bench-scale treatability studies, four pilot-scale treatability studies were performed: in-situ SVE; ex-situ landfarming; force vented biopiles (FVBP); and, solidification/stabilization. As part of these pilot-scale treatability studies, biofiltration was assessed as component of treatment of the extracted air from the in-situ SVE pilot study and for the FVBP pilot study.

Remedial Action included:

- Approximately 2,715-tons of arsenic contaminated soil/fill, 143-tons of mercury contaminated soil/fill and 638-tons of grossly contaminated petroleum soil (GCPS) was excavated, loaded, and transported off-Site to a commercial landfill;

- Approximately 34,313 linear feet of subsurface metallic product piping (steel, cast iron, lead and copper) was exposed, tapped, evacuated of contents, removed, cleaned and recycled or disposed. An additional 156 linear feet of wood pipe was also exposed, tapped, evacuated of contents, removed, cleaned and disposed off-site. Piping which extended beyond the property boundary was capped and/or grouted at the apparent property line. Approximately 240 cubic yards of GCPS was excavated during piping removal activities and treated on the on-site force-vented biopiles FVBPs and reused as backfill below the cover system;

- Approximately 24, 55-gallon drums were generated from the removal of the abandoned subsurface piping. The contents of the piping included LNAPL, residual pipe scale, and product sludge. The 24 drums (15 non-hazardous and 9 hazardous) were disposed at a commercial landfill. In addition to the drums, approximately 3.5 tons of tank contents that were placed into roll-off containers and solidified with Portland cement due to liquid content were disposed at a commercial landfill. Water extracted from excavations during piping removal was pumped into holding tanks, treated with bag filters and granular activated carbon (GAC) on-site, pumped into a secondary on-Site temporary holding tank, sampled, and discharged to the municipal sanitary sewer with approval under an Industrial Pretreatment Program permit. Approximately 4 drums of wash water generated during holding tank cleaning were disposed at a commercial landfill;

- Design, installation and operation of a SVE system to address GCPS in the deeper soil/fill from approximately 2 to 15 fbgs. The SVE system included the installation of 13 SVE wells, associated conveyance piping, and placement of three trailer-mounted SVE blowers. Emissions from the SVE system were controlled using biofilters, which allowed the naturally occurring microbes to bioremediate the air stream and control the nuisance odors from the SVE systems.

- Light non-aqueous phase liquid (NAPL) recovery was completed utilizing hydrocarbon absorbent socks at one well and a product pump at one well. LNAPL thicknesses at these locations has been measured to vary from 0 to 6.5 ft. Recovered product was transferred to properly labeled and sealed 55-gallon drums at the Site for future off-Site disposal.

- A site cover system was constructed to allow for commercial use of the Site. The cover system consists of a minimum of one foot of soil. A portion of the Site is covered with an asphalt road that serves as part of the cover system The soil cover was placed over a demarcation layer, consisting of orange plastic mesh, and was hydroseeded and fertilized. On-Site drainage ditches were lined with rip-rap.

Olean Redevelopment Parcel 3 Site

Manager and Principal Investigator/Remediator for a Remedial Investigation/Alternatives Analysis and Remedial Action under NYSDEC guidance at a NYSDEC Brownfield Cleanup Program site at a former petroleum refining and major storage facility in Olean, New York. The comprehensive investigation, which was completed over three separate sites (Olean Redevelopment Parcels 1,2 and 3) totaling approximate 60-acres, included a hydrogeologic assessment, including soil borings, test pits and monitoring well installation, development and sampling.

As part of the investigation, bench-scale studies were completed to assess treatment of grossly contaminated petroleum soil (GCPS) impacted soil and lead-impacted soil. Soil/fill batches were treated by mixing to simulate landfarming; stabilized with lime, Portland cement, and fly ash (all amendments added at 2% and 5% by weight); and chemically oxidized with hydrogen peroxide (1% and 3% by weight).

Based on the results of the bench-scale treatability studies, four pilot-scale treatability studies were performed: in-situ SVE; ex-situ landfarming; force vented biopiles (FVBP); and, solidification/stabilization. As part of these pilot-scale treatability studies, biofiltration was assessed as component of treatment of the extracted air from the in-situ SVE pilot study and for the FVBP pilot study.

Remedial Action included:

- Approximately 425-tons of arsenic contaminated soil/fill, 235-tons of GCPS was excavated, loaded, and transported off-Site to a commercial landfill;

- Approximately 7,592-tons of lead contaminated soil/fill was stabilized in-place utilizing Portland cement to treat the soil and render it non-hazardous;

- Approximately 50,667 linear feet of subsurface metallic product piping (steel, cast iron, lead and copper) was exposed, tapped, evacuated of contents, removed, cleaned and recycled or disposed. An additional 232 linear feet of wood pipe was also exposed, tapped, evacuated of contents, removed, cleaned and disposed off-site. Piping which extended beyond the property boundary was capped and/or grouted at the apparent property line. Approximately 2,552 cubic yards of GCPS was excavated during piping removal activities and treated on the on-site FVBPs and reused as backfill below the cover system;

- Approximately 33, 55-gallon drums were generated from the removal of the abandoned subsurface piping. The contents of the piping included LNAPL, residual pipe scale, and product sludge. The 33 drums (21 non-hazardous and 12 hazardous) were disposed at a commercial landfill. In addition to the drums, approximately 4.9 tons of tank contents that were placed into roll-off containers and solidified with Portland cement due to liquid content were disposed at a commercial landfill. Water extracted from excavations during piping removal was pumped into holding tanks, treated with bag filters and granular activated carbon (GAC) on-site, pumped into a secondary on-Site temporary holding tank, sampled, and discharged to the municipal sanitary sewer with approval under an Industrial Pretreatment Program permit. Approximately 6 drums of wash water generated during holding tank cleaning were disposed at a commercial landfill;

- Installation and operation of a SVE system to address GCPS in the deeper soil/fill from approximately 2 to 15 fbgs. The SVE system included the installation of 58 SVE wells, associated conveyance piping, and placement of three trailer-mounted SVE blowers. Emissions from the SVE system were controlled using biofilters, which allowed the naturally occurring microbes to bioremediate the air stream and control the nuisance odors from the SVE systems.

- LNAPL recovery was completed utilizing hydrocarbon absorbent socks;

- A site cover system was constructed to allow for commercial use of the Site. The soil cover was placed over a demarcation layer, consisting of orange plastic mesh, and was hydroseeded and fertilized. On-Site drainage ditches were lined with rip-rap.

The site was redeveloped as a commercial solar power generating facility.

Olean Redevelopment Parcel 1 Site

Manager and Principal Investigator/Remediator for a Remedial Investigation/Alternatives Analysis and Remedial Action under NYSDEC guidance at a NYSDEC Brownfield Cleanup Program site at a former petroleum refining and major storage facility in Olean, New York. The comprehensive investigation, which was completed over three separate sites (Olean Redevelopment Parcels 1,2 and 3) totaling approximate 60-acres, included a hydrogeologic assessment, including soil borings, test pits and monitoring well installation, development and sampling.

As part of the investigation, bench-scale studies were completed to assess treatment of grossly contaminated petroleum soil (GCPS) impacted soil and lead-impacted soil. Soil/fill batches were treated by mixing to simulate landfarming; stabilized with lime, Portland cement, and fly ash (all amendments added at 2% and 5% by weight); and chemically oxidized with hydrogen peroxide (1% and 3% by weight).

Based on the results of the bench-scale treatability studies, four pilot-scale treatability studies were performed: in-situ SVE; ex-situ landfarming; force vented biopiles (FVBP); and, solidification/stabilization. As part of these pilot-scale treatability studies, biofiltration was assessed as component of treatment of the extracted air from the in-situ SVE pilot study and for the FVBP pilot study.

- Approximately 1,652 tons of arsenic contaminated soil/fill, 110 tons of mercury contaminated soil/fill, approximately 357 tons of PCB contaminated soil/fill, and approximately 5,722 tons of PAH (SVOC)-contaminated was excavated, loaded, and transported off-site to a commercial landfill;
- Removal of an ammonia tank, approximately 500-gallon stainless steel vertical UST with no piping; and associated PCB- and ammonia-impacted soil;
- Approximately 49,976 linear feet of subsurface metallic product piping was exposed, tapped, evacuated of contents, removed, cleaned and recycled. An additional approximate 578 tons of GCPS contaminated soil/fill was excavated, loaded, and transported off-site to a commercial landfill;
- Approximately 48, 55-gallon drums were generated during the remedial work, 42 of which were generated from the removal of the abandoned subsurface piping. The contents of the piping included LNAPL, residual pipe scale, and product sludge. Water extracted from excavations during piping removal was pumped into holding tanks, treated with bag filters and granular activated carbon (GAC) on-site, pumped into a secondary on-site temporary holding tank, sampled, and discharged to the municipal sanitary sewer;
- Installation and operation of a SVE system to address GCPS in the soil/fill from approximately 2 to 15 fbgs. The SVE system included the installation of seven SVE wells, associated conveyance piping, and placement of an SVE blower. Emissions from the SVE system were controlled using a biofilter to bioremediate the air stream and control the nuisance odors from the SVE system;
- LNAPL recovery was completed using hydrocarbon absorbent socks and/or manual bailing at six wells and a product skimmer at one well. LNAPL thicknesses at these locations has been measured to vary from 0.3 to 5.05 ft. Recovered product was transferred to properly labeled and sealed 55-gallon drums at the Site for off-site disposal; and,

- Construction and maintenance of a site cover system.

A portion of the site was redeveloped as a hotel.

251 Homer Street Redevelopment Site

Manager and Principal Investigator/Remediator for a Remedial Investigation/Alternatives Analysis and Remedial Action under NYSDEC guidance at a NYSDEC Brownfield Cleanup Program site at a former petroleum refining and major petroleum storage facility in Olean, New York. The investigation included a hydrogeologic assessment, including soil borings, test pits and monitoring well installation, development and sampling. Remedial Action included:

- Removal and recycling of approximately 10,644 linear feet of piping (approx. 97 tons) ranging in diameter from 2-inch to 12-inch. Removal and disposal of 51, 55-gallon drums containing oil, sludge, and scale from within the piping. Extraction, treatment, and discharge of approximately 21,000 gallons of water from within the pipes and perched water encountered during trench excavation under a temporary discharge permit issued by the municipal Wastewater Treatment Plant (WWTP);
- Excavation and off-site disposal of 49,670 tons of grossly contaminated soil (GCS) followed by backfill with clean imported soil. The on-site drainage ditch was converted to a closed 30-inch subsurface drainage pipe as discussed with NYSDEC;
- Excavation and off-site disposal of approximately 2,106 tons of arsenic-impacted soil/fill followed by backfill with clean imported soil;
- Extraction, treatment using granular activated carbon (GAC), and discharge of approximately 250,000 gallons of water encountered during excavation activities under a temporary discharge permit issued by the municipal WWTP;
- Temporary re-routing of Two Mile Creek, followed by excavation of approximately 4,000 tons on-site and 973 tons off-site of Two Mile Creek bed and bank material followed by off-site disposal, and backfilling. The creek bed and banks were restored with stone (creek bottom), and clay and clean soil (creek banks), including biodegradable erosion control blanket, riparian shrubs and hydro-seeding of creek banks;
- Construction and maintenance of a cover system consisting of a minimum 12 inches of clean soil or gravel to prevent human exposure to remaining contaminated soil/fill remaining at the site.

The site was redeveloped as a commercial solar power generating facility.

300 Ohio Street Site

Manager and Principal Investigator/Remediator for a Remedial Investigation/Alternatives Analysis and Remedial Action under NYSDEC guidance at a NYSDEC Brownfield Cleanup Program site at a former petroleum storage and sales facility in Buffalo, New York. The investigation included a hydrogeologic assessment, including soil borings, test pits and monitoring well installation, development and sampling, as well as subslab vapor/indoor air testing. Remedial Action included:

- Excavation and off-site disposal of the underground storage tank (UST) system. A total of sixteen (16) USTs and related piping and appurtenances were uncovered and removed, cleaned of residual contents and transported off-site for recycling as scrap;
- Excavation and off-site disposal of approximately 18,650 tons of grossly contaminated petroleum soil, approximately 220 tons of soil/fill exceeding 500 ppm total PAHs, and approximately 425 tons of soil/fill exceeding Commercial Use SCOs for arsenic and lead;
- Approximately 500 cubic yards (cy) of recyclable concrete and stone generated from the removal of buildings and sign footers/foundations, was crushed on-Site and used for backfill and subsurface grading beneath the cover system; and,
- Construction and maintenance of a cover system consisting a minimum of 12 inches of approved soil/stone material above a demarcation fabric to prevent human exposure to contaminated soil/fill remaining at the site.

A portion of the site was redeveloped as a brewery and restaurant.

229 Homer Street Site

Manager and Principal Investigator/Remediator for a Remedial Investigation/Alternatives Analysis and Remedial Action under NYSDEC guidance at a NYSDEC Brownfield Cleanup Program site at a former petroleum refining and major petroleum storage facility in Olean, New York. The investigation included a hydrogeologic assessment, including soil borings, test pits and monitoring well installation, development, and sampling, as well as a soil vapor intrusion assessment. Remedial Action included:

- Approximately 5,815 tons of grossly contaminated soil GCS-impacted soil/fill was excavated and transported off-site for disposal at a commercial landfill;
- Approximately 1,946 linear feet of subsurface metallic product piping was exposed, tapped, evacuated of contents, removed, cleaned and recycled. Piping which extended beyond the property boundary was capped and/or grouted at the property line.
- Approximately 19 tons of piping was recycled as scrap metal. Cleaning of the pipes generated 4 drums of pipe scale, oil and water, which was transported off-site for incineration.
- Design, installation and operation of an air sparge/soil vapor extraction (AS/SVE) system to address GCS in the deeper soil/fill from approximately 5 to 15 fbgs and in the upper 5 ft of the water table (i.e., smear zone). The air sparge portion of the system includes 53 injection wells connected to an air compressor in a climate-controlled trailer via individual 1" polyethylene lines. The SVE system includes 14 extraction wells connected by 2" polyethylene lines to one of two blowers in a separate climate-controlled trailer. Emissions from the SVE system are controlled using a biofilter, which allows naturally occurring microbes to bioremediate the air stream and control the nuisance odors from the AS/SVE system;
- Construction and maintenance of a site cover system.

Former Trico Plant Site

Manager and Principal Investigator/Remediator for a Remedial Investigation/Alternatives Analysis and Remedial Action under NYSDEC guidance at a NYSDEC Brownfield Cleanup Program site at a former manufacturing facility in Buffalo, New York. The investigation included a hydrogeologic assessment, including soil borings, test pits and monitoring well installation, development and sampling, as well as subslab vapor/indoor air testing. Remedial Action included:

- Construction and maintenance of a site cover system.
- In-situ on-site treatment of groundwater contaminated with chlorinated volatile organic compounds (cVOCs);
- Removal of six (6) hydraulic lifts and associated infrastructure and impacted soil/fill;
- Pumping and on-site treatment of water present in the building sub-basement prior to sanitary sewer discharge under a temporary discharge permit;
- Cleaning accessible sump and sewer structures with evidence of potential impacts;
- Removing and properly disposing off-site miscellaneous abandoned regulated waste materials; and abating building components for lead, asbestos, oil staining, PCBs, etc. as required during redevelopment. Building surfaces and features planned to remain with evidence of impacts from historic operations will be encapsulated or sealed;
- Installing an active sub-slab depressurization (ASD) system within the existing buildings; and,
- Maintaining existing cover system in accordance with 6NYCRR Part 375 and NYSDEC DER-10 guidelines. The cover system includes building foundations and asphalt on former Burton Street.

The site is being redeveloped as a mixed-use commercial and residential complex.

Jamison Road Site

Manager and Principal Investigator/Remediator for a Remedial Investigation/Alternatives Analysis and Remedial Action under NYSDEC guidance at a NYSDEC Brownfield Cleanup Program site at an active industrial facility in Elma, New York. The Remedial Investigation was completed across the BCP Site and off-site on adjacent parcels to supplement previous environmental data and delineate or identify areas requiring remediation. Field

activities included soil boring advancement; test pit excavations; surface and near-surface soil/fill sampling; overburden and bedrock monitoring well installation; groundwater and storm water quality sample collection; soil vapor sample collection; and, subslab vapor, indoor air and outdoor air sample collection in six on-site buildings and one off-site building. Hydraulic conductivity testing was also completed in the overburden groundwater zone as well as the bedrock groundwater to assess groundwater transmissivity. Remedial Action included:

- Excavation of 2,430 tons of contaminated soil/fill, which was disposed off-site at a commercial landfill;
- 314 tons of flowable fill proximate to a sewer line was excavated as it was deemed unsuitable due to structural considerations, which was also disposed off-site at commercial landfill;
- Two steel former pipes that ran along the eastern boundary of an on-site building were removed and disposed at a commercial landfill. Approximately 10-gallons of residual hydraulic oil removed from the pipes was transported and recycled off-site;
- Approximately 13,415 cubic yards (CY) of non-impacted soil was excavated for the construction of new buildings. With NYSDEC approval, 12,250 CY of soil was exported for reuse at another site and the remaining soil was reused on-site;
- During overburden soil removal, approximately 1,100,000 gallons of Chlorinated VOC-impacted groundwater was extracted, treated using granular activated carbon, tested, and discharged;
- A former 15" concrete storm sewer was encountered during foundation excavation for new buildings. Approximately 150 gallons of emulsified oil and water were removed using a vacuum truck, transported to an on-site frac tank and later disposed. A portion of the former sewer was removed, and the remaining portion of the sewer was filled in with concrete;
- Installing an active sub-slab depressurization (ASD) system within two new building and two existing buildings;
- As part of the remedial design, a bench-scale treatability study evaluation of media was conducted. The study included four column reactors filled with four different material combinations to determine which most effectively removed CVOCs from the Site groundwater. A proprietary product comprised of granular carbon and zero-valent iron was selected as the treatment medium;
- Implementation of *in-Situ* Chemical Reduction (ISCR) in the form of a permeable reactive barrier (PRB) with two approximate 250-feet long slurry wall legs to direct the groundwater toward the PRB. The slurry walls consist of a homogeneous mixture of soil, bentonite, and water, with a maximum hydraulic conductivity of $1x10^{-6}$ cm/s. The PRB and slurry wall legs were installed in the northwestern corner of the site to treat groundwater impacted by chlorinated volatile organic compounds;
- Implementation of in-situ phytoremediation using hybrid poplar trees to treat groundwater impacted by 1,4-dioxane. The hybrid poplar trees were planted in two rows in the northwestern corner of the site, upgradient of the PRB; and,
- Installation of an in-line air stripper to remove CVOCs from storm water prior to discharge.

The site has been redeveloped with a mixed-use industrial manufacturing facility and related research and development offices.

1827 Fillmore Site

Manager and Principal Investigator/Remediator for a Remedial Investigation/Alternatives Analysis and Remedial Action under NYSDEC guidance at a NYSDEC Brownfield Cleanup Program site at a former gravel pit filled in with miscellaneous soil/fill and construction and demolition debris in Buffalo, New York located adjacent to two public schools. The Remedial Investigation included a hydrogeologic assessment, including soil borings, test pits and monitoring well installation, development and sampling. As part of the Remedial Investigation, bench-scale studies were completed to assess treatment characteristically hazardous lead-impacted soil. Soil/fill batches were treated by mixing different amendments, including Portland cement and phosphoric acid, at varying percentages by weight. 5% Portland cement was selected as the soil amendment. Remedial action included:

- In-situ stabilization of approximately 3,091 cubic yards of characteristic hazardous lead soil/fill using Portland cement in two remedial areas of concern;
- Excavation and off-site disposal of contaminant source areas, including soil exceeding the site-specific action levels (SSALs) of 3,900 ppm of lead and soil containing total semi-volatile organic compounds (SVOCs) exceeding 500 ppm. Approximately 2,200 tons of soil was removed and disposed off-Site, including 160 tons of soil exceeding the hazardous criteria for lead, which was treated in-situ and rendered non-hazardous prior to disposal; and,

- Construction and maintenance of a soil cover system consisting of a minimum of one foot of soil placed over a demarcation layer, with the upper six inches of soil of sufficient quality to maintain a vegetative layer to prevent human exposure to remaining contaminated soil/fill.

The site is planned to be redeveloped with mixed-use commercial and residential buildings.

3100 Clinton Street Site

Manager and Principal Investigator/Remediator for a Remedial Investigation/Alternatives Analysis and Remedial Action under NYSDEC guidance at a NYSDEC Brownfield Cleanup Program site at a former railyard filled in with miscellaneous soil/fill in West Seneca, New York and located adjacent to a regulated wetland. The Remedial Investigation included a hydrogeologic assessment, including soil borings, test pits and monitoring well installation, development and sampling. Remedial Action included:

- Clearing and grubbing of vegetation, shrubs, and trees to allow remedial excavation activities. Approval to complete work activities within designated wetland areas was received from the United States Army Corps of Engineers and NYSDEC prior to starting work in those areas;
- Excavation and off-site disposal of approximately 45,850 tons (approximately 30,600 cubic yards) of PAH- and metals-impacted soil/fill;
- Excavation and off-site transport to an approved location of a total of 761 loads of surplus native soils which were determined to be structurally unsuitable for redevelopment purposes;
- Excavation and off-site disposal of 5.9 tons of treated/weathered wood (former railroad ties);
- Collection, storage, volume measurement, and discharge of 1,005,000 gallons of groundwater and/or rainwater encountered during remedial activities;
- Backfilling of the excavation area with approximately 172,724 tons of backfill including screened backfill and surge stone. Surge stone was required in areas of the site where natural soils were not suitable for geotechnical requirements of the planned building. In those areas, certain native soils were removed and/or bridged with filter fabric and surge stone was installed beneath compacted gravel.

The site was redeveloped with state-of-the-art food processing protein plant.

351 Franklin Street Site

Manager and Principal Investigator/Remediator for a Remedial Investigation/Alternatives Analysis and Remedial Action under NYSDEC guidance at a NYSDEC Brownfield Cleanup Program site at a former petroleum refining and major storage facility in Olean, New York. The Remedial Investigation included a hydrogeologic assessment, including soil borings, test pits and monitoring well installation, development and sampling. Exterior soil vapor sampling and an interior soil vapor intrusion (SVI) assessment was completed within one on-site building. A pre-design investigation included additional groundwater monitoring wells and gauging/monitoring levels of light non-aqueous phase liquid (LNAPL). As part of the remedial design, bench-scale studies will be completed to assess potential treatment options for grossly-contaminated material (GCM), including assessment of Portland cement and other potential amendments (e.g., lime-kiln dust), at varying percentages by weight. Remedial actions to be completed include:

- Excavation and reuse of the top one foot of SVOC- and arsenic-impacted soil under the cover system, and disposal of excess material;
- Excavation of non-GCM-impacted soil/fill that resides over the GCM and staging of the material on-site for reuse as backfill under the cover system;
- Excavation and disposal of approximately 16,000 tons of GCM-impacted soil/fill and completion of in-situ solidification (ISS) as needed to address GCM-impacted soil/fill at the water table, followed by backfill and site grading. After the completion of ISS mixing activities, the solidified soil will be allowed to cure for 28 days. After the mixture has cured, core samples will be collected from the solidified soil and post-treatment tests, including unconfined compressive strength (UCS), permeability testing and free liquid testing, will be completed to ensure that the solidified soil meets ISS performance requirements;
- Solidification of excavated soil, as needed, prior to disposal, based on landfill requirements;
- Removal and transferal of abandoned petroleum piping encountered during GCM excavation activities to a recycling

facility and extraction and disposal of piping contents;
- Management of impacted groundwater and stormwater during remedial activities;
- Placement of a cover system across the entire Site;
- Installation of an active sub-slab depressurization (ASD) system in the newly constructed building during construction and completion of SVI sampling;
- Monitoring of groundwater level and LNAPL; and, Removal of LNAPL via bailing or in-well pumps as needed from monitoring wells over time.

The site is planned for a redevelopment as a mixed use commercial and light industrial building.

PROFESSIONAL PROFILE



CONTACT INFORMATION

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EDUCATION

BS, Chemical Engineering, State University of New York at Buffalo, 1988

Graduate of State University of New York at Buffalo School of Management Center for Entrepreneurial Leadership, 2002

Graduate-level courses in Biological Principles of Engineering and Hazardous Waste Management through the State University of New York at Buffalo Department of Environmental Engineering

PROFESSIONAL LICENSES

Professional Engineer: NY, PA, and OH

Thomas H. Forbes, PE

Vice President | Principal Engineer | Co-operations Manager

EXPERIENCE SUMMARY

Mr. Forbes has more than thirty-five years of environmental engineering experience: Vice President, Principal Engineer, and Co-operations Manager at Roux, July 2023 to Present; Principal Engineer and President at Benchmark Civil/Environmental Engineering & Geology, PLLC, June 1998 to July 2023; and Project Engineer, Malcolm Pirnie, Inc., June 1988 to June 1998.

TECHNICAL SPECIALTIES

Mr. Forbes is a registered professional engineer licensed in the States of New York, Ohio, and Pennsylvania. He has over thirty-five years of experience focused on brownfield and hazardous waste site investigation and remediation; petroleum-impacted site remediation; due diligence for environmentally-impaired properties; groundwater and industrial wastewater treatment; and environmental regulatory compliance services. He holds a BS in Chemical Engineering from the University at Buffalo. He is currently a Vice President and Principal Engineer for Roux (2023- present). Mr. Forbes' investigations and cleanups have included well over 250 sites contaminated with a wide range of materials, including per- and polyfluoroalkyl substances (PFAS), chlorinated solvents, polyaromatic hydrocarbons, polychlorinated biphenyls (PCBs), dioxins, heavy metals, cyanide, radioactive isotopes, and petroleum contamination. He has evaluated and successfully implemented cost-saving and innovative treatment technologies on a conventional and design-build basis (e.g., in situ and ex situ physical-chemical, thermal, and biological treatment), as well as removal and containment methods for remediation. Mr. Forbes has also played an instrumental role in extending and improving the New York State Brownfield Cleanup Program (BCP) through voluntary consulting efforts with congressional and senate leaders, as well as the New York State Department of Environmental Conservation (NYSDEC). He has also assisted numerous manufacturing and pharmaceutical clients through the development of strategies, plans, and permit applications necessary to secure and maintain state and federal environmental regulatory compliance.

REPRESENTATIVE PROJECTS

- Project manager for remedial investigation, alternatives analysis, and remedial construction to facilitate redevelopment of over 450-acres of former Bethlehem Steel Corp manufacturing site property encompassing 33 separate Brownfield Cleanup Program (BCP) sites in Lackawanna, New York. Contaminants of concern primarily include petroleum organics, solvents, PCBs, and heavy metals. Currently managing remediation of over 500 acres of additional property under an NYSDEC RCRA Corrective Action Program.
- Expert witness to legal defense team for a former electronic parts manufacturer under suit by Orange County Water District, Fullerton, California for primary drinking water aquifer contamination by chlorinated solvents and emergent organic contaminants. Served as technical consultant during mediation and settlement discussions; prepared expert report and lead technical arguments on behalf of defendant to support claim dismissal.
- Project manager for remediation of spill area soils associated with the Lehigh Valley Railroad Derailment National Priority List (NPL) Site in LeRoy, New York. Developed and implemented a USEPA-approved comprehensive remedial design to address chlorinated solvents in site soils via in situ soil vapor extraction.
- Assisted confidential client's legal counsel negotiate a consent decree with New Mexico Environment Department related to cleanup of chlorinated solvent releases to overburden and the fractured bedrock aquifer from a former manufacturing operation in Albuquerque, NM. Presently assisting in management of in situ groundwater cleanup and monitoring work.

- Project Officer for BCP remediation and civil engineering design on a former industrial property to facilitate construction of a 290,000 SF manufacturing building which currently produces a consumer cleaning product for Proctor & Gamble.
- Serve as primary environmental consultant and environmental regulatory compliance manager for a Fortune 500 pharmaceutical manufacturing company in Western New York.
- Assisted in development of an in situ PFAS stabilization pilot test and Remedial Design Work Plan for a western New York Brownfield Cleanup Program Site impacted by suspected firefighting foam practice operations.
- Successfully designed and implemented groundwater pump and treat systems incorporating advanced oxidation processes to remove organic solvents and emerging contaminants at a former municipal landfill and at a former superfund site in central New York.
- Supervised monitoring and remedial measures during redevelopment of the Riverbend Site in Buffalo, New York for a new solar panel and battery system manufacturing operation. Developed a technologically enhanced naturally occurring radioactive material (TENORM) reuse work plan and variance application, which was the first ever employed in New York State. The plan was accepted by New York State, saving tens of millions in disposal costs.
- Served as Project Officer for NYSDEC Brownfield Cleanup Program (BCP) investigation and remediation of 441 Ohio Street, a former freight house located along the Buffalo River. Remedial activities included bank reshaping, hotspot soil/fill removal, and cover system placement to allow redevelopment as a residential apartment building.
- Serving as Project Officer for remedial investigation and cleanup activities at 1176 South Park Avenue, an NYSDEC BCP Site and the location of a former large-scale petroleum storage facility located on the Buffalo River.
- Served as Project Officer for NYSDEC Brownfield Cleanup Program (BCP) investigation and remediation of the former Millard Fillmore Gates Circle hospital complex in Buffalo, New York.
- Project officer for NYSDEC BCP investigation and cleanup of 154 South Ogden Street in concert with construction of the South Buffalo Charter School.
- Project manager for RI/FS, remedial design, and remedial construction at the Sycamore Village Site, a 4-acre New York State Environmental Restoration Program (ERP) site in Buffalo, New York. Responsible for all technical and administrative aspects of the project, involving removal of over 18,000 cubic yards of soil from an impacted residential neighborhood and site restoration.
- Served as project manager and supervising contractor for design-build remedial activities at the Markhams National Priority List (NPL) site in Dayton, NY. Successfully implemented remedial measures leading to USEPA-designated Preliminary Site Closeout status in October 2008 and delisting in 2009.
- Served as project manager representing multiple potential responsible party (PRP)-led remedial construction activities to address heavy metal and chlorinated solvent impacts at the Peter Cooper Landfill NPL site. Responsible for oversight and coordination of RI/FS planning and implementation activities, lead technical contact with USEPA, and remedial measures design and construction. Achieved site closeout in 2011.
- Assisted in the development of a voluntary cleanup plan for remediation of a 120-acre former steel manufacturing site in Buffalo, New York which was contaminated with volatile organic compounds, heavy metals, poly-nuclear aromatic hydrocarbons. Specific assistance involved design of a groundwater remediation system to address VOC and SVOC source area impacts proximate to a residential neighborhood and development and implementation of a Community Air Monitoring Plan involving quantitative monitoring (Summa Canister and respirable particulate analysis) and qualitative monitoring (field instruments).
- Served as Project Manager for RI/FS and cleanup activities related to solvent releases from a former paint and specialty coatings manufacturing facility in Buffalo, New York. The work, carried out under NY State Superfund program, included in situ treatment of soils and groundwater impacted by chlorinated and non-chlorinated volatile organics and heavy metals.
- Currently serving as Project Manager for New York State Voluntary Cleanup efforts for chlorinated solvent cleanup at a former degreasing and electroplating facility in Rochester, NY. Designed and implemented interim remedial measures involving low-profile air stripping and in situ hydrogen infusion.
- Served as Project Manager for multiple EPA Pilot-Grant funded investigations for City of Buffalo Department of Strategic Planning.
- Managed design-build cleanup of former New 7th Street Brownfield Cleanup Program Site in Buffalo, New York. The project involved design-build removal of several hundred tons of petroleum-impacted soil and fill material and preparation of related engineering reports resulting in Certificate of Completion issuance.

- Led remedial efforts for petroleum releases at a Western New York refinery and major oil storage facility, achieving site inactivation within 3 months of the release.
- Managed spill site investigation and cleanup work including underground storage tank removal work at numerous petroleum and chemical spill sites in Western New York.
- Led design-build construction of a 5 MGD capacity cooling water pH adjustment system for PVS Chemical Corporation. The project included design of feed forward pH control system, adjustment tank and mixer construction, process, and chemical feed piping modifications to neutralize sulfuric acid discharges. Successfully implemented startup and demonstration testing.
- Designed a 75 gpm groundwater treatment system and served as quality assurance officer for remedial efforts at the Steelfields site (former LTV Steel/Hanna Furnace Site), Buffalo, New York. The treatment system removes petroleum-based volatile organic and semi-volatile organic compounds prior to discharge to the Buffalo Sewer Authority.
- Assisted the City of Buffalo Department of Community Development in implementing an emergency PCB-contaminated soil removal effort from a residential neighborhood in Buffalo, New York. Responsibilities included coordination of hazmat excavation contractor and secure landfill, preparation of an emergency excavation and confirmatory sampling plan, and oversight of community air monitoring during the removal work.
- Performed a Feasibility Study and prepared an Engineering Design Report for remediation of PCB-contaminated soils and sediments at the Columbus McKinnon Corporation, Tonawanda, New York. Responsibilities included detailed evaluation of several remedial processes, completion of design calculations and remedial cost estimates, and preparation of a final report for submission to NYSDEC.
- Assisted in performance of a Feasibility Study for the West Valley Nuclear Demonstration Site. The Feasibility Study evaluated alternatives for remediation of groundwater contaminated with radioactive isotopes from a former containment area release.
- Assisted in the design and performed start-up of a groundwater remediation system for Moog, Inc., an aerospace parts manufacturer. The project, performed on a design-build basis, involved preparation of design plans, securing contractor bids for construction, and start-up of the remediation system, which incorporates filtration and air stripping to remove chlorinated volatile organic contaminants from groundwater.
- Designed and implemented groundwater monitoring well decommissioning procedures for the Love Canal site, Niagara Falls, New York. The project was performed on behalf of NYSDEC and included abandoning monitoring wells no longer used in the Love Canal landfill or in adjoining neighborhoods.
- Prepared an environmental monitoring plan for remediation of PCB-contaminated sediments in the St. Lawrence River along the General Motors, Inc. Powertrain Division facility in Massena, New York.
- Assisted in the performance of a Feasibility Study for remediation of volatile organic, PCB and heavy metal-contaminated soils and ground water at the Rochester Fire Academy, Rochester, New York.

PUBLICATIONS/PRESENTATIONS

Forbes, Thomas H. and Frappa, Richard H. "Innovative Remedial Measures for the Mercury Aircraft Site" Proceedings of the Purdue University 50th Annual Industrial Waste Conference, May 1995.

Frappa, Richard H., Forbes, Thomas H. and McManus, Anne Marie "A Blast to Remediate" Industrial Wastewater, July/August 1996.

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APPENDIX B

Previous Investigations

Phase I Environmental Site Assessment (ESA)

619 EXCHANGE STREET
BUFFALO, NEW YORK

July 2018 T0455-018-001

Prepared For: Park Grove Realty
46 Prince Street, Suite 2003
Rochester, New York 14607



Prepared By:

2558 Hamburg Turnpike, Suite 300, Buffalo, New York | phone: (716) 856-0635 | fax: (716) 856-0583

PHASE I ENVIRONMENTAL SITE ASSESSMENT
ASTM E1527-13

FOR
619 EXCHANGE STREET
BUFFALO, NEW YORK

July 2018 T0455-018-001

Prepared for:

Park Grove Realty
46 Prince Street, Suite 2003
Rochester, New York 14607

Prepared by:

TurnKey Environmental Restoration, LLC
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Buffalo, New York 14218

PHASE I ENVIRONMENTAL SITE ASSESSMENT
619 EXCHANGE STREET
BUFFALO, NEW YORK

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BUFFALO, NEW YORK

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List of Acronyms

ACMs - Asbestos Containing Materials

AIRS- Aromatic Information Retrieval System

AST - Aboveground Storage Tank

ASTM - American Society for Testing and Materials

BCA- Brownfield Cleanup Agreement

BCP- Brownfield Cleanup Program

TurnKey - TurnKey Environmental Engineering & Science, PLLC

BTEX - Benzene, toluene, ethylbenzene, and xylenes

CAA – Clean Air Act

CAMP- Community Air Monitoring Plan

CBS - Chemical Bulk Storage

C/D- Construction and Demolition

CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act

CERCLIS - Comprehensive Environmental Response, Compensation, and Liability Information System

CESQG - Conditionally Exempt Small Quantity Generator

CFR- Code of Federal Regulation

COC- Certificate of Completion

CO2- Carbon Dioxide

CP- Commissioner Policy

CSCOs – Commercial Soil Cleanup Objectives

CVOC- Chlorinated Volatile Organic Compound

CORRACTS - Corrective Action

CPG - Certified Professional Geologist

CREC - Controlled Recognized Environmental Condition

DER- Division of Environmental Remediation

DNAPL- Dense Non-Aqueous Phase Liquid

EC- Engineering Control

ECL- Environmental Conservation Law

ECHO- Enforcement and Compliance History Information

ELAP- Environmental Laboratory Approval Program

EDR - Environmental Data Resources, Inc.

ERNS - Emergency Response & Notification System

ESA – Environmental Site Assessment

ETPH - Extractable Total Petroleum Hydrocarbons

FBGS - Feet below ground surface

FIFRA - Federal Insecticide, Fungicide, & Rodenticide Act

FINDS - Facility Index System/Facility Registry System

FOIA - Freedom of Information Act

FOIL - Freedom of Information Letter

FOP- Field Operating Procedure

NYSDOH - New York State Department of Health

NYSDOL - New York State Department of Labor

O&M- Operations and Maintenance

OM&M- Operation, Maintenance, and Monitoring

OPRA - Open Public Records Act

OSHA - Occupational Safety and Health Administration

PAH - Polycyclic aromatic hydrocarbons

PBS - Petroleum Bulk Storage

PCBs - Polychlorinated Biphenyls

pCi/L - picoCuries per Liter

PERC - Tetrachloroethylene (perchloroethylene)

PID - Photo-Ionization Detector

PPB - Parts Per Billion

PPM - Parts Per Million

PRP - Potentially Responsible Party

PRR- Periodic Review Report

PVEC - Potential Vapor Encroachment Condition

QA/QC- Quality Assurance/Quality Control

QAPP- Quality Assurance Project Plan

RAO- Remedial Action Objective

RAWP- Remedial Action Work Plan

RCRA - Resource Conservation and Recovery Act

RCRIS - Resource Conservation and Recovery Information System

REC - Recognized Environmental Condition

RI- Remedial Investigation

RI/FS- Remedial Investigation/Feasibility Study

ROD- Record of Decision

RP- Remedial Party

RRSCOs – Restricted Residential Soil Cleanup Objectives

RSCOs – Residential Soil Cleanup Objectives

RSO- Remedial System Optimization

SAC- State Assistance Contract

SACM - Suspect Asbestos Containing Material

SCG- Standards, Criteria, and Guidelines

SCO- Soil Cleanup Objective

SEMS - Superfund Enterprise Management System (FKA CERCLIS)

SHPO - State Historic Preservation Office/Officer

SHWS - State Hazardous Waste Site

SMP- Soil Management Plan

SOP- Standard Operating Procedures

SOW- Statement of Work

FTTS- FIFRA/TSCA Tracking System	**SPCC** - Spill Prevention Control and Countermeasure
FWS - Fish and Wildlife Service	**SPDES** - State Pollution Discharge Elimination System
GIS - Geographic Information Systems	**SQG** - Small Quantity Generator
HASP- Health and Safety Plan	**SSD**- Sub-slab Depressurization
HREC – Historic Recognized Environmental Condition	**SVE** - Soil Vapor Extraction
HSWDS - Hazardous Waste Disposal Site	**SVI**- Soil Vapor Intrusion
HVAC - Heating Ventilation and Air Conditioning	**SVOC** - Semi volatile Organic Compound
IC- Institutional Control	**SWF/LF** - Solid Waste Facility/Landfill
ICIS - Integrated Compliance Information System	**SWRCY** - Registered Recycling Facility List
IRM - Interim Remedial Measure	**TAL**- Target Analyte List
ISCOs – Industrial Soil Cleanup Objectives	**TCL**- Target Compound List
LBP - Lead-Based Paint	**TCE** - Trichloroethylene
LNAPL- Light Non-Aqueous Phase Liquid	**TCLP** - Toxicity Characteristic Leachate Procedure
LQG - Large Quantity Generator	**TRIS** - Toxic Chemical Release Inventory System
LTANK - Leaking Tank	**TSCA** - Toxic Substance Control Act
LUST - Leaking Underground Storage Tank	**TSDF** - Treatment, Storage and Disposal Facility
MOSF - Major Oil Storage Facility	**TurnKey** - TurnKey Environmental Restoration, LLC
MSDS - Material Safety Data Sheets	**USCOs** – Unrestricted Soil Cleanup Objectives
MTBE - Methyl Tertiary Butyl Ether	**USDA** - United States Department of Agriculture
NA - Not Available/Applicable	**USEPA** - United States Environmental Protection Agency
NPDES - National Pollutant Discharge Elimination System	**USGS** - United States Geological Survey
NPL - National Priorities List	**UST** - Underground Storage Tank
NRCS - Natural Resource Conservation Service	**VCP** - Voluntary Cleanup Program
NYCRR- New York Codes, Rules, and Regulations	**VEC** - Vapor Encroachment Condition
NYSDEC - New York State Department of Environmental Conservation	**VOC** - Volatile Organic Compound

1.0 EXECUTIVE SUMMARY

The following details the findings of TurnKey relative to identifying RECs for 619 Exchange Street, Buffalo, Erie County, New York (Site).

1.1 General Information

TurnKey has performed a Phase I ESA of the Site in conformance with the scope and limitations of ASTM Practice E 1527-13 and the protocols required by the Client. This section summarizes the findings of the environmental professional relative to the Site. The reader is encouraged to read the entire report.

1.2 Site Description

The Site is located in a highly developed commercial and industrial area of the City of Buffalo, New York (see Figure 1). As shown on Figure 2, one structure with three sections is currently present on the Site. The existing building is used by K.W. Textile, Inc. for textile warehousing/distribution and office. Section 1 is a four-story structure and contains warehouse and office space with shipping/receiving and storage operations. Section 1 also contains a basement with additional storage and mechanical rooms. Section 2 is a four-story structure with warehouse space. Section 3 is a one-story structure with a mezzanine also used as warehouse space. These sections are utilized as additional storage areas for K.W. Textile, Inc. Sections 2 and 3 do not contain basements.

The Site consists of one parcel totaling 0.72-acres and is supplied with municipal sanitary sewer, electric, natural-gas and public water. Information relative to the specific parcel subject to this assessment, as provided by the City of Buffalo municipal offices, is provided below:

Number	Street	Tax ID No.	Current Owner	Current Use
619	Exchange Street	122.25-2-11	M.U. Partners	Warehouse and office

1.3 Data Gaps

The following data gaps[1] were identified in completion of this inquiry.

Type of Data Gap	Details of Data Gap	Sources Consulted	Significance
Historical Information	Historical information for the Site was not available at five-year intervals.	City directories, aerial photographs, Sanborn maps, and municipal information.	This data gap did not significantly limit TurnKey's ability to provide an opinion on RECs related to the Site.
Site Reconnaissance	Parked vehicles, stored materials/equipment, and dense vegetation hindered observations at the time of the Site reconnaissance.	Site reconnaissance	This data gap did not significantly limit TurnKey's ability to provide an opinion on RECs related to the Site.

1.4 Environmental Report Summary

1.4.1 Summary of Site Reconnaissance Potential Concerns

The following potential environmental concerns were identified at the time of the Site reconnaissance:

- Cut copper lines, possibly feed lines to a fuel oil tank, were noted proximate to the boiler system within the basement of Section 2. In addition, a 5,000-gallon fuel level gauge was observed on the boiler room wall; the gauge needle read empty at the time of the site visit. A concrete vault with two ceiling manholes was noted adjacent to the boiler room; TurnKey suspects, but could not confirm, that a fuel oil AST was formerly present within the vault. Pipes of unknown nature were noted within the vault. No visual or olfactory concerns were noted within the vault or proximate to piping.
- Unknown metal brackets were noted in two locations along the northern wall of the building, which is fronted by Exchange Street. Specifically, a set of three brackets

[1] A data gap is defined by 40 CFR 312.10 as "a lack of or inability to obtain information required by the standards and practices" of preparation of this document "despite good faith efforts by the environmental professional" or others to gather such information.

was located approximately 45-feet from the northwest corner of the building and approximately 30-feet above ground-level and a set of two brackets was located approximately 265-feet from the northwest corner of the building and approximately 20-feet above ground-level. Based on the nature of the brackets along with their locations and heights along the north building wall, TurnKey suspects, but could not confirm, that the brackets are electrical related as opposed to an environmental concern such as a tank.

- An unknown threaded candy cane pipe, possibly a vent pipe, was noted protruding from the south exterior wall of Section 1, near the basement boiler room of Section 2. The nature of the suspect vent pipe is unknown. Additional unknown piping was noted throughout the building. No concerns (staining, odors, etc.) were noted proximate to the piping.
- An unknown concrete filled circular metal disturbance was observed off the north wall of the building (near the northeast corner) proximate to the current natural-gas service. The exact nature of the disturbance is unknown; however, TurnKey suspects that such could be utility-related.
- Staining and debris was observed within the basement mechanical rooms proximate to former boiler areas and existing floor drains. Standing water was observed within a basement mechanical room in the central area of the building.
- Minor staining was observed on a wooden floor surface within the second-floor storage area of the building. Two elevator pits were observed within the basement of the building. TurnKey noted minor black staining and standing water on the floor surface within the elevator pits. No elevator machinery was located inside the elevator pits as this machinery was located on the rooftop. Black staining was observed on the roof surface within elevator mechanical rooms.
- Adjacent operations include railroad tracks and steel fabrication.

1.4.2 Summary of Historic Uses

Approximate Years	Reported or Suspected Site Use	Owner/Occupant
At least 1889 to prior to 1899	Commercial and industrial. Sanborn maps indicate an ice house with two outbuildings and a railroad extension spur at the Site.	Unknown
Prior to 1899 to 1908	Residential and vacant. Sanborn maps indicate three residential structures at the Site.	Unknown
1908- current	The existing building, constructed in 1908 with additions in 1924, was historically used by Iroquois Door Co. with operations including, mill work, storage, planning and woodworking, and lumber storage from at least 1926 through at least 1986. Records associated with building additions indicate use of the Site as a factory.	Historic owners/occupants include The Iroquois Door Co., W.G. Wilson, Otis Bedding Mfg., Ken's Sports Warehouse and Copeland Family Services, and ECIDA. The current property owner is M.U.

	An additional historic occupant, Otis Bedding Manufacturing Co., Inc., occupied the Site from at least 1992 through at least 2014. Ken's Sports Warehouse occupied the Site from at least 2008 through at least 2010 and Copeland Family Services occupied the Site in at least 2010. Municipal records indicate wiring of an oil burner in 1979. The current occupant, K.W. Textile, Inc., a textile distribution warehouse, has occupied the Site since at least 2001. A 1997 building permit document indicates textile manufacturing at the Site; this is the only document that references textile manufacturing; therefore, TurnKey is unsure if on-Site operations in 1997 were similar to current uses with textile warehousing/distribution or if actual textile manufacturing was completed on-Site.	Partners and the current occupant is K.W. Textile, Inc.

1.4.3 Regulatory Information

Site Listings

No regulatory listings were identified for the Site.

Adjacent Property Listings

Adjacent Database Listings	Address/Name	Summary
NY Spills	Larkin & Exchange Streets/Abandoned Drums	NYSDEC Spill No. 9612609, dated January 22, 1997, involved discovery of four abandoned drums which contained solids, sludge, and liquids. Listing details reference ALP Steel; therefore, TurnKey suspects that this listing involves the north adjacent property. One drum was noted to be leaking. Contents were analyzed and the drums and contents were disposed. The spill was classified as "closed" by the NYSDEC on December 2, 1997.
RCRA-CESQG, FINDS, ECHO, NY Manifest, PA Manifest	650 Exchange St./ALP Steel Corp.	The ALP Steel Corp. is classified as a conditionally exempt small quantity generator of hazardous waste. Documented wastes include ignitable hazardous waste and lead. Two written informal violations are documented on January 12, 2001 and April 12, 1991. Both violations were determined to achieve compliance. The ALP Steel Corp. is also included in the FINDS, ECHO, and NY Manifest databases. PA Manifest records indicate the following wastes shipped off-site to Lewisberry, PA in metal drums,

		barrels, and kegs: - 210-gallons of ignitable waste (D001) generated on May 31, 2016. - 165-gallons of ignitable waste (D001) generated on October 23, 2013. - 150-gallons of chromium (D007) generated on May 2, 2012. - 150-gallons of lead (D008) generated on May 2, 2012. - 165-gallons of lead (D008) generated on December 17, 2009. - 165-gallons of ignitable waste (D001) generated on December 17, 2009. - 165-gallons of chromium (D007) generated on December 17, 2009. - 110-gallons of lead (D008) generated on November 21, 2007. - 110-gallons of chromium (D007) generated on November 21, 2007.

1.4.4 Interviews/Questionnaires

The current property owner completed TurnKey's Environmental Questionnaire and identified the Site as having a history of warehouse activities. TurnKey understands that the existing building is slated to be converted into residential use.

1.5 Report Findings

Where applicable for the Site, the following is a list of RECs, CRECs, HRECs, and de minimis conditions. Non-scope considerations are also provided.

RECs

Per ASTM E1527, a REC is the presence or likely presence of any hazardous substances or petroleum products in, on, or at a property: (1) due to release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment.

TurnKey's investigation revealed the following RECs in connection with the Site:

- The building has a long history of woodworking, planing, and milling operations. Such activities could result in environmental impacts beneath the building slab due to the reasonably anticipated use of woodworking machinery and chemicals such as wood preservatives, stains, paints, etc.

- Evidence of historic fuel oil heat including cut copper lines and a suspect 5,000-gallon fuel gauge. Tank-related information is unavailable. TurnKey suspects, but could not confirm, that an AST was formerly present within a vault proximate to the boiler room within the basement of Section 2.
- The threaded suspect vent pipe observed protruding from the south wall of the building is considered a REC as the nature of the pipe is unknown.
- Prior to the current on-Site development, railroad tracks bisected the Site.

Controlled RECs

Per ASTM E1527, a CREC is a REC resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk-based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).

TurnKey's ESA did not reveal CRECs for the Site.

Historic RECs

Per ASTM E1527, a HREC is a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls). For example, a spill that has been remediated to the satisfaction of the appropriate regulators would be considered a HREC.

TurnKey's investigation revealed the following HRECs for the Site:

- The "closed" and "inactive" spill incidents identified for adjacent/nearby properties are considered HRECs as such have been addressed to the satisfaction of the NYSDEC.

De-minimis Conditions

In accordance with ASTM E-1527, de-minimis conditions are conditions that generally do not present a threat to human health or the environment and generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de-minimis conditions are neither RECs nor CRECs.

TurnKey's investigation revealed the following de-minimis conditions for the Site:

- Stained surfaces within the building should be cleaned and any impacted materials should be properly disposed of off-site.
- Miscellaneous debris within the building, including debris within the elevator pit, should be segregated and properly disposed of off-site.
- Standing water issues within the building should be addressed to prevent mold growth within the building.
- The circular concrete-filled metal disturbance located north of the building is considered de-minimis as such is anticipated by TurnKey to be utility-related due to its proximity to the current natural-gas service.
- The metal brackets noted along the north wall of the building are considered de-minimis as TurnKey suspects that such are utility/electric-related due to their heights and locations along the north building wall.

Non-Scope Considerations

Per ASTM E1527-13, non-scope considerations are described as ancillary observations during performance of the on-site investigation. Non-scope considerations are not considered RECs under ASTM E1527, but may represent health or environmental issues impacting the Site and/or property value.

TurnKey's investigation identified the following non-scope considerations:

- Based on the ages of the existing buildings, the potential for suspect ACMs and lead exists. Asbestos and/or lead, if present, should be properly handled as part of future renovation/demolition activities.
- No visual evidence of mold was noted at the time of the Site reconnaissance. However, musty odors and areas with moisture and standing water were observed in the basement of the building.
- No wetland or flood zone areas were identified on-site or adjacent to the Site.

- Research in the area of the Site completed by the New York State Department of Health - Bureau of Environmental Radiation Protection (Radon) suggests an average basement radon concentration of 1.14 pCi/L in the area of the Site, which is below the USEPA action level of 4.0 pCi/L. As such, radon is not anticipated to be a concern.

1.6 Opinion

Due to the history of the Site along with evidence indicative of fuel oil heat, a Phase II Environmental Investigation is warranted on-Site to assess subsurface conditions.

2.0 INTRODUCTION

2.1 Purpose

The primary purpose of this assessment was to provide Park Grove Realty with sufficient information about the potential environmental risks associated with the Site.

A secondary purpose of this study was to document the inquiry of the environmental professional for all appropriate inquiries for the Site. Specifically, this document is intended to provide the "all appropriate inquiries" for the purposes of CERCLA Section 101(35)(B). Such is applicable to persons seeking to qualify for: (i) the innocent landowner defense pursuant to CERCLA Sections 101(35) and 107(b)(3); (ii) the bona fide prospective purchaser liability protection pursuant to CERCLA Sections 101(40) and 107(r); and (iii) the contiguous property owner liability protection pursuant to CERCLA Section 107(q). This report was not intended as part of the Site characterization and assessment with use of a grant awarded under CERCLA Section 104(k)(2)(B). More specifically, the scope is intended to identify conditions indicative of releases or threatened releases of hazardous substances in, on, or at the Site.

2.2 Scope of Work

The scope of work is intended to identify RECs at the Site, including the following tasks:

A) Review of information provided by the User of this Report regarding commonly known or reasonably available information about the Site.
B) Interviews with past and present owners, operators and occupants (if available).
C) Review of historical sources of information documenting the Site's use.
D) Review of Federal, State, tribal and local government records.
E) A visual inspection of the Site and adjoining properties (to the extent possible).
F) Preparation of this written report.

2.3 Significant Assumptions

No significant assumptions were made during completion of this study other than as identified Section 2.4.

2.4 Limitations and Exceptions

2.4.1 Limitations

To the extent of our knowledge, the information contained in this Report is true and accurate. TurnKey personnel have exercised due diligence in the compilation of the information contained herein appropriate to environmental professionals engaged in investigations of this nature. TurnKey makes no guarantees regarding the accuracy of information gained from other sources.

This Phase I ESA is based on current and historical information reviewed by TurnKey and their Site inspection. This Report is not to be considered an environmental audit of the Site or a complete environmental investigation of the Site. Further, the purpose of this assessment is not to proclaim a property is devoid of environmental impact but rather to identify RECs, as defined above.

This Phase I ESA makes no warranties nor implies any liability regarding:

1. Site specific practices and/or disposal methods of the past or future owners.
2. Adjacent property owners, their environmental practices and/or impact of such properties and practices on the subject property other than observed from the subject property.
3. Unreported spills.
4. Practices, waste disposal, environmental concerns and/or modifications to waste site indexes after the date on this Report.
5. Site groundwater or soil conditions.
6. Accuracy or completeness of information supplied to TurnKey by others.
7. Environmental conditions in areas not practically or safely accessible.
8. Accuracy of previous studies (if any) provided to TurnKey.

This Report is also subject to any and all limitations defined within ASTM E1527-13. This includes, but is not limited to, the limitation that this Report is intended to identify environmental conditions at a specific time and is only valid for a period of six months from the date of issuance.

The principles defined within ASTM E1527-13, and followed within this study, include the following.

- This practice is intended to reduce, but not eliminate, uncertainty regarding the potential for RECs in connection with a property.
- All appropriate inquiry does not mean an exhaustive assessment of a clean property. One of the purposes of this practice is to identify a balance between limiting costs/time and the reduction of uncertainty about unknown conditions.
- The level of inquiry is variable and depends on the type of property, risk level of the user and information developed in the course of the inquiry.
- Subsequent environmental assessments should not be used as standards to evaluate the appropriateness of prior inquiries based on hindsight, new information or new techniques.

2.4.2 User Responsibilities

The following information is the responsibility of the user and not of the environmental professional. This information may be provided by the user to the environmental professional for use in the final opinion of the all appropriate inquiry. If the information is not provided by the user, the environmental professional's ability to render such an opinion may be hindered and identified as a data gap.

- Searches for environmental cleanup liens against the subject property that are filed or recorded under any Federal, State, tribal, or local law, as required by 40 CFR Section 312.25.
- Assessments of any specialized knowledge or experience on the part of the landowner, as required by 40 CFR Section 312.28.
- An assessment of the relationship of the purchase price to the fair market value of the subject property, if the property was not contaminated, as required by 40 CFR Section 312.29.
- An assessment of commonly known or reasonably ascertainable information about the subject property, as required by 40 CFR Section 312.30.

2.4.3 User Protections

Persons claiming the liability protections under CERCLA must meet the statutory requirements of one of the following landowner liability protections. [It should be noted that the user must also satisfy certain continuing obligations outside the scope of this Phase I Environmental Assessment, as required by CERCLA].

- The innocent landowner defense pursuant to CERCLA Sections 101(35) and 107(b)(3).
- The bona fide prospective purchaser liability protection pursuant to CERCLA Sections 101(40) and 107(r).
- The contiguous property owner liability protection pursuant to CERCLA Section 107(q).

2.5 Deviations

There were no deviations from the ASTM 1527-13 standard during the completion of this study except that a regulatory file review was not completed. Specifically, while a NYSDEC file review would typically be required under the ASTM standard for Site and adjacent property regulatory listings, such was not completed by TurnKey as: regulatory listings were not identified; completion of the file review was not anticipated to provide new or significant information; or records were not considered reasonably ascertainable in the timeframe of the report deliverable.

2.6 Special Terms and Conditions

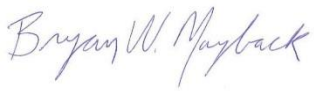
The work was completed in accordance with TurnKey's proposal dated June 22, 2018.

2.7 Reliance, Certification, and Declaration

This report was prepared for the exclusive use of Park Grove Realty, their respective affiliates and subsidiaries, and all successors and assigns thereof. Any other use, or using this Report in a fashion in which it was not intended, is at the sole risk of the user. Reliance may only be granted upon written consent and is subject to those same terms and conditions as expressed in the proposal dated June 22, 2018.

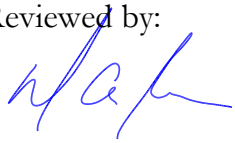
We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in 40 CFR 312.10. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history and setting of the Site. We have developed and performed the all-appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared by:



Bryan Mayback
Senior Project Scientist

Reviewed by:



Michael A. Lesakowski
Principal

3.0 SITE/VICINITY DESCRIPTION

3.1 Location and Legal Description

The Site is located in the City of Buffalo, New York and consists of one individual tax parcel legally described as Parcel No. 122.25-2-11.

3.2 Activity/Use Limitations

TurnKey is not aware of any institutional controls or activity/use limitations imposed against the referenced Site.

3.3 Site and Vicinity Description

The Site is located in a highly developed commercial and industrial area of the City of Buffalo, New York (see Figure 1). As shown on Figure 2, one structure with three sections is currently present on the Site. The existing building is used by K.W. Textile, Inc. for textile warehousing/distribution and office. Section 1 is a four-story structure and contains warehouse and office space with shipping/receiving and storage operations. Section 1 also contains a basement with additional storage and mechanical rooms. Section 2 is a four-story structure with warehouse space. Section 3 is a one-story structure with a mezzanine also used as warehouse space. These sections are utilized as additional storage areas for K.W. Textile, Inc. Sections 2 and 3 do not contain basements.

The Site consists of one parcel totaling 0.72-acres and is supplied with municipal sanitary sewer, electric, natural-gas and public water. The Site is further described in the table below:

General Site Information	
Site Addresses	619 Exchange Street
Municipality, County, State	Buffalo, Erie County, New York
Current Site Use	Warehouse and office
Fronting Streets	Exchange Street and Larkin Street
Site Size	0.72-acres (per municipal information)
Site Topography	Generally, level at grade.
General Site Elevation (feet above mean sea level)	595
Nearest Water Body	Buffalo River located approx. 0.80 miles south of the Site
Improvements	Concrete sidewalks. The existing building virtually occupies the

	entire subject parcel.

3.4 Current Use of Property

The Site, as further described below, is currently used as a commercial warehouse with office space.

Number	Street	Tax ID No.	Current Owner	Current Use
619	Exchange Street	122.25-2-11	M.U. Partners	Warehouse and office

3.5 Description of Structures and Other Improvements

On-Site Building and Improvements Summary	
Building Number	Existing Building
Square Footage (approximate)	99,600 (per municipal information)
Building Identification/Use	Light industrial
No. of Stories	4
Basement	Partial basement consisting of the entire Section 1 and a boiler room in Section 2
Roof Type	Flat
Building Envelope	Poured concrete, concrete block, steel, and wood
Building Siding	Brick, cement tile, vinyl siding, aluminum
Heating System	Natural-gas
Building Construction Date	1908 with additions in 1924 (per municipal information)
Utilities Provided	Natural-gas, public water, municipal sanitary sewer and electric

3.6 Adjoining Property Information

The adjacent properties were visually inspected from the Site at the time of the Site reconnaissance. The surrounding property uses include the following:

Direction	Current Use	Apparent Past Use	Comments/Concerns
North	Manufacturing and processing – ALP Steel Corp.	Industrial (with filling station), commercial, and residential	Adjacent operations such as manufacturing, and railroad tracks could result in impacts to the environment.
South:	Commercial parking	Railroad	

East:	Commercial parking	Industrial	
West:	Railroad	Railroad	

4.0 USER PROVIDED INFORMATION

As required under 40 CFR 312, those seeking liability protection under CERCLA, for which this Report is prepared, must provide the environmental professional certain information and documentation. TurnKey requested information from Mr. Andrew I. Crossed of Park Grove Realty, representing the User, with responses to that inquiry as follows:

4.1 Environmental Liens

According to Mr. Crossed, there are no environmental cleanup liens against the Site that are filed or recorded under federal, tribal, state or local law.

4.2 Activity Use Limitations

According to Mr. Crossed, there are no engineering controls, land use restrictions or institutional controls in place, filed or recorded under federal, tribal, state or local law.

4.3 Specialized knowledge or experience

Mr. Crossed does not have specialized knowledge or experience related to the Site or nearby properties.

4.4 Purchase Price

Mr. Crossed indicated that the purchase price being paid for the property reasonably reflects the fair market value of the property.

4.5 Commonly Known or Reasonably Ascertainable Information

Mr. Crossed is not aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases at the Site.

4.6 Obvious Indicators

Mr. Crossed is not aware of any obvious indicators that point to the presence or likely presence of contamination at the property.

Appendix G includes the completed user questionnaire.

5.0 RECORDS REVIEW

5.1 Standard Environmental Records Sources

Federal and state environmental regulatory information provided by Environmental EDR was reviewed at the radii defined in 40 CFR 312.26 (see Appendix A). Any sites unplottable by EDR were also reviewed, to the extent practical based on the site name and address, to assess whether they are also present within their appropriate radii. Any relevant listings such as those for the Site or any adjacent sites are included in the following table. Refer to Appendix A for complete acronym definitions.

Site Listings

No regulatory listings were identified for the Site.

Adjacent Property Listings

Adjacent Database Listings	Address/Name	Summary
NY Spills	Larkin & Exchange Streets/Abandoned Drums	NYSDEC Spill No. 9612609, dated January 22, 1997, involved discovery of four abandoned drums which contained solids, sludge, and liquids. Listing details reference ALP Steel; therefore, TurnKey suspects that this listing involves the north adjacent property. One drum was noted to be leaking. Contents were analyzed, and the drums and contents were disposed. The spill was classified as "closed" by the NYSDEC on December 2, 1997.
RCRA-CESQG, FINDS, ECHO, NY Manifest, PA Manifest	650 Exchange St./ALP Steel Corp.	The ALP Steel Corp. is classified as a conditionally exempt small quantity generator of hazardous waste. Documented wastes include ignitable hazardous waste and lead. Two written informal violations are documented on January 12, 2001 and April 12, 1991. Both violations were determined to achieve compliance. The ALP Steel Corp. is also included in the FINDS, ECHO, and NY Manifest databases. PA Manifest records indicate the following wastes shipped off-site to Lewisberry, PA in metal drums, barrels, and kegs: - 210-gallons of ignitable waste (D001) generated on May 31, 2016. - 165-gallons of ignitable waste (D001) generated on October 23, 2013. - 150-gallons of chromium (D007) generated

		on May 2, 2012. - 150-gallons of lead (D008) generated on May 2, 2012. - 165-gallons of lead (D008) generated on December 17, 2009. - 165-gallons of ignitable waste (D001) generated on December 17, 2009. - 165-gallons of chromium (D007) generated on December 17, 2009. - 110-gallons of lead (D008) generated on November 21, 2007. - 110-gallons of chromium (D007) generated on November 21, 2007.

Nearby Properties

Additional regulatory listings were identified for nearby properties. Brief summaries of the relevant listings are provided in the table below.

Nearby Database Listings	Address/Name	Summary
NY Spills and LTANKS	Numerous properties	Multiple properties within one-eighth mile of the Site have NYSDEC documented spills and/or leaking tanks. All spill incidents identified within the search radii for nearby properties are classified as "inactive" or "closed" by the NYSDEC.
RCRA NonGen/NLR, CESQG, SQG	Numerous properties	Multiple properties within one-eighth mile of the Site are listed as generators of hazardous waste. The properties listed either have no reported violations or in compliance with cleanup standards. Any wastes handled and shipped off-site are documented in the NY Manifest database.
Numerous Database Listings	Numerous properties	The numerous remaining regulatory listings were reviewed by TurnKey and none of the information suggested a specific environmental concern at the Site; see below for additional information.
SEMS, RCRA SQG, AIRS, Manifest	665 Perry Street/Tyson Food Inc.	This property is not on the NPL and is listed as a removal only site. There is no indication of an off-site concern. Further, this property is located over one-eighth mile from the Site.
SHWS, HSWDS, SEMS-Archive, RCRA CESQG, FINDS, ECHO, Manifest	300 Scott Street/Mollenberg – Betz, Inc.	Mollenberg – Betz historically used this property to steam clean commercial refrigeration equipment. Wash waters including oil and grease flowed directly onto the ground. In addition, was oil was used for dust control in parking lot areas. SHWS listing details indicate that "no environmental problems have been noted at this property." This property is located over one-quarter mile from the Site further

		reducing this concern.
US/NY Brownfields	Six properties	The following properties are listed as US or NY Brownfield sites: - New Era Cap Co. – 500 Seneca St. - Graphic Controls – Multiple addresses - 111 Hydraulic Street Project – 111 Hydraulic Street - Former American Linen Supply Company Facility – 822 Seneca Street - Silos at Elk Street Site – 50 Elk Street - 49 Leddy-Smith/Leddy – 49 Leddy Street None of the information related to the BCP listings indicates a specific environmental concern at the Site. All listed properties are greater than one-eighth mile from the Site further reducing this concern.

In addition to the nearby properties listed above, several additional sites located proximate to the Site are listed on one or more environmental databases. However, based on TurnKey's review, each of these additional sites falls in one or more of the following categories:

- It is listed on databases that indicate a potential for, but not an actual documented current or historical release (e.g., RCRA small quantity generator or large quantity generator; registered chemical bulk storage or petroleum bulk storage sites). As such, these sites are not considered to pose a REC at the Site due to absence of a documented release.
- It is located greater than one-eighth mile from the Site, and is not considered a REC based on the distance from the Site.
- It is present at a location that is not expected to pose potential for impact on the Site due to topography and likely groundwater flow direction, and is not considered a REC based on unlikelihood for impacts associated with migration of contaminants onto the Site.

The discussion included above regarding adjacent and surrounding properties is based on information supplied to TurnKey as well as observations of nearby properties at the time of the Site reconnaissance. Further study would be required to positively confirm whether the Site has been impacted by nearby properties. It is also important to note that the environmental history and status of nearby properties, real or perceived, can affect the valuation of the target property.

5.2 Additional Environmental Record Sources

To augment the information provided by EDR, a FOIA request was forwarded to the NYSDEC on June 25, 2018 for information concerning the Site (see Appendix B). The information obtained from the FOIA response appeared generally consistent with the Site regulatory listings summarized above.

TurnKey also completed a search on the NYSDEC website of readily available records for the Site, including an Environmental Site Database Search for spills, remedial sites and bulk storage facilities. A search of the USEPA Envirofacts website was also completed. No records involving the Site were identified.

5.3 Physical Setting Sources

Figure 1 shows the Site on an undated USGS Topographic Map, Buffalo SE Quadrangle. The Site is located in a highly developed industrial and commercial area. Due to extensive development in the area of the Site, individual structures are not shown on the map. The Site is located approximately 595 feet above mean sea level.

Groundwater flow is likely to the southwest toward the Buffalo River or consistent with topography in the area of the Site. Local groundwater flow, however, may be influenced by subsurface features, such as excavations, utilities, and localized fill-conditions.

5.4 Historical Use

The historical use of the Site has been researched through review of previous studies, historic Sanborn maps, historic aerial photographs, municipal records, historic topographic maps, and/or other reasonably obtainable documents. The following sections summarize TurnKey's research.

5.4.1 Historic Aerial Photographs

Historical aerial photographs serve to reveal former topography, buildings, structures and man-made works such as canals, lagoons and railroads that may have been altered or may no longer be in existence. Historical aerial photographs were obtained online through http://historicaerials.com/ for additional historical information relative to the Site and

surrounding area. It should be noted that visual observations were limited on some aerial photographs due to poor quality.

YEAR	OBSERVATIONS
1958-1966	
Site	The Site appears to be developed with existing building in its current configuration.
North	Industrial and commercial. Three individual structures are visible with associated parking and storage/staging areas.
South	Parking and storage/staging areas
East	Industrial and commercial. Two individual structures are visible with associated parking and storage/staging areas.
West	Railroad and industrial/commercial. A railroad is visible adjacent to the Site. One individual structure with associated parking and storage/staging areas is visible west of the railroad.
1995-2015	
Site	The Site is consistent with above.
North	Consistent with above.
South	Consistent with above.
East	The structure immediately adjacent to the Site appears to have been removed and developed into a parking lot.
West	Consistent with above.

5.4.2 Historical Sanborn Maps

Sanborn maps serve to reveal former buildings, building uses, and man-made works such as canals, lagoons and railroads that may have been altered or may no longer be in existence. Historic addresses or the Site were identified as 619 - 659 Exchange Street. The following table summarizes the maps. Appendix C includes copies of the Sanborn Maps provided by EDR.

YEAR	OBSERVATIONS
1889	
Site	The Site is developed with an ice house and two outbuildings on the eastern portion of the Site. A railroad spur from railroad tracks south of the Site runs east to west bisecting the Site.
North	Numerous residential and unidentified storefronts occupy the block.
South	Multiple railroad tracks are south of the Site. A large structure occupied by W.S. Sizer Steam Forge and multiple residential structures are shown south of the railroad.
East	Delaware & Hudson Canal Co.
West	Railroad tracks
1899	

Site	The Site is developed with three residential structures on the eastern portion of the Site. An additional outbuilding is shown west of the residential structures.
North	Adjacent properties appear consistent with above.
South	
East	
West	
1926	
Site	The Site appears to be developed with the existing building, which is occupied by The Iroquois Door Co. Operations include offices, mill work, storage, planning and woodworking, and lumber storage.
North	Operations include auto storage and repair from 646-658 Exchange Street. A filling station with pumps and two gasoline tanks is shown at 630 Exchange Street.
South	Railroad tracks remain south of the Site. One vacant residential structure, a shed, and a large machine shop (formerly The Sizer Steel Corporation) are south of the railroad.
East	The Delaware & Hudson Canal Co. is now shown as Wabash R.R. Freight.
West	As above.
1950	
Site	As above.
North	The block is developed with three individual structures. Operations and occupants include Lyons Transportation Co. Inc. and Niagara Motor Express Inc. motor freight stations, an unidentified storefront, and a truck body building and repair shop.
South	As above.
East	
West	
1981	
Site	As above.
North	One structure is shown with associated parking. Truck rental and repair operations are identified. The western portion of the block is shown as vacant.
South	As above.
East	
West	
1986	
Site	As above.
North	ALP Steel Corp. occupies the block with two individual structures shown. Operations are not identified.
South	As above.
East	Vacant
West	As above.

5.4.3 Historical City Directories

Historic city directories, dated between 1930 and 2014, were reviewed (generally in five-year intervals) through an EDR database search for additional information regarding the Site. Appendix D includes a copy of the abstract report. TurnKey also researched historic addresses identified for the Site through review of Sanborn maps.

Year		Listing(s)
1930-1985	659 Exchange Street	Iroquois Door Co.
1992	639 Exchange Street	Otis Bedding Mfg. Co. Inc.
	659 Exchange Street	Vacant
1998	639 Exchange Street	Otis Bedding Mfg. Co. Inc.
2001	639 Exchange Street	K.W. Textile (men/boy's clothing), Otis Bed Mfg. Company
2008	629 Exchange Street	Ken's Sports Warehouse Inc. (sportswear retail)
	639 Exchange Street	K.W. Textile Inc. (textiles wholesale)
2010	629 Exchange Street	Copeland Family Services Inc., Ken's Sports Warehouse Inc.
	639 Exchange Street	Otis Bed Manufacturing Co. Inc.
2014	629 Exchange Street	Ken's Sports Warehouse Inc.
	639 Exchange Street	Otis Bed Manufacturing Co. Inc.

5.4.4 Historical Topographic Maps

Due to the nature of the Site and other historical sources consulted, historic topographic maps were not reviewed as part of this assessment.

5.4.5 Municipal Records

Records readily available at the City of Buffalo municipal offices (Assessor, Building and Fire Departments) as well as records available online from the Erie County GIS were reviewed for additional information relative to the Site. TurnKey also researched historic addresses identified for the Site through review of Sanborn maps. Note that a FOIL was submitted to the City of Buffalo, as required, to access their records. The following summarizes municipal records provided to TurnKey at the time of this assessment; copies of the pertinent records are included in Appendix E.

- The Site, Tax ID No. 122.25-2-11, measures 0.72-acres and is currently owned by M.U. Partners.
- Past owners were identified as M.U. Partners, Erie County Industrial Development Agency (E.C.I.D.A.), Iroquois Door Co., Iroquois International, W.G. Wilson.

- The existing building, constructed in 1908 with additions in 1924, measures 99,600 square feet.
- The Site is supplied with natural-gas, municipal sanitary sewer, public water and electric.
- The following records associated with environmental concerns appear to involve the Site:
    - 1924 – 629 Exchange Street: building permit for the construction of a four-story factory.
    - 1924 – 629 Exchange Street: building permit for a two-story addition to a three-story mill construction factory.
    - 1979 – 659 Exchange Street: electrical permit to wire an oil burner.
    - 1997 –639 Exchange Street: building permit for repairs to a textile manufacturing facility.

TurnKey interviewed Mr. David Zafuto, Building Inspector relative to the Site on July 2, 2018. Mr. Zafuto has no additional knowledge of environmental concerns in association with the Site; additional information is provided below in Section 7.2.

5.4.6 Site History Provided by Site Contact

According to the site contact, Mr. Timothy Malchow, of Ciminelli Real Estate Corporation, the Site is currently and has historically been used for textile shipping and receiving purposes. The Site contact also indicated that no textile manufacturing has occurred since K.W. Textiles, Inc. has occupied the Site.

Section 7.1 includes additional information provided by the Site contact.

5.4.7 Abstract of Title

According to an Abstract of Title provided to TurnKey, historic commercial/industrial owners included the Erie County Industrial Development Agency, M.U. Partners LLC and M.U. Partners (current owner).

5.4.8 Previous Assessments

No previous studies involving the Site were provided to TurnKey.

5.4.9 Summary of Historic Uses

Approximate Years	Reported or Suspected Site Use	Owner/Occupant
At least 1889 to prior to 1899	Commercial and industrial. Sanborn maps indicate an ice house with two outbuildings and a railroad extension spur at the Site.	Unknown
Prior to 1899 to 1908	Residential and vacant. Sanborn maps indicate three residential structures at the Site.	Unknown
1908- current	The existing building, constructed in 1908 with additions in 1924, was historically used by Iroquois Door Co. with operations including, mill work, storage, planning and woodworking, and lumber storage from at least 1926 through at least 1986. Records associated with building additions indicate use of the Site as a factory. An additional historic occupant, Otis Bedding Manufacturing Co., Inc., occupied the Site from at least 1992 through at least 2014. Ken's Sports Warehouse occupied the Site from at least 2008 through at least 2010 and Copeland Family Services occupied the Site in at least 2010. Municipal records indicate wiring of an oil burner in 1979. The current occupant, K.W. Textile, Inc., a textile distribution warehouse, has occupied the Site since at least 2001. A 1997 building permit document indicates textile manufacturing at the Site; this is the only document that references textile manufacturing; therefore, TurnKey is unsure if on-Site operations in 1997 were similar to current uses with textile warehousing/distribution or if actual textile manufacturing was completed on-Site.	Historic owners/occupants include The Iroquois Door Co., W.G. Wilson, Otis Bedding Mfg., Ken's Sports Warehouse and Copeland Family Services, and ECIDA. The current property owner is M.U. Partners and the current occupant is K.W. Textile, Inc.

5.5 Environmental Liens

TurnKey is not aware of any formal environmental liens, enforcement action, civil, judicial or administrative enforcement cases in connection with the Site.

6.0 SITE RECONNAISSANCE

6.1 Methodology and Limiting Conditions

A visual review of the Site was completed to document Site conditions and identify potential RECs. The presence of parked vehicles, stored materials/equipment, and dense vegetation hindered observations of ground surfaces at the time of the Site reconnaissance.

6.2 General Site Setting

Mr. Chad Schuster of TurnKey performed the Site reconnaissance on July 2, 2018. TurnKey was accompanied by Mr. Timothy Malchow of Ciminelli Real Estate Corporation reportedly associated with the Site for approximately one year.

Appendix F includes photographs taken during the Site reconnaissance.

6.3 Site Visit Findings

6.3.1 Current On-Site Operations

One structure is present on the Site with three separate sections. All sections are interconnected and occupied by K.W. Textile, Inc. Section 1 is a four-story structure and contains warehouse and office space with shipping/receiving and storage operations. Section 1 also contains a basement with additional storage and mechanical rooms. Section 2 is a four-story structure with warehouse space. Section 3 is a one-story structure with a mezzanine also used as warehouse space. These sections are utilized as additional storage areas for K.W. Textile, Inc. Sections 2 and 3 do not contain basements.

6.3.2 Storage Tanks

Cut copper lines, possibly feed lines to a fuel oil tank, were noted proximate to the boiler system within the basement of Section 2. In addition, a 5,000-gallon fuel level gauge was observed on the boiler room wall; the gauge needle read empty at the time of the site visit. A concrete vault with two ceiling manholes was noted adjacent to the boiler room; TurnKey suspects, but could not confirm, that a fuel oil AST was formerly present within

the vault. Pipes of unknown nature were noted within the vault. No visual or olfactory concerns were noted within the vault.

6.3.3 Unknown Metal Brackets and Piping

Unknown metal brackets were noted in two locations along the northern wall of the building, which is fronted by Exchange Street. Specifically, a set of three brackets was located approximately 45-feet from the northwest corner of the building and approximately 30-feet above ground-level and a set of two brackets was located approximately 265-feet from the northwest corner of the building and approximately 20-feet above ground-level. Based on the nature of the brackets along with their locations and heights along the north building wall, TurnKey suspects, but could not confirm, that the brackets are electrical related as opposed to an environmental concern such as a tank.

An unknown threaded candy cane pipe, possibly a vent pipe, was noted protruding from the south exterior wall of Section 1, near the basement boiler room of Section 2. The nature of the suspect vent pipe is unknown. Additional unknown piping was noted throughout the building. No concerns (staining, odors, etc.) were noted proximate to the piping.

6.3.4 Unknown Concrete Filled Circular Disturbance

An unknown concrete filled circular metal disturbance was observed off the north wall of the building (near the northeast corner) proximate to the current natural-gas service. The exact nature of the disturbance is unknown; however, TurnKey suspects that such could be utility-related.

6.3.5 Hazardous or Regulated Materials

General cleaning/maintenance materials are stored in containers of 5-gallons or less and utilized on-Site. No concerns (staining, odors, etc.) were noted proximate to these materials at the time of the site visit.

6.3.6 Solid, Hazardous or Regulated Wastes

General refuse generated on-Site is stored in dumpsters that are picked up regularly by Republic Services.

No hazardous/regulated wastes are generated on-Site at this time.

6.3.7 Miscellaneous Debris/Stored Materials

Due to the nature of operations within the building, a large amount of cardboard is stored in the warehouse and basement areas of the building. All stored materials are staged on wooden pallets and no concerns (staining, odors, etc.) were noted proximate to any stored materials.

6.3.8 Fill

TurnKey observed no visible evidence of fill activity at the time of the Site reconnaissance. The existing buildings have occupied the majority of the Site boundary for an extensive amount of time. However, TurnKey is aware of former buildings at the Site, particularly in the eastern portion, thus it is possible that fill materials from unknown origins were brought to the Site to bring former building areas to grade.

6.3.9 Staining/Spillage and Pools of Liquid

Staining and debris was observed within the basement mechanical rooms proximate to former boilers and existing floor drains.

Black staining was observed on the roof surface within elevator mechanical rooms.

Minor staining was observed on a wooden floor surface within the second-floor storage area of the building.

Two elevator pits were observed within the basement of the building. No elevator machinery was located inside the elevator pits as this machinery was located on the rooftop. However, TurnKey did note some minor black staining and standing water on the floor surface within the elevator pits.

Standing water was observed within a basement mechanical room in the central area of the building.

6.3.10 Stressed and/or Dead Vegetation

None observed.

6.3.11 Odors

Musty odors were noted throughout the basement of the building.

6.3.12 Unidentified Substance Containers

None observed.

6.3.13 Heating/Cooling

Natural-gas fired forced air heating systems are used on-Site. Additional radiant heaters are located throughout the building. Office spaces are supplied with electric air conditioning roof top units.

6.3.14 Wastewaters

The Site is currently connected to the municipal sanitary sewer system.

6.3.15 Potable Water Supply/Wells

The Site is serviced by the municipal water supply.

6.3.16 Drains and Sumps

Four sumps were noted in the basement of the building. One sump located in a mechanical room in the central portion of the building appeared to be broken as standing water was noted throughout the room. The number of sumps observed is consistent with information provided by the current building owner. Sumps likely discharge to the municipal storm system.

Floor drains were observed in basement and bathroom areas of the building. Based on the urban location of the Site, floor drains are believed to discharge into the municipal sanitary sewer system. As previously discussed, staining was noted proximate to floor drains in basement mechanical rooms. Information provided by the current building owner

indicates a total of seven floor drains. TurnKey did not observe all floor drains indicated during the Site reconnaissance.

6.3.17 Air Emissions

A dust control exhaust system was observed within building section 2. TurnKey is unsure if the system is currently operational.

6.3.18 Pits, Ponds and Lagoons

Two elevator pits were observed within the basement of the building. No elevator machinery was located inside the elevator pits as this machinery was located on the rooftop. However, TurnKey did note some minor black staining and standing water on the floor surface within the elevator pits.

6.3.19 Septic System

None observed.

6.3.20 PCBs

A utility-owned pole-mounted transformer was noted along the southern property border. No concerns (staining, odors, etc.) were noted proximate to the transformer at the time of the Site visit.

A dry-type transformer was noted on a lift system located within building section 1. No concern (staining, odors, etc.) were observed proximate to the dry-type transformer.

6.3.21 Previous Intrusive Work

No evidence of previous intrusive work was observed at the time of the Site reconnaissance.

6.3.22 Adjacent Property Use

Adjacent properties are currently utilized for commercial and industrial purposes including railroad operations and steel fabrication. No concerns (staining, odors, obvious spills, etc.) were noted on-Site in connection with current adjacent operations.

6.4 Summary of Site Reconnaissance Potential Concerns

The following potential environmental concerns were identified at the time of the Site reconnaissance:

- Cut copper lines, possibly feed lines to a fuel oil tank, were noted proximate to the boiler system within the basement of Section 2. In addition, a 5,000-gallon fuel level gauge was observed on the boiler room wall; the gauge needle read empty at the time of the site visit. A concrete vault with two ceiling manholes was noted adjacent to the boiler room; TurnKey suspects, but could not confirm, that a fuel oil AST was formerly present within the vault. Pipes of unknown nature were noted within the vault. No visual or olfactory concerns were noted within the vault or proximate to piping.
- Unknown metal brackets were noted in two locations along the northern wall of the building, which is fronted by Exchange Street. Specifically, a set of three brackets was located approximately 45-feet from the northwest corner of the building and approximately 30-feet above ground-level and a set of two brackets was located approximately 265-feet from the northwest corner of the building and approximately 20-feet above ground-level. Based on the nature of the brackets along with their locations and heights along the north building wall, TurnKey suspects, but could not confirm, that the brackets are electrical related as opposed to an environmental concern such as a tank.
- An unknown threaded candy cane pipe, possibly a vent pipe, was noted protruding from the south exterior wall of Section 1, near the basement boiler room of Section 2. The nature of the suspect vent pipe is unknown. Additional unknown piping was noted throughout the building. No concerns (staining, odors, etc.) were noted proximate to the piping.
- An unknown concrete filled circular metal disturbance was observed off the north wall of the building (near the northeast corner) proximate to the current natural-gas service. The exact nature of the disturbance is unknown; however, TurnKey suspects that such could be utility-related.
- Staining and debris was observed within the basement mechanical rooms proximate to former boiler areas and existing floor drains. Standing water was observed within a basement mechanical room in the central area of the building.
- Minor staining was observed on a wooden floor surface within the second-floor storage area of the building. Two elevator pits were observed within the basement of the building. TurnKey noted minor black staining and standing water on the floor surface within the elevator pits. No elevator machinery was located inside the elevator pits as this machinery was located on the rooftop. Black staining was observed on the roof surface within elevator mechanical rooms.
- Adjacent operations include railroad tracks and steel fabrication.

7.0 INTERVIEWS

7.1 Site Owner

An Environmental Questionnaire requesting information on any known environmental hazards or impacts at the Site was completed by the president of M.U. Partners, Mr. Barak Ulin. Appendix G includes the completed questionnaire. The following summarizes the information provided by Mr. Ulin:

- The building is currently used as warehouse space with the current tenant identified as K.W. Textile, Inc. K.W. Textile, Inc. has been the primary tenant since 1990. TurnKey is aware of a discrepancy related to the date of occupancy for K.W. Textile, Inc. as city directories indicate K.W. Textile on-Site in at least 2001.
- The existing building contains seven floor drains and four sump pumps in various locations throughout the building. These drains and sumps discharge to the municipal sewer systems.
- Waste generated on-Site includes general wastes such as cardboard, packing supplies, and office waste. Wastes are stored in an on-Site dumpster and picked up regularly by Republic Services. The Site does not produce any hazardous wastes.
- Mr. Ulin indicated, under current ownership, the facility has never been heated by oil. He also indicated that the facility was never used as a car repair shop, paint shop, or gas station and did not contain ASTs or USTs.
- No spills, unpermitted discharges, or releases of hazardous or contaminated materials are associated with the Site.
- Mr. Ulin is unaware of any pending, threatened or past litigation or administrative proceedings relevant to hazardous substances or petroleum products in, on or from the Site. Further, Mr. Ulin is unaware of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products related to the Site.

7.2 Municipal Interview

TurnKey interviewed the City of Buffalo Building Inspector, Mr. David Zafuto on June 2, 2018. Mr. Zafuto is unaware of any environmental concerns in connection with the Site and there are reportedly no violations or complaints on file.

7.3 Former Site Owner/Operator

Former owners/operators were not interviewed as part of this assessment.

8.0 OTHER ENVIRONMENTAL CONSIDERATIONS

Other environmental considerations are discussed below. Such include non-scope considerations, described under ASTM E1527-13 as ancillary conditions that are typically outside the standard Phase I scope of practice. Non-scope considerations, such as asbestos, lead, radon, wetlands and mold, are not considered RECs under ASTM E1527-13, but may represent health or environmental issues impacting the Site and/or property value.

8.1 Asbestos

Based on the age of the existing building, the potential for asbestos exists. Suspect ACMs including, but not limited to, drywall/plaster, pipe wrap, floor tile and ceiling tile, and cement tile siding were noted at the time of the site visit. Asbestos could also be present in roofing materials. Minor damage to pipe was observed within the basement of the building. Cement tile siding was significantly damage along the south exterior wall of the building.

8.2 Lead Paint, Pipes and Soldering

Based on the age of the existing building, the potential for lead-based paint exists. Peeling/chipping paint was observed on the exterior of the building.

8.3 Radon

Research in the area of the Site completed by the New York State Department of Health - Bureau of Environmental Radiation Protection (Radon) suggests an average basement radon concentration of 1.14 pCi/L in the area of the Site, which is below the USEPA action level of 4.0 pCi/L. As such, radon is not anticipated to be a concern.

8.4 Wetlands and Flood Zones

The EDR regulatory database includes general information on wetlands and flood zones. No wetland or flood zone areas were identified on-site or adjacent to the Site.

8.5 Microbial Contamination (Mold)

While no evidence of mold growth was observed, musty odors were noted throughout the building as was moisture within basement areas.

8.6 Vapor Encroachment Conditions

This assessment included review of the regulatory database discussed in Section 6.1 in relation to the ASTM E2600-10 Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions.

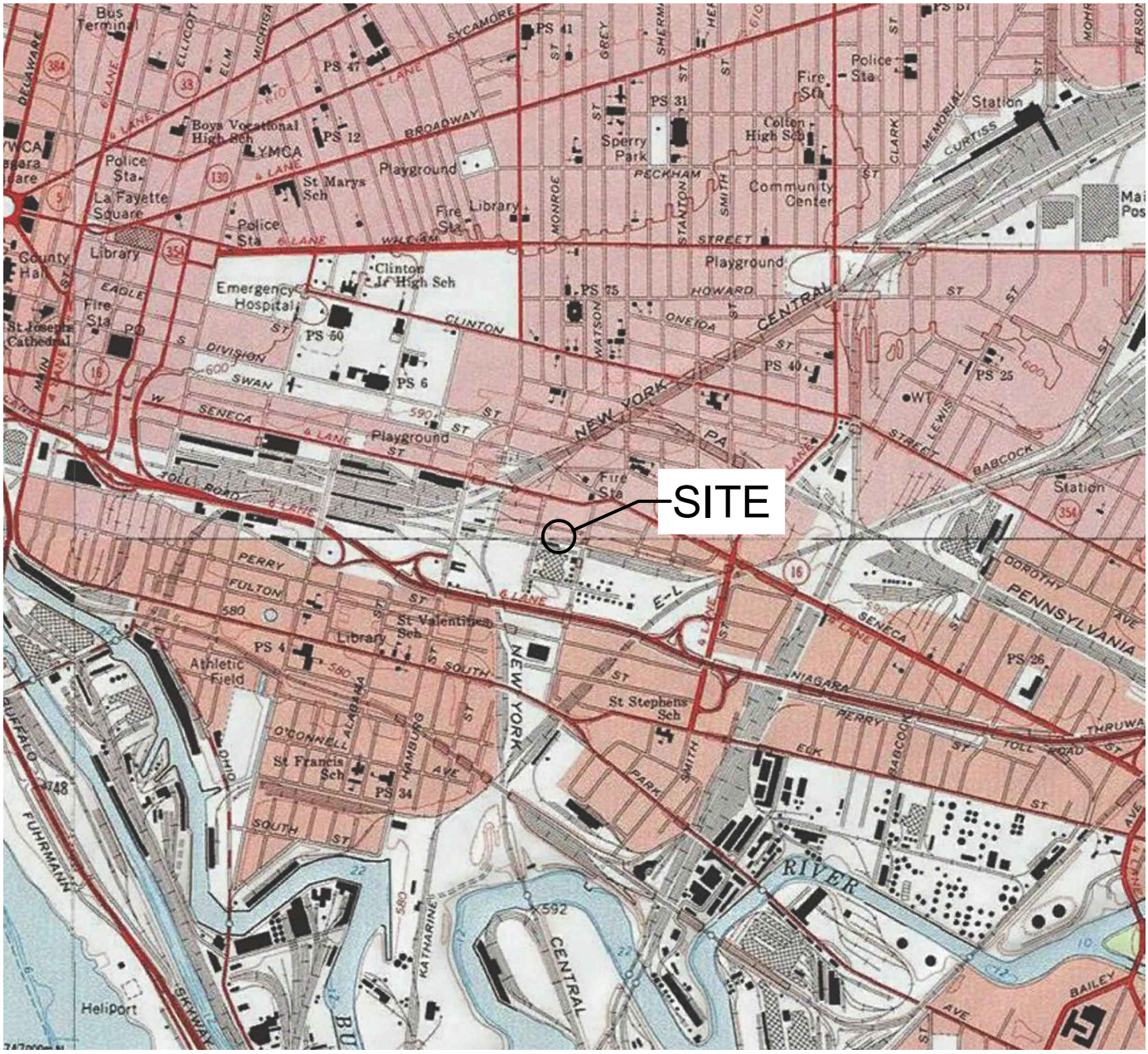
If soil or groundwater is contaminated with a volatile compound such as gasoline or solvents, that contaminant can migrate through the soil pore space and end up in the air inside of buildings, especially within basement areas. Soil vapors do not necessarily migrate along groundwater flow paths; they can also move up hydraulic gradients and can extend beyond a groundwater plume. The ASTM standard named this a VEC, which is a more recent environmental concern and there have been a significant number of sites where vapor intrusion has been discovered. The state and federal environmental regulators have "reopened" numerous spill and waste sites in order to assess whether vapor encroachment is a concern.

If impacts are encountered during the subsurface investigation, the potential for a VEC exists.

FIGURES

F:\CAD\TurnKey\Park Grove Realty, LLC\619 Exchange\Phase I\Figure 1 - Site Location and Vicinity Map.dwg

FIGURE 1



SCALE: 1 INCH = 2000 FEET
SCALE IN FEET
(approximate)

TurnKey Environmental Restoration, LLC

2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

PROJECT NO.: T0455-018-001

DATE: JULY 2018

DRAFTED BY: CMS

SITE LOCATION AND VICINITY MAP

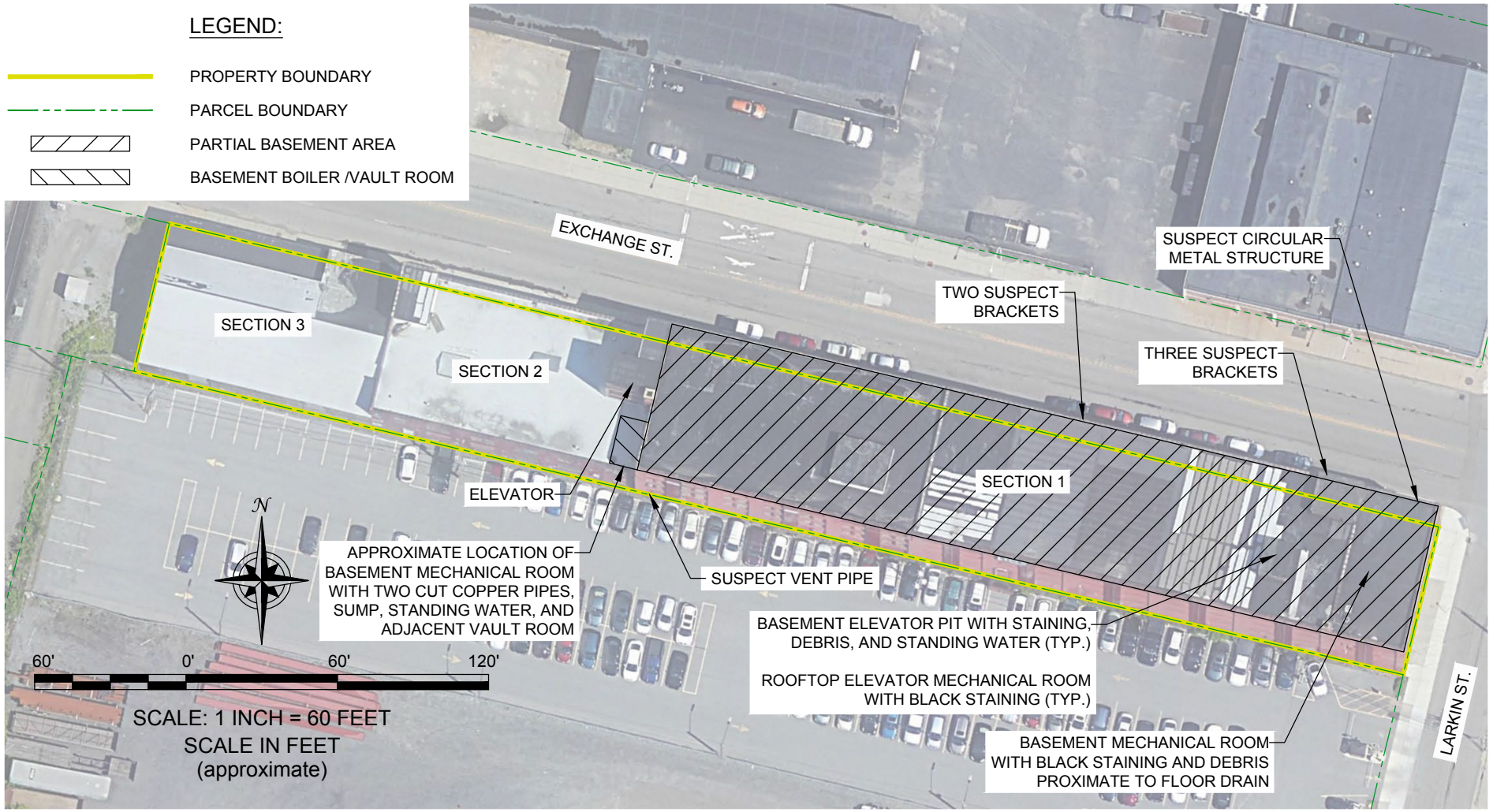
PHASE I ENVIRONMENTAL SITE ASSESSMENT

619 EXCHANGE STREET
BUFFALO, NEW YORK

PREPARED FOR
PARK GROVE REALTY, LLC

DISCLAIMER:
PROPERTY OF TURNKEY ENVIRONMENTAL RESTORATION, LLC. IMPORTANT: THIS DRAWING PRINT IS LOANED FOR MUTUAL ASSISTANCE AND AS SUCH IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREON IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY FORM FOR THE BENEFIT OF PARTIES OTHER THAN NECESSARY SUBCONTRACTORS & SUPPLIERS WITHOUT THE WRITTEN CONSENT OF TURNKEY ENVIRONMENTAL RESTORATION, LLC.

F:\CAD\TurnKey\Park Grove Realty, LLC\619 Exchange\Phase I\Figure 2 - Site Plan (Aerial).dwg



TurnKey Environmental Restoration, LLC

2558 HAMBURG TURNPIKE
SUITE 300
BUFFALO, NY 14218
(716) 856-0635

PROJECT NO.: T0455-018-001

DATE: JULY 2018

DRAFTED BY: CMS

SITE PLAN (AERIAL)

PHASE I ENVIRONMENTAL SITE ASSESSMENT

619 EXCHANGE STREET
BUFFALO, NEW YORK

PREPARED FOR
PARK GROVE REALTY, LLC

FIGURE 2

DISCLAIMER:
PROPERTY OF TURNKEY ENVIRONMENTAL RESTORATION., LLC. IMPORTANT: THIS DRAWING PRINT IS LOANED FOR MUTUAL ASSISTANCE AND AS SUCH IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREON IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY FORM FOR THE BENEFIT OF PARTIES OTHER THAN NECESSARY SUBCONTRACTORS & SUPPLIERS WITHOUT THE WRITTEN CONSENT OF TURNKEY ENVIRONMENTAL RESTORATION., LLC.

APPENDIX A

ENVIRONMENTAL DATABASE REPORT

619 Exchange St
619 Exchange St
Buffalo, NY 14210

Inquiry Number: 5346299.2s
June 27, 2018

The EDR Radius Map™ Report with GeoCheck®

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13), the ASTM Standard Practice for Environmental Site Assessments for Forestland or Rural Property (E 2247-16), the ASTM Standard Practice for Limited Environmental Due Diligence: Transaction Screen Process (E 1528-14) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

619 EXCHANGE ST
BUFFALO, NY 14210

COORDINATES

Latitude (North):	42.8751490 - 42° 52' 30.53''
Longitude (West):	78.8542340 - 78° 51' 15.24''
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	675259.6
UTM Y (Meters):	4748969.0
Elevation:	589 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	5937939 BUFFALO NE, NY
Version Date:	2013
Southeast Map:	5937941 BUFFALO SE, NY
Version Date:	2013
Southwest Map:	5938307 BUFFALO SE OE W, NY
Version Date:	2013
Northwest Map:	5938774 BUFFALO NW, NY
Version Date:	2013

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	20150528, 20150529
Source:	USDA

MAPPED SITES SUMMARY

Target Property Address:
619 EXCHANGE ST
BUFFALO, NY 14210

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
1	ABANDONED DRUMS	LARKIN & EXCHANGE ST	NY Spills adjacent	Higher	39, 0.007, East
A2	ALP STEEL CORP	650 EXCHANGE ST	RCRA-CESQG, FINDS, ECHO, NY MANIFEST adjacent	Higher	60, 0.011, WNW
A3	ALP STEEL CORP	650 EXCHANGE ST	PA MANIFEST adjacent	Higher	60, 0.011, WNW
A4	NYSDOT D256989	HAMBURG & EXCHANGE S	RCRA NonGen / NLR, NY MANIFEST	Higher	213, 0.040, WNW
A5	DRUMS UNDER HAMBURG	EXCHANGE AND HAMBURG	NY Spills	Higher	213, 0.040, WNW
B6	ARMY/NAVY SURPLUS ST	290 LARKEN ST.	NY Spills	Higher	302, 0.057, NE
C7	WORLD AUTO PARTS INC	221-233 LARKIN STREE	NY Spills	Higher	324, 0.061, SSE
C8	NATIONAL GRID TRUCK	ROSEVILLE & LARKIN S	NY Spills	Higher	416, 0.079, SSE
D9	LARKIN BUILDING	SENECA STREET	NY Spills	Higher	449, 0.085, ENE
C10	EASTERN GREYHOUND LI	22 ROSEVILLE ST	EDR Hist Auto	Higher	461, 0.087, SE
B11	LARKIN LOFTS	REAR 635 - 649 SENEC	NY UST	Higher	530, 0.100, NE
D12	SENECA INDUSTRIAL AS	701 SENECA ST - 2ND	RCRA NonGen / NLR, NY MANIFEST	Higher	585, 0.111, ENE
D13	SENECA INDUSTRIAL	701 SENECA STREET	NY LTANKS, NY Spills	Higher	585, 0.111, ENE
D14	FORMERLY REPRO GRAPH	701 SENECA ST	RCRA NonGen / NLR	Higher	585, 0.111, ENE
D15	NIAGARA ENVELOPE INC	701 SENECA ST	RCRA NonGen / NLR, NY MANIFEST	Higher	585, 0.111, ENE
D16	TAPECON INC	701 SENECA ST	RCRA-SQG, NY MANIFEST	Higher	585, 0.111, ENE
D17	PRISTINE CHEM DRY CA	701 SENECA ST	EDR Hist Cleaner	Higher	585, 0.111, ENE
E18	BETHLEHEM STEEL	400 HAMBURG TURNPIKE	NY Spills	Higher	585, 0.111, West
E19	PERMA TECK	363 HAMBURG STREET	NY Spills	Higher	588, 0.111, WSW
D20	I L M GRAPHICS	699 SENECA ST	RCRA-CESQG, FINDS, ECHO, NY MANIFEST	Higher	593, 0.112, ENE
F21	BISHOP CHEMICALS & E	160 VAN RENSSELAER S	NY LTANKS, NY UST	Higher	599, 0.113, ESE
F22	HEEFNER A & SONS SOA	160 VAN RENSSELAER	EDR Hist Auto	Higher	599, 0.113, ESE
F23	FORMER 101 BLEACH CO	154 VAN RENSSELAER	NY Spills	Higher	635, 0.120, ESE
D24	TRENCH MANUFACTURING	703 SENECA ST	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	670, 0.127, ENE
G25	GRAPHIC CONTROLS	189 VAN RENSSELAER S	NY LTANKS, NY Spills, RCRA NonGen / NLR, US AIRS,...	Higher	675, 0.128, East
G26	INDUSTRIAL COMMERCE	189 VAN RENSSELAER S	NY UST	Higher	675, 0.128, East
G27	INDUSTRIAL COMMERCE	189 VAN RENSSELAER S	NY AST	Higher	675, 0.128, East
H28	NYSDEC/SPILL	550 SENECA ST	RCRA NonGen / NLR, NY MANIFEST	Higher	683, 0.129, NNW
H29	WNY PROFESSIONAL FLO	505 HAMBURG STREET	NY SWRCY	Higher	808, 0.153, NNW
30	NYSDEC	JEFFERSON & MYRTLE	NY MANIFEST	Higher	808, 0.153, North
I31	CENTRAL AUTO	541 SENECA ST	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	851, 0.161, NW
H32	ZINSSER CO INC AT SC	519 HAMBURG ST	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Higher	892, 0.169, NNW
J33	ENGINE 32	700 SENECA ST	NY UST	Higher	910, 0.172, ENE
34	PARFOAM PRODUCTS	239 VAN RENSSELAER S	RCRA-CESQG, NY MANIFEST	Higher	918, 0.174, ENE
I35	F N BURT BOX FACTORY	500 SENECA ST	NY MANIFEST	Lower	943, 0.179, NW
I36	NEW ERA CAP COMPANY	500 SENECA ST.	NY UST	Lower	943, 0.179, NW
I37	F N BURT BOX FACTORY	500 SENECA ST	RCRA NonGen / NLR	Lower	943, 0.179, NW
I38	NEW ERA CAP CO	500 SENECA ST	NY ENG CONTROLS, NY INST CONTROL, NY BROWNFIELDS	Lower	943, 0.179, NW
K39	LCO BUILDING	726 EXCHANGE ST	NY UST	Higher	979, 0.185, East

MAPPED SITES SUMMARY

Target Property Address:
619 EXCHANGE ST
BUFFALO, NY 14210

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
K40	LCO BUILDING LLC	726 EXCHANGE ST.	NY LTANKS, NY TANKS	Higher	979, 0.185, East
I41	GRAPHIC CONTROLS	487-503 & 541-543 SE	US BROWNFIELDS	Lower	1025, 0.194, NW
J42	BUFFALO FIRE HOUSE #	SENECA AND SWAN STRE	NY LTANKS	Higher	1060, 0.201, ENE
J43	DORMITORY AUTHORITY	SWAN ST & SENECA ST	RCRA NonGen / NLR	Higher	1102, 0.209, ENE
J44	NEW YORK STATE DORMI	SWAN & SENECA ST	NY MANIFEST	Higher	1102, 0.209, ENE
J45	BUFFALO FIRE HOUSE #	SENECA AND SWAN STRE	NY LTANKS, NY Spills	Higher	1102, 0.209, ENE
L46	FARGO BUILDING	493-503 SENECA ST	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Lower	1105, 0.209, NW
L47	FARGO ELECTRIC	493-503 SENECA ST	NY LTANKS	Lower	1105, 0.209, NW
48	NEW ERA CAP CO	331 MYRTLE AVE	NY Spills, RCRA NonGen / NLR, FINDS, ECHO, NY...	Lower	1142, 0.216, NW
L49	LEON'S SERVICE	490 SENECA ST	NY LTANKS, NY UST	Lower	1154, 0.219, NW
L50	FARGO ELECTRIC	487-503 SENECA ST.	NY UST	Lower	1159, 0.220, NW
M51	LARKIN SERVICE, INC.	670 PERRY STREET	NY AST	Higher	1194, 0.226, SSE
M52	TYSON FOOD INC	665 PERRY ST	SEMS, RCRA-SQG, US AIRS, NY MANIFEST, NJ MANIFEST	Higher	1238, 0.234, SSE
M53	TYSON DELI	665 PERRY STREET	NY AST	Higher	1238, 0.234, SSE
M54	NYS THRUWAY AUTH - B	VAN RENSSELAER ST &	RCRA NonGen / NLR, NY MANIFEST	Higher	1266, 0.240, SSE
55	BUFFALO MUNICIPAL HO	492 PERRY ST	RCRA NonGen / NLR, FINDS, ECHO, NY MANIFEST	Lower	1294, 0.245, SW
56	111 HYDRAULIC STREET	111 HYDRAULIC STREET	NY BROWNFIELDS	Higher	1400, 0.265, East
57	W J TAYLOR INTERNATI	131 ROSEVILLE	NY LTANKS, NY UST	Higher	1508, 0.286, ESE
58	CITY OF BUFFALO HOUS	444 SENECA STREET	NY LTANKS	Lower	1571, 0.298, NW
59	SAINT PATRICK VILLAG	39 EMSLIE STREET	NY LTANKS	Higher	1593, 0.302, ENE
60	FORMER AMERICAN LINE	822 SENECA STREET	NY ENG CONTROLS, NY INST CONTROL, NY BROWNFIELDS	Higher	1698, 0.322, East
61	SILOS AT ELK STREET	50 ELK STREET	NY ENG CONTROLS, NY INST CONTROL, NY BROWNFIELDS	Higher	1824, 0.345, SSE
62	SAFETY KLEEN	FOOT OF KATHERINE ST	NY LTANKS	Higher	1914, 0.363, SSW
N63	COMMODORE PERRY COMP	392 PERRY STREET	NY LTANKS	Lower	1948, 0.369, WSW
64	CONTAMINATED SOIL	840 SENECA STREET	NY LTANKS, NY Spills	Higher	1991, 0.377, East
N65	COMMODORE PERRY PROJ	386 PERRY ST	NY LTANKS, NY Spills	Lower	1995, 0.378, WSW
66	BUFFALO SCHOOL #6	HICKORY ST. @ S. DIV	NY LTANKS	Higher	2107, 0.399, NW
67	GIBRALTAR STEEL CORP	635 SOUTH PARK AVENU	NY LTANKS, NY UST	Lower	2217, 0.420, SSW
68	49 LEDDY-SMITH/LEDDY	49 LEDDY STREET	US BROWNFIELDS	Lower	2275, 0.431, South
69	UNILOCK INC.	510 SMITH STREET	NY LTANKS	Higher	2463, 0.466, East
O70	MOLLENBERG - BETZ IN	300 SCOTT ST	SEMS-ARCHIVE, RCRA-CESQG, FINDS, ECHO, NY MANIFEST	Higher	2599, 0.492, West
O71	MOLLENBERG-BETZ	300 SCOTT STREET	NY SHWS, NY HSWDS	Higher	2599, 0.492, West
72	BUFFALO POLICE GARAG	341 SENECA STREET	NY LTANKS, NY AST, NY Spills	Lower	2629, 0.498, WNW
73	W & F MFG CO INC	251 SENECA ST	CORRACTS, NY Spills, RCRA NonGen / NLR, RAATS, NY...	Lower	3448, 0.653, WNW
74	HONEYWELL BUFFALO RE	20 PEABODY ST	CORRACTS, RCRA-TSDF, RCRA-LQG, NY LTANKS, NY CBS,...	Higher	4332, 0.820, SE
P75	BERN METALS	22 BENDER STREET	SEMS, NY SHWS, NY ENG CONTROLS, NY INST CONTROL,...	Higher	4449, 0.843, ENE
P76	BERN METALS - USEPA	22 BENDER AVE	RCRA NonGen / NLR, ICIS, CONSENT, FINDS, ECHO	Higher	4449, 0.843, ENE
Q77	BUFFALO COLOR PLANT	100 LEE STREET	NY MOSF, NY CBS, NY DEL SHWS, NY Spills, NY AIRS,...	Higher	4516, 0.855, SE
Q78	BUFFALO COLOR CORP L	100 LEE ST	CORRACTS, RCRA-TSDF, RCRA-LQG, US ENG CONTROLS, US	Higher	4516, 0.855, SE

MAPPED SITES SUMMARY

Target Property Address:
619 EXCHANGE ST
BUFFALO, NY 14210

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
Q79	PVS CHEMICAL SOLUTIO	55 LEE STREET	CORRACTS, RCRA-TSDF, RCRA-LQG, NY AST, RAATS,...	Lower	4611, 0.873, SE
Q80	PVS CHEMICAL SOLUTIO	55 LEE STREET	NY SHWS, NY LTANKS, NY CBS, NY CBS AST, NY Spills,...	Lower	4611, 0.873, SE
81	BUFFALO COLOR - DEEP	1037 SOUTH PARK AVEN	NY SHWS	Higher	4630, 0.877, SSE
82	NIKE BU 09		FUDS	Higher	4641, 0.879, NW
83	LEHIGH INDUSTRIAL PA	31 SOUTH ST	NY SHWS, NY ENG CONTROLS, NY INST CONTROL, RCRA...	Lower	4688, 0.888, SW
Q84	ALLIED CHEMICAL, IND	55 LEE STREET	SEMS-ARCHIVE, CORRACTS, RCRA NonGen / NLR, RAATS,..	Higher	4707, 0.891, SE
85	BENGART & MEMEL, INC	1079 CLINTON STREET	NY SHWS	Higher	5026, 0.952, East

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL ---------- National Priority List
Proposed NPL ---------- Proposed National Priority List Sites
NPL LIENS ---------- Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL ---------- National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY ---------- Federal Facility Site Information listing

Federal institutional controls / engineering controls registries

LUCIS ---------- Land Use Control Information System

Federal ERNS list

ERNS ---------- Emergency Response Notification System

State and tribal landfill and/or solid waste disposal site lists

NY SWF/LF ---------- Facility Register

State and tribal leaking storage tank lists

INDIAN LUST ---------- Leaking Underground Storage Tanks on Indian Land
NY HIST LTANKS ---------- Listing of Leaking Storage Tanks

State and tribal registered storage tank lists

FEMA UST ---------- Underground Storage Tank Listing
NY CBS UST ---------- Chemical Bulk Storage Database
NY MOSF UST ---------- Major Oil Storage Facilities Database
NY MOSF AST ---------- Major Oil Storage Facilities Database

INDIAN UST ---- Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

NY RES DECL ---- Restrictive Declarations Listing

State and tribal voluntary cleanup sites

NY VCP ---- Voluntary Cleanup Agreements
INDIAN VCP ---- Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

NY ERP ---- Environmental Restoration Program Listing

ADDITIONAL ENVIRONMENTAL RECORDS

Local Lists of Landfill / Solid Waste Disposal Sites

NY SWTIRE ---- Registered Waste Tire Storage & Facility List
INDIAN ODI ---- Report on the Status of Open Dumps on Indian Lands
DEBRIS REGION 9 ---- Torres Martinez Reservation Illegal Dump Site Locations
ODI ---- Open Dump Inventory
IHS OPEN DUMPS ---- Open Dumps on Indian Land

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL ---- Delisted National Clandestine Laboratory Register
US CDL ---- National Clandestine Laboratory Register

Local Lists of Registered Storage Tanks

NY HIST UST ---- Historical Petroleum Bulk Storage Database
NY HIST AST ---- Historical Petroleum Bulk Storage Database

Local Land Records

NY LIENS ---- Spill Liens Information
LIENS 2 ---- CERCLA Lien Information

Records of Emergency Release Reports

HMIRS ---- Hazardous Materials Information Reporting System
NY Hist Spills ---- SPILLS Database
NY SPILLS 90 ---- SPILLS 90 data from FirstSearch
NY SPILLS 80 ---- SPILLS 80 data from FirstSearch

Other Ascertainable Records

DOD ---- Department of Defense Sites
SCRD DRYCLEANERS ---- State Coalition for Remediation of Drycleaners Listing
EPA WATCH LIST ---- EPA WATCH LIST
TSCA ---- Toxic Substances Control Act
TRIS ---- Toxic Chemical Release Inventory System

SSTS Section 7 Tracking Systems
ROD Records Of Decision
RMP Risk Management Plans
PADS PCB Activity Database System
FTTS FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS Material Licensing Tracking System
COAL ASH DOE Steam-Electric Plant Operation Data
COAL ASH EPA Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER PCB Transformer Registration Database
RADINFO Radiation Information Database
HIST FTTS FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS Incident and Accident Data
INDIAN RESERV Indian Reservations
FUSRAP Formerly Utilized Sites Remedial Action Program
UMTRA Uranium Mill Tailings Sites
LEAD SMELTERS Lead Smelter Sites
US MINES Mines Master Index File
ABANDONED MINES Abandoned Mines
UXO Unexploded Ordnance Sites
DOCKET HWC Hazardous Waste Compliance Docket Listing
FUELS PROGRAM EPA Fuels Program Registered Listing
NY COAL ASH Coal Ash Disposal Site Listing
NY DRYCLEANERS Registered Drycleaners
NY E DESIGNATION E DESIGNATION SITE LISTING
NY VAPOR REOPENED Vapor Intrusion Legacy Site List
NY UIC Underground Injection Control Wells

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP EDR Proprietary Manufactured Gas Plants

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

NY RGA HWS Recovered Government Archive State Hazardous Waste Facilities List
NY RGA LF Recovered Government Archive Solid Waste Facilities List

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property.
Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal CERCLIS list

SEMS: SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the SEMS list, as provided by EDR, and dated 05/18/2018 has revealed that there is 1 SEMS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TYSON FOOD INC	*665 PERRY ST*	*SSE 1/8 - 1/4 (0.234 mi.)*	*M52*	*221*

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

A review of the SEMS-ARCHIVE list, as provided by EDR, and dated 05/18/2018 has revealed that there is 1 SEMS-ARCHIVE site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MOLLENBERG - BETZ IN	*300 SCOTT ST*	*W 1/4 - 1/2 (0.492 mi.)*	*O70*	*341*

Federal RCRA CORRACTS facilities list

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 03/01/2018 has revealed that there are 5 CORRACTS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HONEYWELL BUFFALO RE	*20 PEABODY ST*	*SE 1/2 - 1 (0.820 mi.)*	*74*	*367*

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BUFFALO COLOR CORP L	*100 LEE ST*	*SE 1/2 - 1 (0.855 mi.)*	*Q78*	*557*
ALLIED CHEMICAL, IND	*55 LEE STREET*	*SE 1/2 - 1 (0.891 mi.)*	*Q84*	*740*

Lower Elevation	Address	Direction / Distance	Map ID	Page
W & F MFG CO INC	*251 SENECA ST*	*WNW 1/2 - 1 (0.653 mi.)*	*73*	*359*
PVS CHEMICAL SOLUTIO	*55 LEE STREET*	*SE 1/2 - 1 (0.873 mi.)*	*Q79*	*607*

Federal RCRA generators list

RCRA-SQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 03/01/2018 has revealed that there are 2 RCRA-SQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TAPECON INC	*701 SENECA ST*	*ENE 0 - 1/8 (0.111 mi.)*	*D16*	*37*
TYSON FOOD INC	*665 PERRY ST*	*SSE 1/8 - 1/4 (0.234 mi.)*	*M52*	*221*

RCRA-CESQG: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 03/01/2018 has revealed that there are 3 RCRA-CESQG sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ALP STEEL CORP	*650 EXCHANGE ST*	*WNW 0 - 1/8 (0.011 mi.)*	*A2*	*9*
I L M GRAPHICS	*699 SENECA ST*	*ENE 0 - 1/8 (0.112 mi.)*	*D20*	*44*
PARFOAM PRODUCTS	*239 VAN RENSSELAER S*	*ENE 1/8 - 1/4 (0.174 mi.)*	*34*	*86*

State- and tribal - equivalent CERCLIS

NY SHWS: The State Hazardous Waste Sites records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. The data come from the Department of Environmental Conservation's Inactive Hazardous waste Disposal Sites in New York State.

A review of the NY SHWS list, as provided by EDR, and dated 05/14/2018 has revealed that there are 6

NY SHWS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MOLLENBERG-BETZ Site Code: 56563	***300 SCOTT STREET***	***W 1/4 - 1/2 (0.492 mi.)***	***O71***	***348***
BERN METALS Site Code: 58664	***22 BENDER STREET***	***ENE 1/2 - 1 (0.843 mi.)***	***P75***	***472***
BUFFALO COLOR - DEEP Site Code: 58348	1037 SOUTH PARK AVEN	SSE 1/2 - 1 (0.877 mi.)	81	723
BENGART & MEMEL, INC Site Code: 58011	1079 CLINTON STREET	E 1/2 - 1 (0.952 mi.)	85	745

Lower Elevation	Address	Direction / Distance	Map ID	Page
PVS CHEMICAL SOLUTIO Site Code: 56543	***55 LEE STREET***	***SE 1/2 - 1 (0.873 mi.)***	***Q80***	***673***
LEHIGH INDUSTRIAL PA Site Code: 58198	***31 SOUTH ST***	***SW 1/2 - 1 (0.888 mi.)***	***83***	***726***

State and tribal leaking storage tank lists

NY LTANKS: Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills

A review of the NY LTANKS list, as provided by EDR, and dated 05/14/2018 has revealed that there are 19 NY LTANKS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
SENECA INDUSTRIAL Date Closed: 1992-11-09 Site ID: 279589 Program Number: 9204279	***701 SENECA STREET***	***ENE 0 - 1/8 (0.111 mi.)***	***D13***	***29***
BISHOP CHEMICALS & E Date Closed: 1993-04-29 Site ID: 194444 Program Number: 9200249	***160 VAN RENSSELAER S***	***ESE 0 - 1/8 (0.113 mi.)***	***F21***	***47***
GRAPHIC CONTROLS Date Closed: 1991-08-26 Site ID: 115349 Program Number: 9009691	***189 VAN RENSSELAER S***	***E 1/8 - 1/4 (0.128 mi.)***	***G25***	***55***
LCO BUILDING LLC Date Closed: 2005-04-04 Site ID: 253016 Program Number: 0475260	***726 EXCHANGE ST.***	***E 1/8 - 1/4 (0.185 mi.)***	***K40***	***164***
BUFFALO FIRE HOUSE # Date Closed: 1999-11-23 Site ID: 202626	SENECA AND SWAN STRE	ENE 1/8 - 1/4 (0.201 mi.)	J42	190

Program Number: 9910189				
BUFFALO FIRE HOUSE #	***SENECA AND SWAN STRE***	***ENE 1/8 - 1/4 (0.209 mi.)***	***J45***	***193***
Date Closed: 2000-01-05 Site ID: 202627 Program Number: 9910197				
W J TAYLOR INTERNATI	***131 ROSEVILLE***	***ESE 1/4 - 1/2 (0.286 mi.)***	***57***	***249***
Date Closed: 1994-06-13 Site ID: 251160 Program Number: 9400832				
SAINT PATRICK VILLAG	39 EMSLIE STREET	ENE 1/4 - 1/2 (0.302 mi.)	59	254
Date Closed: 1995-11-09 Site ID: 272061 Program Number: 9509352				
SAFETY KLEEN	FOOT OF KATHERINE ST	SSW 1/4 - 1/2 (0.363 mi.)	62	320
Date Closed: 1994-12-12 Site ID: 231074 Program Number: 9408523				
CONTAMINATED SOIL	***840 SENECA STREET***	***E 1/4 - 1/2 (0.377 mi.)***	***64***	***323***
Date Closed: 1993-12-29 Site ID: 118784 Program Number: 9308488				
BUFFALO SCHOOL #6	HICKORY ST. @ S. DIV	NW 1/4 - 1/2 (0.399 mi.)	66	333
Date Closed: 2005-09-07 Site ID: 349570 Program Number: 0550673				
UNILOCK INC.	510 SMITH STREET	E 1/4 - 1/2 (0.466 mi.)	69	340
Date Closed: 1991-11-15 Site ID: 249570 Program Number: 9105743				

Lower Elevation	**Address**	**Direction / Distance**	**Map ID**	**Page**
FARGO ELECTRIC	493-503 SENECA ST	NW 1/8 - 1/4 (0.209 mi.)	L47	198
Date Closed: 2003-05-01 Site ID: 209278 Program Number: 0275500				
LEON'S SERVICE	***490 SENECA ST***	***NW 1/8 - 1/4 (0.219 mi.)***	***L49***	***203***
Date Closed: 1988-05-16 Date Closed: 1997-09-29 Site ID: 200031 Site ID: 200032 Program Number: 8710277 Program Number: 9609364				
CITY OF BUFFALO HOUS	444 SENECA STREET	NW 1/4 - 1/2 (0.298 mi.)	58	253
Date Closed: 2000-01-14 Site ID: 216705 Program Number: 9975514				
COMMODORE PERRY COMP	392 PERRY STREET	WSW 1/4 - 1/2 (0.369 mi.)	N63	321
Date Closed: 1995-06-29 Site ID: 98592 Program Number: 9304172				
COMMODORE PERRY PROJ	***386 PERRY ST***	***WSW 1/4 - 1/2 (0.378 mi.)***	***N65***	***326***

Date Closed: 2009-01-06
Date Closed: 1988-06-09
Date Closed: 1988-05-02
Site ID: 402540
Site ID: 71409
Site ID: 71410
Program Number: 0805442
Program Number: 8710146
Program Number: 8800864

GIBRALTAR STEEL CORP	***635 SOUTH PARK AVENU***	***SSW 1/4 - 1/2 (0.420 mi.)***	***67***	***334***
Date Closed: 1992-10-19 Site ID: 231814 Program Number: 9208402				
BUFFALO POLICE GARAG	***341 SENECA STREET***	***WNW 1/4 - 1/2 (0.498 mi.)***	***72***	***351***
Date Closed: 2000-01-10 Site ID: 218912 Program Number: 9911425				

State and tribal registered storage tank lists

NY UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database

A review of the NY UST list, as provided by EDR, has revealed that there are 8 NY UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LARKIN LOFTS Database: UST, Date of Government Version: 03/26/2018	REAR 635 - 649 SENEC	NE 0 - 1/8 (0.100 mi.)	B11	25
BISHOP CHEMICALS & E Database: UST, Date of Government Version: 03/26/2018	***160 VAN RENSSELAER S***	***ESE 0 - 1/8 (0.113 mi.)***	***F21***	***47***
INDUSTRIAL COMMERCE Database: UST, Date of Government Version: 03/26/2018	189 VAN RENSSELAER S	E 1/8 - 1/4 (0.128 mi.)	G26	70
ENGINE 32 Database: UST, Date of Government Version: 03/26/2018	700 SENECA ST	ENE 1/8 - 1/4 (0.172 mi.)	J33	84
LCO BUILDING Database: UST, Date of Government Version: 03/26/2018	726 EXCHANGE ST	E 1/8 - 1/4 (0.185 mi.)	K39	161

Lower Elevation	Address	Direction / Distance	Map ID	Page
NEW ERA CAP COMPANY Database: UST, Date of Government Version: 03/26/2018	500 SENECA ST.	NW 1/8 - 1/4 (0.179 mi.)	I36	90
LEON'S SERVICE Database: UST, Date of Government Version: 03/26/2018	***490 SENECA ST***	***NW 1/8 - 1/4 (0.219 mi.)***	***L49***	***203***
FARGO ELECTRIC Database: UST, Date of Government Version: 03/26/2018	487-503 SENECA ST.	NW 1/8 - 1/4 (0.220 mi.)	L50	210

NY AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Environmental Conservation's Petroleum Bulk Storage (PBS) Database.

A review of the NY AST list, as provided by EDR, has revealed that there are 3 NY AST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
INDUSTRIAL COMMERCE Database: AST, Date of Government Version: 03/26/2018 Facility Id: 9-005231	189 VAN RENSSELAER S	E 1/8 - 1/4 (0.128 mi.)	G27	74
LARKIN SERVICE, INC. Database: AST, Date of Government Version: 03/26/2018 Facility Id: 9-601153	670 PERRY STREET	SSE 1/8 - 1/4 (0.226 mi.)	M51	211
TYSON DELI Database: AST, Date of Government Version: 03/26/2018 Facility Id: 9-600394	665 PERRY STREET	SSE 1/8 - 1/4 (0.234 mi.)	M53	240

NY TANKS: This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

A review of the NY TANKS list, as provided by EDR, has revealed that there is 1 NY TANKS site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
LCO BUILDING LLC Database: TANKS, Date of Government Version: 03/26/2018 Facility Id: 9-601401 Site Status: Active	***726 EXCHANGE ST.***	***E 1/8 - 1/4 (0.185 mi.)***	***K40***	***164***

State and tribal institutional control / engineering control registries

NY ENG CONTROLS: Environmental Remediation sites that have engineering controls in place.

A review of the NY ENG CONTROLS list, as provided by EDR, and dated 05/14/2018 has revealed that there are 3 NY ENG CONTROLS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FORMER AMERICAN LINE Site Code: 444249	***822 SENECA STREET***	***E 1/4 - 1/2 (0.322 mi.)***	***60***	***256***
SILOS AT ELK STREET Site Code: 533076	***50 ELK STREET***	***SSE 1/4 - 1/2 (0.345 mi.)***	***61***	***296***

Lower Elevation	Address	Direction / Distance	Map ID	Page
NEW ERA CAP CO Site Code: 478623	***500 SENECA ST***	***NW 1/8 - 1/4 (0.179 mi.)***	***I38***	***131***

Environmental Remediation sites that have institutional controls in place.

A review of the NY INST CONTROL list, as provided by EDR, and dated 05/14/2018 has revealed that there are 3 NY INST CONTROL sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
FORMER AMERICAN LINE Site Code: 444249	***822 SENECA STREET***	***E 1/4 - 1/2 (0.322 mi.)***	***60***	***256***
SILOS AT ELK STREET Site Code: 533076	***50 ELK STREET***	***SSE 1/4 - 1/2 (0.345 mi.)***	***61***	***296***

Lower Elevation	Address	Direction / Distance	Map ID	Page
NEW ERA CAP CO Site Code: 478623	***500 SENECA ST***	***NW 1/8 - 1/4 (0.179 mi.)***	***I38***	***131***

State and tribal Brownfields sites

NY BROWNFIELDS: Brownfields Site List

A review of the NY BROWNFIELDS list, as provided by EDR, and dated 05/14/2018 has revealed that there are 4 NY BROWNFIELDS sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
111 HYDRAULIC STREET Site Code: 425541	111 HYDRAULIC STREET	E 1/4 - 1/2 (0.265 mi.)	56	247
FORMER AMERICAN LINE Site Code: 444249	***822 SENECA STREET***	***E 1/4 - 1/2 (0.322 mi.)***	***60***	***256***
SILOS AT ELK STREET Site Code: 533076	***50 ELK STREET***	***SSE 1/4 - 1/2 (0.345 mi.)***	***61***	***296***

Lower Elevation	Address	Direction / Distance	Map ID	Page
NEW ERA CAP CO Site Code: 478623	***500 SENECA ST***	***NW 1/8 - 1/4 (0.179 mi.)***	***I38***	***131***

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: The EPA's listing of Brownfields properties from the Cleanups in My Community program, which provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

A review of the US BROWNFIELDS list, as provided by EDR, and dated 03/19/2018 has revealed that there are 2 US BROWNFIELDS sites within approximately 0.5 miles of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
GRAPHIC CONTROLS	487-503 & 541-543 SE	NW 1/8 - 1/4 (0.194 mi.)	I41	165
49 LEDDY-SMITH/LEDDY	49 LEDDY STREET	S 1/4 - 1/2 (0.431 mi.)	68	338

Local Lists of Landfill / Solid Waste Disposal Sites

Registered Recycling Facility List from the Department of Environmental Conservation.

A review of the NY SWRCY list, as provided by EDR, and dated 12/08/2017 has revealed that there is 1 NY SWRCY site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WNY PROFESSIONAL FLO	505 HAMBURG STREET	NNW 1/8 - 1/4 (0.153 mi.)	H29	77

Local Lists of Hazardous waste / Contaminated Sites

NY DEL SHWS: A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

A review of the NY DEL SHWS list, as provided by EDR, and dated 05/14/2018 has revealed that there are 2 NY DEL SHWS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
HONEYWELL BUFFALO RE	***20 PEABODY ST***	***SE 1/2 - 1 (0.820 mi.)***	***74***	***367***
BUFFALO COLOR PLANT	***100 LEE STREET***	***SE 1/2 - 1 (0.855 mi.)***	***Q77***	***497***

Records of Emergency Release Reports

NY Spills: Data collected on spills reported to NYSDEC. is required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

A review of the NY Spills list, as provided by EDR, and dated 05/14/2018 has revealed that there are 10 NY Spills sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ABANDONED DRUMS Date Closed: 1997-12-02 Spill Number: 9612609 Site ID: 98691	LARKIN & EXCHANGE ST	E 0 - 1/8 (0.007 mi.)	1	8
DRUMS UNDER HAMBURG Date Closed: 1994-11-02 Spill Number: 9410017 Site ID: 68023	EXCHANGE AND HAMBURG	WNW 0 - 1/8 (0.040 mi.)	A5	20
ARMY/NAVY SURPLUS ST	290 LARKEN ST.	NE 0 - 1/8 (0.057 mi.)	B6	21

Date Closed: 2003-08-08 Spill Number: 0175321 Site ID: 259601				
WORLD AUTO PARTS INC Date Closed: 1993-01-28 Spill Number: 9204432 Site ID: 261845	221-233 LARKIN STREE	SSE 0 - 1/8 (0.061 mi.)	C7	22
NATIONAL GRID TRUCK Date Closed: 2008-05-28 Spill Number: 0802205 Site ID: 398298	ROSEVILLE & LARKIN S	SSE 0 - 1/8 (0.079 mi.)	C8	23
LARKIN BUILDING Date Closed: 1992-08-06 Spill Number: 9202974 Site ID: 276828	SENECA STREET	ENE 0 - 1/8 (0.085 mi.)	D9	24
SENECA INDUSTRIAL Date Closed: 1987-11-14 Date Closed: 2010-03-10 Spill Number: 8706592 Spill Number: 0906836 Site ID: 279588 Site ID: 419196	***701 SENECA STREET***	***ENE 0 - 1/8 (0.111 mi.)***	***D13***	***29***
BETHLEHEM STEEL Date Closed: 2002-06-04 Spill Number: 0275119 Site ID: 81665	400 HAMBURG TURNPIKE	W 0 - 1/8 (0.111 mi.)	E18	42
PERMA TECK Date Closed: 1997-07-21 Spill Number: 9704194 Site ID: 284043	363 HAMBURG STREET	WSW 0 - 1/8 (0.111 mi.)	E19	43
FORMER 101 BLEACH CO Date Closed: 2005-03-07 Spill Number: 0475300 Site ID: 230324	154 VAN RENSSELAER	ESE 0 - 1/8 (0.120 mi.)	F23	51

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 03/01/2018 has revealed that there are 15 RCRA NonGen / NLR sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NYSDOT D256989	***HAMBURG & EXCHANGE S***	***WNW 0 - 1/8 (0.040 mi.)***	***A4***	***18***
SENECA INDUSTRIAL AS	***701 SENECA ST - 2ND***	***ENE 0 - 1/8 (0.111 mi.)***	***D12***	***27***
FORMERLY REPRO GRAPH	701 SENECA ST	ENE 0 - 1/8 (0.111 mi.)	D14	32
NIAGARA ENVELOPE INC	***701 SENECA ST***	***ENE 0 - 1/8 (0.111 mi.)***	***D15***	***34***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TRENCH MANUFACTURING	***703 SENECA ST***	***ENE 1/8 - 1/4 (0.127 mi.)***	***D24***	***52***
GRAPHIC CONTROLS	***189 VAN RENSSELAER S***	***E 1/8 - 1/4 (0.128 mi.)***	***G25***	***55***
NYSDEC/SPILL	***550 SENECA ST***	***NNW 1/8 - 1/4 (0.129 mi.)***	***H28***	***76***
CENTRAL AUTO	***541 SENECA ST***	***NW 1/8 - 1/4 (0.161 mi.)***	***I31***	***78***
ZINSSER CO INC AT SC	***519 HAMBURG ST***	***NNW 1/8 - 1/4 (0.169 mi.)***	***H32***	***81***
DORMITORY AUTHORITY	SWAN ST & SENECA ST	ENE 1/8 - 1/4 (0.209 mi.)	J43	191
NYS THRUWAY AUTH - B	***VAN RENSSELAER ST &***	***SSE 1/8 - 1/4 (0.240 mi.)***	***M54***	***243***

Lower Elevation	Address	Direction / Distance	Map ID	Page
F N BURT BOX FACTORY	500 SENECA ST	NW 1/8 - 1/4 (0.179 mi.)	I37	91
FARGO BUILDING	***493-503 SENECA ST***	***NW 1/8 - 1/4 (0.209 mi.)***	***L46***	***196***
NEW ERA CAP CO	***331 MYRTLE AVE***	***NW 1/8 - 1/4 (0.216 mi.)***	***48***	***199***
BUFFALO MUNICIPAL HO	***492 PERRY ST***	***SW 1/8 - 1/4 (0.245 mi.)***	***55***	***245***

FUDS: The Listing includes locations of Formerly Used Defense Sites Properties where the US Army Corps Of Engineers is actively working or will take necessary cleanup actions.

A review of the FUDS list, as provided by EDR, and dated 01/31/2015 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
NIKE BU 09		NW 1/2 - 1 (0.879 mi.)	82	725

CONSENT: Major Legal settlements that establish responsibility and standards for cleanup at NPL (superfund) sites. Released periodically by U.S. District Courts after settlement by parties to litigation matters.

A review of the CONSENT list, as provided by EDR, and dated 12/31/2017 has revealed that there is 1 CONSENT site within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
BERN METALS - USEPA	***22 BENDER AVE***	***ENE 1/2 - 1 (0.843 mi.)***	***P76***	***490***

NY HSWDS: The List includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity The latest version of the study is frozen in time. The sites on the study will not automatically be made superfund sites, rather each site will be further evaluated for listing in the registry. So overtime they will be added to the registry or not.

A review of the NY HSWDS list, as provided by EDR, and dated 01/01/2003 has revealed that there is 1 NY HSWDS site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MOLLENBERG-BETZ	***300 SCOTT STREET***	***W 1/4 - 1/2 (0.492 mi.)***	***O71***	***348***

EXECUTIVE SUMMARY

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, and dated 04/30/2018 has revealed that there are 20 NY MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ALP STEEL CORP EPA ID: NYD986912491	***650 EXCHANGE ST***	***WNW 0 - 1/8 (0.011 mi.)***	***A2***	***9***
NYSDOT D256989 EPA ID: NYR000033209	***HAMBURG & EXCHANGE S***	***WNW 0 - 1/8 (0.040 mi.)***	***A4***	***18***
SENECA INDUSTRIAL AS EPA ID: NYR000061747	***701 SENECA ST - 2ND***	***ENE 0 - 1/8 (0.111 mi.)***	***D12***	***27***
NIAGARA ENVELOPE INC EPA ID: NYD053592846 EPA ID: NYD002101194	***701 SENECA ST***	***ENE 0 - 1/8 (0.111 mi.)***	***D15***	***34***
TAPECON INC EPA ID: NYD067532606	***701 SENECA ST***	***ENE 0 - 1/8 (0.111 mi.)***	***D16***	***37***
I L M GRAPHICS EPA ID: NYR000094631	***699 SENECA ST***	***ENE 0 - 1/8 (0.112 mi.)***	***D20***	***44***
TRENCH MANUFACTURING EPA ID: NYD981557721	***703 SENECA ST***	***ENE 1/8 - 1/4 (0.127 mi.)***	***D24***	***52***
GRAPHIC CONTROLS EPA ID: NYD002111896	***189 VAN RENSSELAER S***	***E 1/8 - 1/4 (0.128 mi.)***	***G25***	***55***
NYSDEC/SPILL EPA ID: NYP000933515	***550 SENECA ST***	***NNW 1/8 - 1/4 (0.129 mi.)***	***H28***	***76***
NYSDEC EPA ID: NYP003601333	JEFFERSON & MYRTLE	N 1/8 - 1/4 (0.153 mi.)	30	78
CENTRAL AUTO EPA ID: NYR000072058	***541 SENECA ST***	***NW 1/8 - 1/4 (0.161 mi.)***	***I31***	***78***
ZINSSER CO INC AT SC EPA ID: NYR000029033	***519 HAMBURG ST***	***NNW 1/8 - 1/4 (0.169 mi.)***	***H32***	***81***
PARFOAM PRODUCTS EPA ID: NYD982797367	***239 VAN RENSSELAER S***	***ENE 1/8 - 1/4 (0.174 mi.)***	***34***	***86***
NEW YORK STATE DORMI EPA ID: NYD986993954	SWAN & SENECA ST	ENE 1/8 - 1/4 (0.209 mi.)	J44	193
TYSON FOOD INC EPA Id: NYD986971158	***665 PERRY ST***	***SSE 1/8 - 1/4 (0.234 mi.)***	***M52***	***221***
NYS THRUWAY AUTH - B EPA ID: NYD986956720	***VAN RENSSELAER ST &***	***SSE 1/8 - 1/4 (0.240 mi.)***	***M54***	***243***

Lower Elevation	Address	Direction / Distance	Map ID	Page
F N BURT BOX FACTORY EPA ID: NYR000218321	500 SENECA ST	NW 1/8 - 1/4 (0.179 mi.)	I35	90
FARGO BUILDING EPA ID: NYR000106500	***493-503 SENECA ST***	***NW 1/8 - 1/4 (0.209 mi.)***	***L46***	***196***
NEW ERA CAP CO EPA ID: NYD986906295	***331 MYRTLE AVE***	***NW 1/8 - 1/4 (0.216 mi.)***	***48***	***199***
BUFFALO MUNICIPAL HO	***492 PERRY ST***	***SW 1/8 - 1/4 (0.245 mi.)***	***55***	***245***

EPA ID: NYD986875920

NJ MANIFEST: Hazardous waste manifest information.

A review of the NJ MANIFEST list, as provided by EDR, and dated 12/31/2016 has revealed that there are 2 NJ MANIFEST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
GRAPHIC CONTROLS EPA ID: NYD002111896	***189 VAN RENSSELAER S***	***E 1/8 - 1/4 (0.128 mi.)***	***G25***	***55***
TYSON FOOD INC EPA Id: NYD986971158	***665 PERRY ST***	***SSE 1/8 - 1/4 (0.234 mi.)***	***M52***	***221***

PA MANIFEST: Hazardous waste manifest information.

A review of the PA MANIFEST list, as provided by EDR, and dated 12/31/2016 has revealed that there is 1 PA MANIFEST site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
ALP STEEL CORP Generator EPA Id: NYD986912491	650 EXCHANGE ST	WNW 0 - 1/8 (0.011 mi.)	A3	13

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR Hist Auto: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Auto list, as provided by EDR, has revealed that there are 2 EDR Hist Auto sites within approximately 0.125 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
EASTERN GREYHOUND LI	22 ROSEVILLE ST	SE 0 - 1/8 (0.087 mi.)	C10	25
HEEFNER A & SONS SOA	160 VAN RENSSELAER	ESE 0 - 1/8 (0.113 mi.)	F22	50

EXECUTIVE SUMMARY

EDR Hist Cleaner: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR Hist Cleaner list, as provided by EDR, has revealed that there is 1 EDR Hist Cleaner site within approximately 0.125 miles of the target property.

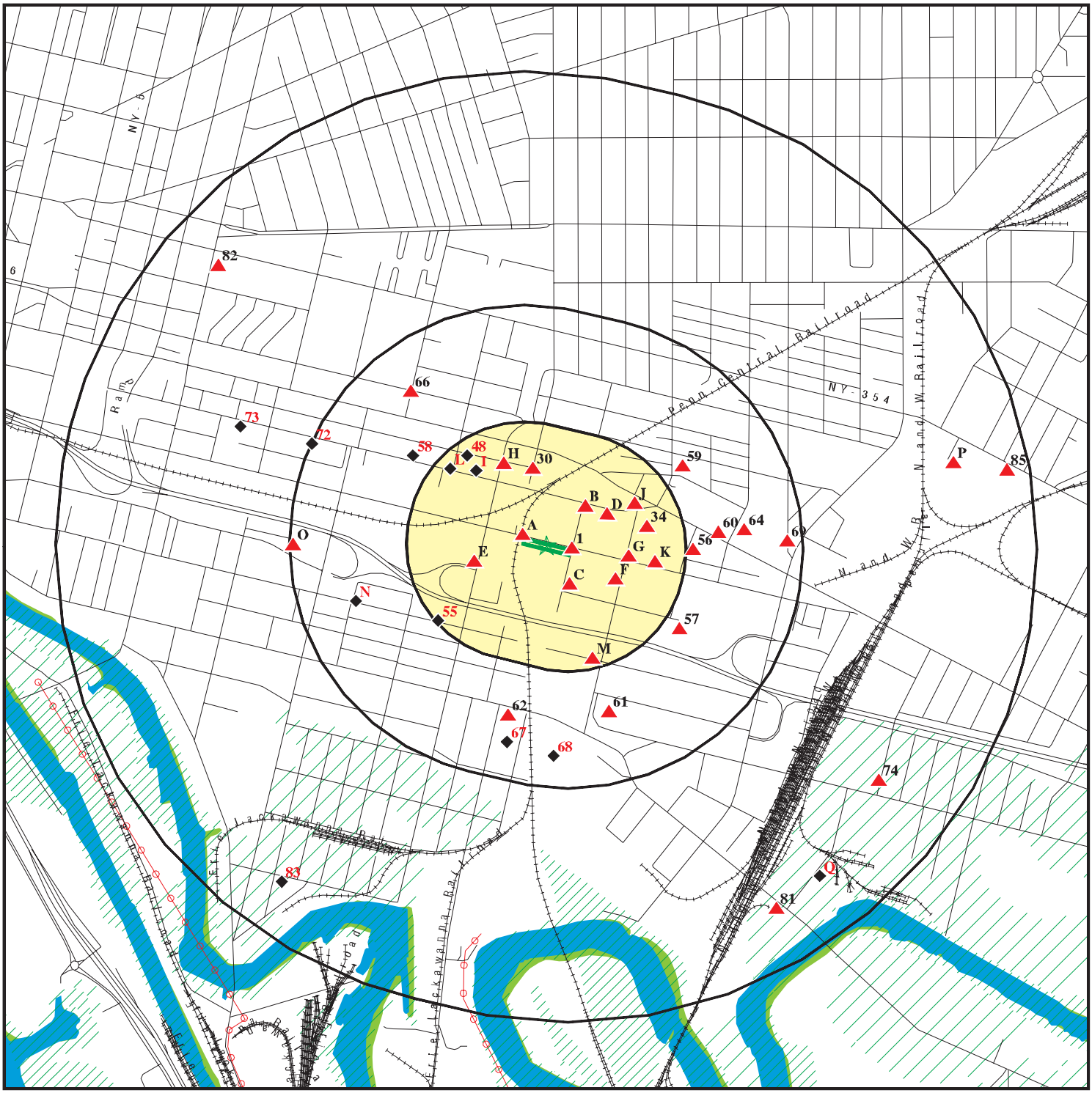
Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
PRISTINE CHEM DRY CA	701 SENECA ST	ENE 0 - 1/8 (0.111 mi.)	D17	42

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 7 records.

Site Name	Database(s)
BUFFALO RIVER - GLNPO DREDGING PRO	NY SHWS
ERIE-LACKAWANNA	NY SHWS
US STEEL - EASTERN LIMESTONE DIVIS	NY SHWS
ALLIED CHEMICAL-HOPKINS ST. SITE	NY SHWS
NEW BUFFALO INDUSTRIAL PARK	NY SHWS
WL MCDOUGALL CO	SEMS-ARCHIVE
UNITED STATES STEEL CORP /BUFFALO	SEMS-ARCHIVE

OVERVIEW MAP - 5346299.2S



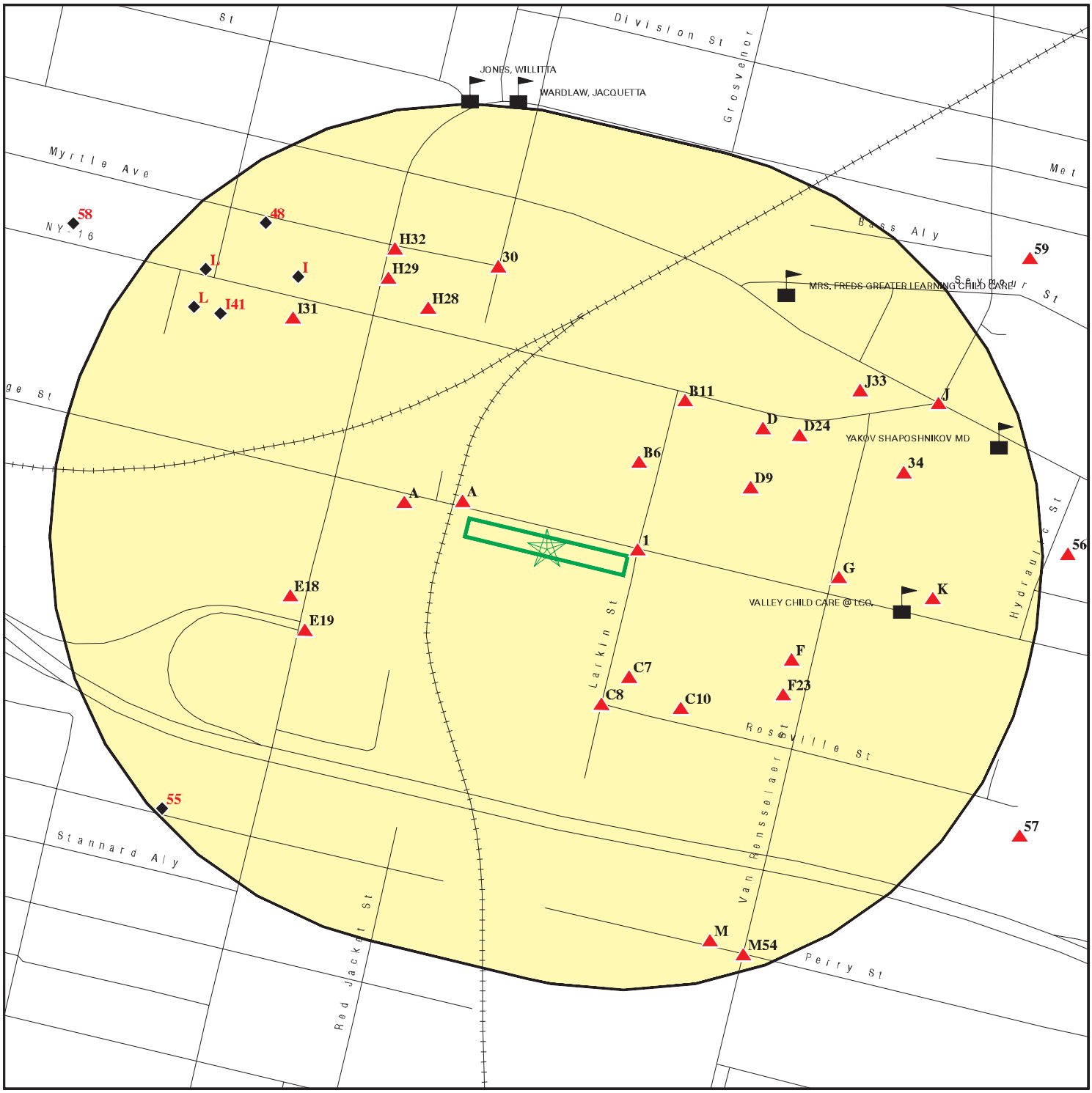
- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites
- Indian Reservations BIA
- Power transmission lines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands
- Upgradient Area

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 619 Exchange St ADDRESS: 619 Exchange St Buffalo NY 14210 LAT/LONG: 42.875149 / 78.854234	CLIENT: TurnKey Environmental Restoration, LLC. CONTACT: Chad Schuster INQUIRY #: 5346299.2s DATE: June 27, 2018 1:31 pm

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DETAIL MAP - 5346299.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

100-year flood zone

500-year flood zone

N

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: 619 Exchange St	CLIENT: TurnKey Environmental Restoration, LLC.
ADDRESS: 619 Exchange St Buffalo NY 14210	CONTACT: Chad Schuster
LAT/LONG: 42.875149 / 78.854234	INQUIRY #: 5346299.2s DATE: June 27, 2018 1:32 pm

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	0.001		0	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	1	0	NR	NR	1
Federal CERCLIS NFRAP site list								
SEMS-ARCHIVE	0.500		0	0	1	NR	NR	1
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	5	NR	5
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		1	1	NR	NR	NR	2
RCRA-CESQG	0.250		2	1	NR	NR	NR	3
Federal institutional controls / engineering controls registries								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
Federal ERNS list								
ERNS	0.001		0	NR	NR	NR	NR	0
State- and tribal - equivalent CERCLIS								
NY SHWS	1.000		0	0	1	5	NR	6
State and tribal landfill and/or solid waste disposal site lists								
NY SWF/LF	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
INDIAN LUST	0.500		0	0	0	NR	NR	0
NY LTANKS	0.500		2	6	11	NR	NR	19
NY HIST LTANKS	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
FEMA UST	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NY UST	0.250		2	6	NR	NR	NR	8
NY CBS UST	0.250		0	0	NR	NR	NR	0
NY MOSF UST	0.500		0	0	0	NR	NR	0
NY CBS	0.250		0	0	NR	NR	NR	0
NY MOSF	0.500		0	0	0	NR	NR	0
NY AST	0.250		0	3	NR	NR	NR	3
NY CBS AST	0.250		0	0	NR	NR	NR	0
NY MOSF AST	0.500		0	0	0	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
NY TANKS	0.250		0	1	NR	NR	NR	1
State and tribal institutional control / engineering control registries								
NY RES DECL	0.125		0	NR	NR	NR	NR	0
NY ENG CONTROLS	0.500		0	1	2	NR	NR	3
NY INST CONTROL	0.500		0	1	2	NR	NR	3
State and tribal voluntary cleanup sites								
NY VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
NY BROWNFIELDS	0.500		0	1	3	NR	NR	4
NY ERP	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	1	1	NR	NR	2
Local Lists of Landfill / Solid Waste Disposal Sites								
NY SWRCY	0.500		0	1	0	NR	NR	1
NY SWTIRE	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
IHS OPEN DUMPS	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	0.001		0	NR	NR	NR	NR	0
NY DEL SHWS	1.000		0	0	0	2	NR	2
US CDL	0.001		0	NR	NR	NR	NR	0
Local Lists of Registered Storage Tanks								
NY HIST UST	0.250		0	0	NR	NR	NR	0
NY HIST AST	0.001		0	NR	NR	NR	NR	0
Local Land Records								
NY LIENS	0.001		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
LIENS 2	0.001		0	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	0.001		0	NR	NR	NR	NR	0
NY Spills	0.125		10	NR	NR	NR	NR	10
NY Hist Spills	0.125		0	NR	NR	NR	NR	0
NY SPILLS 90	0.125		0	NR	NR	NR	NR	0
NY SPILLS 80	0.125		0	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		4	11	NR	NR	NR	15
FUDS	1.000		0	0	0	1	NR	1
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	0.001		0	NR	NR	NR	NR	0
EPA WATCH LIST	0.001		0	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	0.001		0	NR	NR	NR	NR	0
TRIS	0.001		0	NR	NR	NR	NR	0
SSTS	0.001		0	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	0.001		0	NR	NR	NR	NR	0
RAATS	0.001		0	NR	NR	NR	NR	0
PRP	0.001		0	NR	NR	NR	NR	0
PADS	0.001		0	NR	NR	NR	NR	0
ICIS	0.001		0	NR	NR	NR	NR	0
FTTS	0.001		0	NR	NR	NR	NR	0
MLTS	0.001		0	NR	NR	NR	NR	0
COAL ASH DOE	0.001		0	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	0.001		0	NR	NR	NR	NR	0
RADINFO	0.001		0	NR	NR	NR	NR	0
HIST FTTS	0.001		0	NR	NR	NR	NR	0
DOT OPS	0.001		0	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	1	NR	1
INDIAN RESERV	0.001		0	NR	NR	NR	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	0.001		0	NR	NR	NR	NR	0
US AIRS	0.001		0	NR	NR	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
ABANDONED MINES	0.001		0	NR	NR	NR	NR	0
FINDS	0.001		0	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
DOCKET HWC	0.001		0	NR	NR	NR	NR	0
ECHO	0.001		0	NR	NR	NR	NR	0
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0
NY AIRS	0.001		0	NR	NR	NR	NR	0
NY COAL ASH	0.500		0	0	0	NR	NR	0
NY DRYCLEANERS	0.250		0	0	NR	NR	NR	0
NY E DESIGNATION	0.125		0	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NY Financial Assurance	0.001		0	NR	NR	NR	NR	0
NY HSWDS	0.500		0	0	1	NR	NR	1
NY MANIFEST	0.250		6	14	NR	NR	NR	20
WI MANIFEST	0.250		0	0	NR	NR	NR	0
NJ MANIFEST	0.250		0	2	NR	NR	NR	2
PA MANIFEST	0.250		1	0	NR	NR	NR	1
NY SPDES	0.001		0	NR	NR	NR	NR	0
NY VAPOR REOPENED	0.500		0	0	0	NR	NR	0
NY UIC	0.001		0	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0
EDR Hist Auto	0.125		2	NR	NR	NR	NR	2
EDR Hist Cleaner	0.125		1	NR	NR	NR	NR	1
EDR RECOVERED GOVERNMENT ARCHIVES								
Exclusive Recovered Govt. Archives								
NY RGA HWS	0.001		0	NR	NR	NR	NR	0
NY RGA LF	0.001		0	NR	NR	NR	NR	0
- Totals --		0	31	51	22	14	0	118

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

1
East
< 1/8
0.007 mi.
39 ft.

ABANDONED DRUMS
LARKIN & EXCHANGE STREETS
BUFFALO, NY

NY Spills **S102561371**
N/A

Relative:
Higher

Actual:
589 ft.

SPILLS:

Facility ID:	9612609
Facility Type:	ER
Spill Number:	9612609
DER Facility ID:	87774
Site ID:	98691
DEC Region:	9
Closed Date:	1997-12-02
Spill Cause:	Abandoned Drums
Spill Class:	C1
SWIS:	1502
Spill Date:	1997-01-22
Investigator:	SACALAND
Referred To:	Not reported
Reported to Dept:	1997-01-23
CID:	369
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	1997-01-24
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1997-01-23
Spill Record Last Update:	1998-01-13
Spiller Name:	Not reported
Spiller Company:	UNKNOWN
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was SAC 1/22/97: SAC INSPECTION, FOUND DRUMS, NO SIGNIFICANT MARKINGS, DRUMS APPEARED INTACT, CITY OF BUFFALO STREETS AT SITE ALONG WITH BOB WAVER/ALP STEEL CORP., CITY TRANSPORTED DRUMS TO BROADWAY STREETS GARAGE, LEFT MESSAGE WITH PEDRO ORTIZ/BUFFALO FIRE DEPT. CITY LETTING SPILLS SAMPLE & DISPOSE OF DRUMS. 1/23/97: INSPECTED DRUMS, ONE WAS SPLIT AT TOP WITH SOLID MATERIAL, SPOKE WITH TOM LAUDICO/CITY GARAGE, CONFIRMING THAT THESE WERE THE DRUMS THAT WERE DUMPED, EP&S OUT TO OVERPACK AND SAMPLE DRUMS, SOLID MATERIAL IN ONE DRUM, SLUDGE IN TWO DRUMS AND ONE HAD LIQUID THAT WAS FROZEN ON TOP, ONE DRUM STAGED ON-SITE THAT WAS FROM PREVIOUS PICK-UPS BY CITY WAS LEAKING, THIS DRUM WAS ALSO OVERPACKED AND SAMPLED. DRUMS WERE TRANSPORTED AND STAGED AT THE BUFFALO SEWER AUTHORITY. 2/10/97: RECEIVED PAYMENT PACKAGE FOR WORK FROM EP&S, TWO INVOICES DO NOT CORRESPOND, CALLED LINDA SCOTT FOR CLARIFICATION, LINDA WILL CALL MAIN OFFICE FOR RESOLUTION. 2/11/97: SAC TELECON LINDA SCOTT/EP&S, LINDA SPOKE WITH MAIN OFFICE WHICH CONFIRMED A MISTAKE WAS MADE, LINDA SAID TO DISREGARD THE BILL AND A NEW ONE WOULD BE FORWARDED. 2/18/97: ECEIVED CORRECTED PAYMENT PACKAGE FROM EP&S, PACKAGE WAS PROCESSED. 2/20/97: RECEIVED RESULTS, #4 FUEL OIL WAS DETECTED AND LEAD WAS ANALYZED AT 700ppm, REANALYSIS OF LEAD BY TCLP IS NECESSARY. 3/10/97: RECEIVED

ABANDONED DRUMS (Continued) **S102561371**

RESULTS FOR REANALYSIS OF LEAD, RESULTS WERE < 5 ppm, BILL GALLOWAY-EP&S WILL FOLLOW THROUGH WITH DISPOSAL. 5/1/97: RECEIVED PAYMENT PACKAGE FROM EP&S, DRUM DISPOSAL HAS BEEN COMPLETED. 12/2/97: REVIEWED FILE, ALL PAYMENT PACKAGES PROCESSED. "

Remarks: "FOUND 4 ABANDONED TANKS IN ROAD "

All Materials:

Site ID:	98691
Operable Unit ID:	1040406
Operable Unit:	01
Material ID:	341257
Material Code:	0064A
Material Name:	unknown material
Case No.:	Not reported
Material FA:	Other
Quantity:	220.00
Units:	G
Recovered:	220.00
Oxygenate:	Not reported

A2 **ALP STEEL CORP** **RCRA-CESQG** **1000447081**
WNW **650 EXCHANGE ST** **FINDS** **NYD986912491**
< 1/8 **BUFFALO, NY 14210** **ECHO**
0.011 mi. **NY MANIFEST**
60 ft. **Site 1 of 4 in cluster A**

Relative:
Higher

Actual:
589 ft.

RCRA-CESQG:

Date form received by agency:	01/01/2007
Facility name:	ALP STEEL CORP
Facility address:	650 EXCHANGE ST BUFFALO, NY 14210
EPA ID:	NYD986912491
Mailing address:	EXCHANGE ST BUFFALO, NY 14210
Contact:	ROBERT JR WAVER
Contact address:	EXCHANGE ST BUFFALO, NY 14210
Contact country:	US
Contact telephone:	716-854-3030
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

ALP STEEL CORP (Continued) **1000447081**

Owner/Operator Summary:
- Owner/operator name: ALP STEEL CORP
- Owner/operator address: NOT REQUIRED
  NOT REQUIRED, WY 99999
- Owner/operator country: US
- Owner/operator telephone: 212-555-1212
- Owner/operator email: Not reported
- Owner/operator fax: Not reported
- Owner/operator extension: Not reported
- Legal status: Private
- Owner/Operator Type: Owner
- Owner/Op start date: Not reported
- Owner/Op end date: Not reported

- Owner/operator name: ALP STEEL CORP
- Owner/operator address: NOT REQUIRED
  NOT REQUIRED, WY 99999
- Owner/operator country: US
- Owner/operator telephone: 212-555-1212
- Owner/operator email: Not reported
- Owner/operator fax: Not reported
- Owner/operator extension: Not reported
- Legal status: Private
- Owner/Operator Type: Operator
- Owner/Op start date: Not reported
- Owner/Op end date: Not reported

Handler Activities Summary:
- U.S. importer of hazardous waste: No
- Mixed waste (haz. and radioactive): No
- Recycler of hazardous waste: No
- Transporter of hazardous waste: No
- Treater, storer or disposer of HW: No
- Underground injection activity: No
- On-site burner exemption: No
- Furnace exemption: No
- Used oil fuel burner: No
- Used oil processor: No
- User oil refiner: No
- Used oil fuel marketer to burner: No
- Used oil Specification marketer: No
- Used oil transfer facility: No
- Used oil transporter: No

Historical Generators:
- Date form received by agency: 01/01/2006
- Site name: ALP STEEL CORP
- Classification: Conditionally Exempt Small Quantity Generator

- Date form received by agency: 02/10/1992
- Site name: ALP STEEL
- Classification: Large Quantity Generator

- Date form received by agency: 09/11/1990
- Site name: ALP STEEL CORP
- Classification: Small Quantity Generator

ALP STEEL CORP (Continued) **1000447081**

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D008
. Waste name: LEAD

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 01/12/2001
Date achieved compliance: 01/12/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/19/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 01/24/1991
Date achieved compliance: 04/12/1991
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/31/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 05/02/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/12/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 01/12/2001
Evaluation lead agency: State

ALP STEEL CORP (Continued) **1000447081**

Evaluation date: 02/21/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/24/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/12/1991
Evaluation lead agency: State

Evaluation date: 11/21/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

FINDS:

Registry ID: 110004452654

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000447081
Registry ID: 110004452654
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004452654

NY MANIFEST:
Country: USA
EPA ID: NYD986912491
Facility Status: Not reported
Location Address 1: 650 EXCHANGE ST
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BUFFALO
Location State: NY
Location Zip: 14210
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYD986912491
Mailing Name: ALP STEEL CORP
Mailing Contact: ROBERT WAVER
Mailing Address 1: PO BOX 1085

ALP STEEL CORP (Continued) **1000447081**

Mailing Address 2:	Not reported
Mailing City:	BUFFALO
Mailing State:	NY
Mailing Zip:	14220
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	7168543030

A3 **ALP STEEL CORP** **PA MANIFEST** **S109244752**
WNW **650 EXCHANGE ST** **N/A**
< 1/8 **BUFFALO, NY 14210**
0.011 mi.
60 ft. **Site 2 of 4 in cluster A**

Relative:
Higher

Actual:
589 ft.

Manifest Details:

Year:	2016
Manifest Number:	001215696FLE
Manifest Type:	TSD Copy
Generator EPA Id:	NYD986912491
Generator Date:	05/31/2016
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	716-854-3030
TSD EPA Id:	Not reported
TSD Date:	Not reported
TSD Facility Name:	Cycle Chem Inc
TSD Facility Address:	550 Industrial Rd
TSD Facility City:	Lewisberry
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D001
Container Number:	4
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	210
Unit:	Gallons (liquids only)
Handling Code:	Not reported
TSP EPA Id:	PAD067098822
Date TSP Sig:	Not reported

Year:	2013
Manifest Number:	001215983FLE
Manifest Type:	TSD Copy
Generator EPA Id:	NYD986912491
Generator Date:	10/23/2013
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	716-854-3030
TSD EPA Id:	Not reported
TSD Date:	Not reported
TSD Facility Name:	Cycle Chem Inc
TSD Facility Address:	550 Industrial Rd
TSD Facility City:	Lewisberry
TSD Facility State:	PA

ALP STEEL CORP (Continued) **S109244752**

Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D001
Container Number:	3
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	165
Unit:	Gallons (liquids only)
Handling Code:	Not reported
TSP EPA Id:	PAD067098822
Date TSP Sig:	Not reported
Year:	2012
Manifest Number:	001215728FLE
Manifest Type:	TSD Copy
Generator EPA Id:	NYD986912491
Generator Date:	05/02/2012
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	716-854-3030
TSD EPA Id:	Not reported
TSD Date:	Not reported
TSD Facility Name:	CYCLE CHEM INC
TSD Facility Address:	550 INDUSTRIAL DR
TSD Facility City:	LEWISBERRY
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D007
Container Number:	3
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	150
Unit:	Gallons (liquids only)
Handling Code:	Not reported
TSP EPA Id:	PAD067098822
Date TSP Sig:	Not reported
Year:	2012
Manifest Number:	001215728FLE
Manifest Type:	TSD Copy
Generator EPA Id:	NYD986912491
Generator Date:	05/02/2012
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	716-854-3030
TSD EPA Id:	Not reported
TSD Date:	Not reported
TSD Facility Name:	CYCLE CHEM INC
TSD Facility Address:	550 INDUSTRIAL DR
TSD Facility City:	LEWISBERRY
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1

ALP STEEL CORP (Continued) **S109244752**

Waste Number:	D001
Container Number:	3
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	150
Unit:	Gallons (liquids only)
Handling Code:	Not reported
TSP EPA Id:	PAD067098822
Date TSP Sig:	Not reported
Year:	2012
Manifest Number:	001215728FLE
Manifest Type:	TSD Copy
Generator EPA Id:	NYD986912491
Generator Date:	05/02/2012
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	716-854-3030
TSD EPA Id:	Not reported
TSD Date:	Not reported
TSD Facility Name:	CYCLE CHEM INC
TSD Facility Address:	550 INDUSTRIAL DR
TSD Facility City:	LEWISBERRY
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D008
Container Number:	3
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	150
Unit:	Gallons (liquids only)
Handling Code:	Not reported
TSP EPA Id:	PAD067098822
Date TSP Sig:	Not reported
Year:	2009
Manifest Number:	001215803FLE
Manifest Type:	TSD Copy
Generator EPA Id:	NYD986912491
Generator Date:	12/17/2009
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	716-854-3030
TSD EPA Id:	PAD067098822
TSD Date:	Not reported
TSD Facility Name:	CYCLE CHEM INC
TSD Facility Address:	550 INDUSTRIAL DRIVE
TSD Facility City:	LEWISBERRY
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D008
Container Number:	3
Container Type:	Metal drums, barrels, kegs

ALP STEEL CORP (Continued) **S109244752**

Waste Quantity: 165
Unit: Gallons (liquids only)
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2009
Manifest Number: 001215803FLE
Manifest Type: TSD Copy
Generator EPA Id: NYD986912491
Generator Date: 12/17/2009
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: 716-854-3030
TSD EPA Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 1
Waste Number: D001
Container Number: 3
Container Type: Metal drums, barrels, kegs
Waste Quantity: 165
Unit: Gallons (liquids only)
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2009
Manifest Number: 001215803FLE
Manifest Type: TSD Copy
Generator EPA Id: NYD986912491
Generator Date: 12/17/2009
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: Not reported
Contact Phone: 716-854-3030
TSD EPA Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 1
Waste Number: D007
Container Number: 3
Container Type: Metal drums, barrels, kegs
Waste Quantity: 165
Unit: Gallons (liquids only)
Handling Code: Not reported

ALP STEEL CORP (Continued) **S109244752**

TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2007
Manifest Number: 001215917FLE
Manifest Type: Not reported
Generator EPA Id: NYD986912491
Generator Date: 11/21/2007
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: ROBERT WAVER
Contact Phone: 716-854-3030
TSD EPA Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 1
Waste Number: D008
Container Number: 2
Container Type: Metal drums, barrels, kegs
Waste Quantity: 110
Unit: Gallons (liquids only)
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

Year: 2007
Manifest Number: 001215917FLE
Manifest Type: Not reported
Generator EPA Id: NYD986912491
Generator Date: 11/21/2007
Mailing Address: Not reported
Mailing City,St,Zip: Not reported
Contact Name: ROBERT WAVER
Contact Phone: 716-854-3030
TSD EPA Id: PAD067098822
TSD Date: Not reported
TSD Facility Name: CYCLE CHEM INC
TSD Facility Address: 550 INDUSTRIAL DRIVE
TSD Facility City: LEWISBERRY
TSD Facility State: PA
Facility Telephone: Not reported
Page Number: 1
Line Number: 1
Waste Number: D007
Container Number: 2
Container Type: Metal drums, barrels, kegs
Waste Quantity: 110
Unit: Gallons (liquids only)
Handling Code: Not reported
TSP EPA Id: Not reported
Date TSP Sig: Not reported

ALP STEEL CORP (Continued) **S109244752**

Click this hyperlink while viewing on your computer to access
1 additional PA_MANIFEST: record(s) in the EDR Site Report.

A4 **NYSDOT D256989** **RCRA NonGen / NLR** **1001124946**
WNW **HAMBURG & EXCHANGE ST CONRAIL** **NY MANIFEST** **NYR000033209**
< 1/8 **BUFFALO, NY 14203**
0.040 mi.
213 ft. **Site 3 of 4 in cluster A**

Relative:
Higher

Actual:
590 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	NYSDOT D256989
Facility address:	HAMBURG & EXCHANGE ST CONRAIL RTE 16 HWY RECON REPLACE 3 BRG BUFFALO, NY 14203
EPA ID:	NYR000033209
Mailing address:	GEN DOVOVAN BLDG 125 MAIN ST BUFFALO, NY 14203-3088
Contact:	LARRY GRAZIANO
Contact address:	GEN DOVOVAN BLDG 125 MAIN ST BUFFALO, NY 14203-3088
Contact country:	US
Contact telephone:	716-847-3122
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	NYSDOT - EMINENT DOMAIN
Owner/operator address:	GEN DONOVAN BLDG 125 MAIN ST BUFFALO, NY 14203
Owner/operator country:	US
Owner/operator telephone:	716-847-3122
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	State
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	NYSDOT - EMINENT DOMAIN
Owner/operator address:	GEN DONOVAN BLDG 125 MAIN ST BUFFALO, NY 14203
Owner/operator country:	US
Owner/operator telephone:	716-847-3122
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	State
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No

NYSDOT D256989 (Continued) **1001124946**

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: NYSDOT D256989
Classification: Not a generator, verified

Date form received by agency: 12/13/1996
Site name: NYSDOT D256989
Classification: Not a generator, verified

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

NY MANIFEST:
Country: USA
EPA ID: NYR000033209
Facility Status: Not reported
Location Address 1: N/S
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: N/S
Location State: NY
Location Zip: Not reported
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYR000033209
Mailing Name: NYSDOT BIN 2011980
Mailing Contact: EUGENE F WARDZINSKI
Mailing Address 1: GEN DONOVAN BLDG 125 MAIN ST
Mailing Address 2: Not reported
Mailing City: BUFFALO
Mailing State: NY
Mailing Zip: 14203
Mailing Zip 4: Not reported

NYSDOT D256989 (Continued) **1001124946**

Mailing Country: USA
Mailing Phone: 7166272222

A5
WNW
< 1/8
0.040 mi.
213 ft.

DRUMS UNDER HAMBURG BRIDG
EXCHANGE AND HAMBURG STRS
BUFFALO, NY

NY Spills **S102179117**
N/A

Site 4 of 4 in cluster A

Relative:
Higher

Actual:
590 ft.

SPILLS:

Facility ID:	9410017
Facility Type:	ER
Spill Number:	9410017
DER Facility ID:	64919
Site ID:	68023
DEC Region:	9
Closed Date:	1994-11-02
Spill Cause:	Deliberate
Spill Class:	E6
SWIS:	1502
Spill Date:	1994-10-01
Investigator:	COOKE
Referred To:	Not reported
Reported to Dept:	1994-10-26
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Other
Cleanup Ceased:	1994-11-02
Cleanup Meets Std:	True
Last Inspection:	1994-10-28
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1994-11-02
Spill Record Last Update:	1994-11-23
Spiller Name:	Not reported
Spiller Company:	STEVE BRYER
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was JDC 11/02/94: JDC ON SITE W/ D SZYMANSKI, HWR AND MET W/ LOCAL PROPERTY OWNER STEVE PORYCZ-842-0259 AND FOUND APPROX 30 DRUMS, EMPTY. TRAILERS CONTAINED MISC DEBRIS, NO DRUMS OR SPILLAGE. NO FURTHER ACTION. "
Remarks:	"DRUMS IN 5 ABANDONED TRAILERS ALONG RAILROAD AT HAMBURG BRIDGE"

All Materials:

Site ID:	68023
Operable Unit ID:	1003986
Operable Unit:	01
Material ID:	375885
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum

DRUMS UNDER HAMBURG BRIDG (Continued) **S102179117**

Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

B6 **ARMY/NAVY SURPLUS STORE** **NY Spills** **S105142317**
NE **290 LARKEN ST.** **N/A**
< 1/8 **BUFFALO, NY**
0.057 mi.
302 ft. **Site 1 of 2 in cluster B**

Relative: **Higher**

Actual: **589 ft.**

SPILLS:

Facility ID:	0175321
Facility Type:	ER
Spill Number:	0175321
DER Facility ID:	212315
Site ID:	259601
DEC Region:	9
Closed Date:	2003-08-08
Spill Cause:	Housekeeping
Spill Class:	E6
SWIS:	1502
Spill Date:	2001-09-19
Investigator:	MXFRANKS
Referred To:	Not reported
Reported to Dept:	2001-09-19
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Citizen
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	2002-11-14
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2001-09-19
Spill Record Last Update:	2003-08-08
Spiller Name:	BOB MURRY
Spiller Company:	ARMY/NAVY SURPLUS STORE
Spiller Address:	290 LARKIN ST
Spiller Company:	001
Contact Name:	ROBERT MURRY
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MF 11/27/01: MF S/I/BOB MURRY, OWNER OF ARMY/NAVY STORE. THERE ISS NO LIQUIDS IN THE STORE BESIDES WATER. HE TOLD HE THERE IS KEROSENE STORED IN ANOTHER LOCKED PART OF STORE BUT HE DOSN'T HAVE A KEY. HE WILL GET A KEY & CALL ME. KEROSENE IS FOR A HEATER , TOLD HIM TO CHECK WITH FIRE DEPT TO SEE IF MATERAL CAN BE STORED INSIDE. 11/28/01: MF T/C/CALLER, NUMBER NO LONGER IN SERVICE. 11/14/02: MF S/I, ROBERT GEIST, MANAGER OF THE STORE NOT IN. LEFT MESSAGE TO CALL ME. 08/08/03: MF DEAD ISSUE, NO FURTHER ACTION POSSIBLE. **********COMPUTER FILE ONLY**********"
Remarks:	"CALLER SAID THAT THERE ARE VARIOUS CHEMICALS STORED IN THE BUILDING AND ONE OF THEM IS LAEKING THAT LOOKS LIKE AN OIL."

All Materials:

ARMY/NAVY SURPLUS STORE (Continued) **S105142317**

Site ID:	259601
Operable Unit ID:	853094
Operable Unit:	01
Material ID:	524642
Material Code:	0064A
Material Name:	unknown material
Case No.:	Not reported
Material FA:	Other
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

C7 **WORLD AUTO PARTS INC** **NY Spills** **S104498101**
SSE **221-233 LARKIN STREET** **N/A**
< 1/8 **BUFFALO, NY**
0.061 mi.
324 ft. **Site 1 of 3 in cluster C**

Relative: **Higher**
Actual: **589 ft.**

SPILLS:

Facility ID:	9204432
Facility Type:	ER
Spill Number:	9204432
DER Facility ID:	213835
Site ID:	261845
DEC Region:	9
Closed Date:	1993-01-28
Spill Cause:	Housekeeping
Spill Class:	C3
SWIS:	1502
Spill Date:	1992-07-01
Investigator:	RMCROSSE
Referred To:	Not reported
Reported to Dept:	1992-07-16
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	DEC
Cleanup Ceased:	1993-01-28
Cleanup Meets Std:	True
Last Inspection:	1993-01-14
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1992-07-27
Spill Record Last Update:	1993-02-01
Spiller Name:	Not reported
Spiller Company:	WORLD AUTO PARTS INC
Spiller Address:	BOX 307
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was RMC 07/14/92: RMC/SITE 16 TRUCKS 8 HAVE USED OIL UNDER THEM, PATH LEADS TO STORM SEWER. 01/11/93: RMC/SITE - UNCHANGED; NO ONE AROUND. 01/23/93: RMC/ROBERT MAYER/PHONE - ADVISED TO USE SPEEDY-DRI ON SPILLS AND TO INFORM EMPLOYEES OF PROPER PETROLEUM HANDLING METHODS. LETTER SENT. 01/28/93: RMC/FILE REVIEW RP WILL TAKE STEPS TO LESSEN

WORLD AUTO PARTS INC (Continued) **S104498101**

PROBLEM IN THE SALVAGE YARD, LETTER SENT FOR THE RECORD. CLOSE OUT. "
Remarks: "OIL UNDER SEVERAL TRUCKS"

All Materials:
Site ID: 261845
Operable Unit ID: 971824
Operable Unit: 01
Material ID: 412157
Material Code: 0066A
Material Name: unknown petroleum
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

C8 **NATIONAL GRID TRUCK** **NY Spills** **S109063245**
SSE **ROSEVILLE & LARKIN STREET** **N/A**
< 1/8 **BUFFALO, NY**
0.079 mi.
416 ft. **Site 2 of 3 in cluster C**

Relative: **Higher**
Actual: **590 ft.**

SPILLS:
Facility ID: 0802205
Facility Type: ER
Spill Number: 0802205
DER Facility ID: 347661
Site ID: 398298
DEC Region: 9
Closed Date: 2008-05-28
Spill Cause: Equipment Failure
Spill Class: C4
SWIS: 1542
Spill Date: 2008-05-27
Investigator: TDJOHNSO
Referred To: Not reported
Reported to Dept: 2008-05-27
CID: 444
Water Affected: Not reported
Spill Source: Commercial Vehicle
Spill Notifier: Responsible Party
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: Not reported
Remediation Phase: 0
Date Entered In Computer: 2008-05-27
Spill Record Last Update: 2008-08-08
Spiller Name: LISA MONTSANO
Spiller Company: NATIONAL GRID TRUCK
Spiller Address: ROSEVILLE & LARKIN STREET
Spiller Company: 001
Contact Name: LISA MONTSANO
DEC Memo: "05/27/08 National Grid spill response team responded to spill on paved parking area. Hydralic fluid was soaked up with absorbent

NATIONAL GRID TRUCK (Continued) **S109063245**

material and washed clean. 05/28/08 Checked site, cleanup complete. FILE CLOSED ELECTRONIC COPY ONLY"

Remarks: "LINE LEAKED AND CREW TO CLEAN"

All Materials:

Site ID:	398298
Operable Unit ID:	1155191
Operable Unit:	01
Material ID:	2146051
Material Code:	0010
Material Name:	hydraulic oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

D9 **LARKIN BUILDING** **NY Spills** **S102174612**
ENE **SENECA STREET** **N/A**
< 1/8 **BUFFALO, NY**
0.085 mi.
449 ft. **Site 1 of 9 in cluster D**

Relative: **Higher**

Actual: **590 ft.**

SPILLS:

Facility ID:	9202974
Facility Type:	ER
Spill Number:	9202974
DER Facility ID:	284391
Site ID:	276828
DEC Region:	9
Closed Date:	1992-08-06
Spill Cause:	Deliberate
Spill Class:	C3
SWIS:	1502
Spill Date:	1992-06-10
Investigator:	RMCROSSE
Referred To:	Not reported
Reported to Dept:	1992-06-10
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Affected Persons
Cleanup Ceased:	1992-08-06
Cleanup Meets Std:	True
Last Inspection:	1992-06-11
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1992-06-16
Spill Record Last Update:	1992-08-25
Spiller Name:	Not reported
Spiller Company:	TAPECON INC
Spiller Address:	2ND FLOOR LARKIN BULIDING
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was

LARKIN BUILDING (Continued) **S102174612**

RMC 06/11/92: RMC/JIM CURSO/JIM OVERHOLT/PHONE JIM MADE SITE VISIT, FOUND PROBLEM, WILL SEND COMPLETE REPORT. 08/06/92: RMC/RECEIVED BSA REPORT... CLOSE OUT. 09/29/95: This is additional information about material spilled from the translation of the old spill file: ACETONE + XYLENE."

Remarks: "CALLER CLAIMS THAT SOLVENTS ARE BEING DUMPED INTO SEWER VIA DRAINS ON 2ND FLOOR OF LARKIN BUILDING BY TAPECON INC. MELTED PIPES."

C10 **EASTERN GREYHOUND LINES** **EDR Hist Auto** **1014539547**
SE **22 ROSEVILLE ST** **N/A**
< 1/8 **BUFFALO, NY**
0.087 mi.
461 ft. **Site 3 of 3 in cluster C**

Relative: EDR Hist Auto
Higher

Actual: Year: Name: Type:
590 ft. 1930 EASTERN GREYHOUND LINES AUTOMOBILE GARAGES

B11 **LARKIN LOFTS** **NY UST** **U003758192**
NE **REAR 635 - 649 SENECA STREET** **N/A**
< 1/8 **BUFFALO, NY 14210**
0.100 mi.
530 ft. **Site 2 of 2 in cluster B**

Relative: UST:
Higher

Actual:
590 ft.

Id/Status:	9-600506 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	9
Expiration Date:	06/09/2020
UTM X:	185335.00480
UTM Y:	4754296.49275
Site Type:	Other

Affiliation Records:

Site Id:	55352
Affiliation Type:	Mail Contact
Company Name:	LARKIN LOFTS, LLC
Contact Type:	Not reported
Contact Name:	LORI MCDERMOTT
Address1:	701 SENECA STREET
Address2:	SUITE 200
City:	BUFFALO
State:	NY
Zip Code:	14210
Country Code:	001
Phone:	(716) 856-0810
EMail:	LMCDERMOTT@LARKINCENTER.COM
Fax Number:	Not reported
Modified By:	SLZIEMBA
Date Last Modified:	2015-06-09

Site Id:	55352
Affiliation Type:	Facility Operator
Company Name:	LARKIN LOFTS
Contact Type:	Not reported

LARKIN LOFTS (Continued) **U003758192**

Contact Name:	N/A INACTIVE
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(716) 856-0810
EMail:	Not reported
Fax Number:	Not reported
Modified By:	SLZIEMBA
Date Last Modified:	2015-06-09

Site Id:	55352
Affiliation Type:	Emergency Contact
Company Name:	LARKIN LOFTS, LLC
Contact Type:	Not reported
Contact Name:	LORI MCDERMOTT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(716) 856-0810
EMail:	Not reported
Fax Number:	Not reported
Modified By:	SLZIEMBA
Date Last Modified:	2015-06-09

Site Id:	55352
Affiliation Type:	Facility Owner
Company Name:	LARKIN LOFTS, LLC
Contact Type:	MANAGER
Contact Name:	JAMES W. CORNELL
Address1:	701 SENECA STREET, SUITE 200
Address2:	Not reported
City:	BUFFALO
State:	NY
Zip Code:	14210
Country Code:	001
Phone:	(716) 856-0810
EMail:	Not reported
Fax Number:	Not reported
Modified By:	SLZIEMBA
Date Last Modified:	2015-06-09

Tank Info:

Tank Number:	001
Tank ID:	174031
Tank Status:	Temporarily Out of Service
Material Name:	Temporarily Out of Service
Capacity Gallons:	12000
Install Date:	10/01/1988
Date Tank Closed:	Not reported
Registered:	True

LARKIN LOFTS (Continued) **U003758192**

Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0003
Common Name of Substance: #6 Fuel Oil (On-Site Consumption)

Tightness Test Method: ZZ
Date Test: 10/01/1988
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: LDGOMEZ
Last Modified: 04/14/2017

Equipment Records:

F02 - Pipe External Protection - Original Sacrificial Anode
C03 - Pipe Location - Aboveground/Underground Combination
J02 - Dispenser - Suction Dispenser
B02 - Tank External Protection - Original Sacrificial Anode
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
F01 - Pipe External Protection - Painted/Asphalt Coating
H01 - Tank Leak Detection - Interstitial - Electronic Monitoring
E00 - Piping Secondary Containment - None
I02 - Overfill - High Level Alarm
K01 - Spill Prevention - Catch Basin
L09 - Piping Leak Detection - Exempt Suction Piping
G04 - Tank Secondary Containment - Double-Walled (Underground)

D12 **SENECA INDUSTRIAL ASSOCIATES** **RCRA NonGen / NLR** **1004760823**
ENE **701 SENECA ST - 2ND FLOOR** **NY MANIFEST** **NYR000061747**
< 1/8 **BUFFALO, NY 14210**
0.111 mi.
585 ft. **Site 2 of 9 in cluster D**

Relative:
Higher

Actual:
590 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: SENECA INDUSTRIAL ASSOCIATES
Facility address: 701 SENECA ST - 2ND FLOOR
BUFFALO, NY 14210
EPA ID: NYR000061747
Mailing address: SENECA ST - 2ND FLOOR
BUFFALO, NY 14210
Contact: ALAN DEWART
Contact address: SENECA ST - 2ND FLOOR
BUFFALO, NY 14210
Contact country: US
Contact telephone: 716-856-0810
Contact email: Not reported
EPA Region: 02
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: ALAN DEWART
Owner/operator address: 701 SENECA ST
BUFFALO, NY 14210
Owner/operator country: US
Owner/operator telephone: 716-856-0810

SENECA INDUSTRIAL ASSOCIATES (Continued) **1004760823**

Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: ALAN DEWART
Owner/operator address: 701 SENECA ST
BUFFALO, NY 14210
Owner/operator country: US
Owner/operator telephone: 716-856-0810
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: SENECA INDUSTRIAL ASSOCIATES
Classification: Not a generator, verified

Date form received by agency: 09/18/1998
Site name: SENECA INDUSTRIAL ASSOCIATES
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: NONE
. Waste name: None

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 11/28/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

SENECA INDUSTRIAL ASSOCIATES (Continued) **1004760823**

Date achieved compliance: Not reported
Evaluation lead agency: State

NY MANIFEST:
Country: USA
EPA ID: NYR000061747
Facility Status: Not reported
Location Address 1: 701 SENECA ST
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BUFFALO
Location State: NY
Location Zip: 14210
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYR000061747
Mailing Name: SENECA INDUSTRIAL CENTER
Mailing Contact: N/S
Mailing Address 1: 701 SENECA ST
Mailing Address 2: Not reported
Mailing City: BUFFALO
Mailing State: NY
Mailing Zip: 14210
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 7168368190

D13 **SENECA INDUSTRIAL** **NY LTANKS** **S109943144**
ENE **701 SENECA STREET** **NY Spills** **N/A**
< 1/8 **BUFFALO, NY**
0.111 mi.
585 ft. **Site 3 of 9 in cluster D**

Relative: **Higher**
Actual: **590 ft.**

LTANKS:
Facility ID: 9204279
Site ID: 279589
Closed Date: 1992-11-09
Spill Number: 9204279
Spill Date: 1992-07-01
Spill Cause: Tank Overfill
Spill Source: Commercial/Industrial
Spill Class: C3
Cleanup Ceased: 1992-11-09
SWIS: 1502
Investigator: RMCROSSE
Referred To: Not reported
Reported to Dept: 1992-07-14
CID: Not reported
Water Affected: Not reported
Spill Notifier: Citizen
Last Inspection: 1992-10-16
Recommended Penalty: False
Meets Standard: True
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 1992-07-16

SENECA INDUSTRIAL (Continued) **S109943144**

Spill Record Last Update:	1992-11-16
Spiller Name:	Not reported
Spiller Company:	SENECA INDUSTRIAL ASSOC.
Spiller Address:	701 SENECA STREET
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	227038
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was RMC 07/14/92: RMC/SITE NO PROBLEM FOUND. CHECKED PBS NO REGISTERED AN SITE. CO WILL GET MORE INFORMATION. 08/07/92: RMC/ALAN DEWART/SITE 100-200 GALLONS SPILLED FROM TANK OVERFILL. ADVISED OF CLEANUP REQUIRMENTS. LETTER SENT 8/10. SEE SITE MAP. 08/21/92: RMC RECEIVED REPORT... OK TO PROCEED. 10/01/92: RMC/SITE AREA EXCAVATED NEED SAMPLING AND DISPOSAL RECEIPTS TO CLOSE. 10/01/92: RMC/SITE AREA EXCAVATED NEED SAMPLING AND DISPOSAL RECEIPTS TO CLOSE. DUE 11/20/92. 11/02/92: RMC/RECEIVED NOTICE THAT SOIL WAS DISPOSED OF, NO RECEIPT, DUE 11/30/92. 11/09/92: RMC/RECEIVED DISPOSAL RECEIPTS...CLOSE OUT. "
Remarks:	"OVERFLOW FROM UG STORAGE TANK"

All Materials:

Site ID:	279589
Operable Unit ID:	971677
Operable Unit:	01
Material ID:	412016
Material Code:	0003A
Material Name:	#6 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

SPILLS:

Facility ID:	8706592
Facility Type:	ER
Spill Number:	8706592
DER Facility ID:	227038
Site ID:	279588
DEC Region:	9
Closed Date:	1987-11-14
Spill Cause:	Other
Spill Class:	Not reported
SWIS:	1502
Spill Date:	1987-10-08
Investigator:	MXFRANKS
Referred To:	Not reported
Reported to Dept:	1987-11-04
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	1987-11-14

SENECA INDUSTRIAL (Continued) **S109943144**

Cleanup Meets Std:	True
Last Inspection:	1987-11-04
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1987-11-04
Spill Record Last Update:	1996-12-31
Spiller Name:	Not reported
Spiller Company:	SENECA INDUSTRIAL ASSOC.
Spiller Address:	701 SENECA STREET
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MF / / : 11/04/87 MF DEC TO INVESTIGATE. / / : MF 11/14/87 MET / TOM SNYDER (SIC), CONTAMINATED SOIL (3 SHOVELS APPX) REMOVED BY G/O SERVICES.VICES. / / : 11/04/87 MF MET WITH TOM SNYDER(SIA), TANK PUMPED & IN THE PROCESS OF BEING CLEANED BY G/O SERVICES. "
Remarks:	"UST LIFTED UP DURING FLOODING OF LOT. 20K TANK, 2.5K OF PRODUCT."

All Materials:

Site ID:	279588
Operable Unit ID:	912499
Operable Unit:	01
Material ID:	465597
Material Code:	0003A
Material Name:	#6 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	1.00
Oxygenate:	Not reported

Facility ID:	0906836
Facility Type:	ER
Spill Number:	0906836
DER Facility ID:	368322
Site ID:	419196
DEC Region:	9
Closed Date:	2010-03-10
Spill Cause:	Other
Spill Class:	E6
SWIS:	1502
Spill Date:	2009-09-15
Investigator:	FXGALLEG
Referred To:	Not reported
Reported to Dept:	2009-09-16
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	Not reported
Remediation Phase:	0

SENECA INDUSTRIAL (Continued) **S109943144**

Date Entered In Computer:	2009-09-16
Spill Record Last Update:	2010-03-10
Spiller Name:	ALAN DEWART
Spiller Company:	SENECA DEVELOPMENT
Spiller Address:	701 SENECA
Spiller Company:	999
Contact Name:	Not reported
DEC Memo:	"1/4/10 LETTER SENT TO SENECA DEVELOPMENT, SPILLER REQUESTING THE REPORT OF FINDINGS BY 1/22/10. 2/11/10 LCS SUBMITTED THE PHASE II ENVIRONMENTAL SITE ASSESSMENT FOR THIS SITE. SAMPLES COLLECTED NEAR THE CURRENT 12000 GALLON FUEL OIL UST SHOW EXCEEDANCE OF TAGM 4046 NUMBERS. BH3 & 5 EXCEED SEMIVOLATILE TAGM NUMBERS AT THE AREA SURROUNDING THE FUEL OIL UST. BH 1 & 8 AT TWO OTHER LOCATIONS HAVE ONLY MINOR EXCEEDANCES OF TAGM 4046 FOR THE SEMIVOLATILES. BORINGS 15, 19, 25, 28, 29, 30 HIT REFUSAL AT VERY SHALLOW DEPTHS. 3/10/10 ANDY KUSCERIK WITH LCS RESPONDED TO THE ISSUES. NO EVIDENCE OF PETROLEUM WAS DISCOVERED AT BH3 & BH5. THE MATERIAL IS FILL. THE REASON FOR THE SHALLOW REFUSAL IS THAT THE LOCATION WAS PREVIOUSLY A STREET. NO FURTHER WORK IS REQUIRED. THE SITE IS CLOSED."
Remarks:	"While conducting a subsurface investigation, discovered petroleum contamination. Will have the report of findings within one week. 8-12 ft depth contamination discovered. Only one location had contamination. 138 ppm svoc's total"

All Materials:

Site ID:	419196
Operable Unit ID:	1175339
Operable Unit:	01
Material ID:	2167909
Material Code:	0003A
Material Name:	#6 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	False

D14 **FORMERLY REPRO GRAPHICS** **RCRA NonGen / NLR** **1000145144**
ENE **701 SENECA ST** **NYD002101194**
< 1/8 **BUFFALO, NY 14210**
0.111 mi.
585 ft. **Site 4 of 9 in cluster D**

Relative:
Higher

Actual:
590 ft.

RCRA NonGen / NLR:

Date form received by agency:	02/01/2008
Facility name:	FORMERLY REPRO GRAPHICS
Facility address:	701 SENECA ST BUFFALO, NY 14210
EPA ID:	NYD002101194
Mailing address:	GRIMSBY DR HAMBURG, NY 14075
Contact:	LARRY MURPHY
Contact address:	GRIMSBY DR HAMBURG, NY 14075
Contact country:	US
Contact telephone:	Not reported

FORMERLY REPRO GRAPHICS (Continued) **1000145144**

Contact email: Not reported
EPA Region: 02
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/31/2008
Site name: FORMERLY REPRO GRAPHICS
Classification: Not a generator, verified

Date form received by agency: 01/01/2006
Site name: REPRO GRAPHICS
Classification: Not a generator, verified

Date form received by agency: 05/21/1998
Site name: REPRO GRAPHICS
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

FORMERLY REPRO GRAPHICS (Continued) **1000145144**

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U220
. Waste name: BENZENE, METHYL-

Date form received by agency: 02/26/1992
Site name: COLAD GROUP
Classification: Large Quantity Generator

Date form received by agency: 03/01/1990
Site name: COLAD GROUP INCORPORATED, THE
Classification: Large Quantity Generator

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 11/28/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/02/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/11/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

D15 **NIAGARA ENVELOPE INC** **RCRA NonGen / NLR** **1000232801**
ENE **701 SENECA ST** **NY MANIFEST** **NYD053592846**
< 1/8 **BUFFALO, NY 14210**
0.111 mi.
585 ft. **Site 5 of 9 in cluster D**

Relative:
Higher

Actual:
590 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: NIAGARA ENVELOPE INC
Facility address: 701 SENECA ST
BUFFALO, NY 14210
EPA ID: NYD053592846
Mailing address: SENECA ST
BUFFALO, NY 14210
Contact: Not reported
Contact address: SENECA ST
BUFFALO, NY 14210

NIAGARA ENVELOPE INC (Continued) **1000232801**

Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: FREDICK PIERCE
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: 212-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: FREDICK PIERCE
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: 212-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: NIAGARA ENVELOPE INC
Classification: Not a generator, verified

NIAGARA ENVELOPE INC (Continued) **1000232801**

Date form received by agency: 07/08/1999
Site name: NIAGARA ENVELOPE INC
Classification: Not a generator, verified

Date form received by agency: 07/17/1987
Site name: NIAGARA ENVELOPE INC
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

NY MANIFEST:
Country: USA
EPA ID: NYD053592846
Facility Status: Not reported
Location Address 1: 701 SENECA STREET
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BUFFALO
Location State: NY
Location Zip: 14203
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYD053592846
Mailing Name: NIAGARA ENVELOPE
Mailing Contact: NIAGARA ENVELOPE
Mailing Address 1: 701 SENECA STREET
Mailing Address 2: Not reported
Mailing City: BUFFALO
Mailing State: NY
Mailing Zip: 14203
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 7168548251

Country: USA
EPA ID: NYD002101194
Facility Status: Not reported
Location Address 1: 701 SENECA STREET
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BUFFALO
Location State: NY
Location Zip: 14210
Location Zip 4: Not reported

NIAGARA ENVELOPE INC (Continued) **1000232801**

NY MANIFEST:

EPAID:	NYD002101194
Mailing Name:	COLAD GROUP INCORPORATED THE
Mailing Contact:	SINNOTT JAMES TRAFFIC MG
Mailing Address 1:	701 SENECA STREET
Mailing Address 2:	Not reported
Mailing City:	BUFFALO
Mailing State:	NY
Mailing Zip:	14210
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	7168491719

D16 **TAPECON INC** **RCRA-SQG** **1000201036**
ENE **701 SENECA ST** **NY MANIFEST** **NYD067532606**
< 1/8 **BUFFALO, NY 14210**
0.111 mi.
585 ft. **Site 6 of 9 in cluster D**

Relative:
Higher

Actual:
590 ft.

RCRA-SQG:

Date form received by agency:	01/01/2007
Facility name:	TAPECON INC
Facility address:	701 SENECA ST BUFFALO, NY 14210-1392
EPA ID:	NYD067532606
Mailing address:	SENECA ST BUFFALO, NY 14210
Contact:	Not reported
Contact address:	SENECA ST BUFFALO, NY 14210
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name:	TAPECON INC
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	212-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

TAPECON INC (Continued) **1000201036**

Owner/operator name: TAPECON INC
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: 212-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: TAPECON INC
Classification: Small Quantity Generator

Date form received by agency: 07/08/1999
Site name: TAPECON INC
Classification: Not a generator, verified

Date form received by agency: 03/20/1998
Site name: TAPECON INC
Classification: Large Quantity Generator

Date form received by agency: 07/09/1987
Site name: TAPECON INC
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

TAPECON INC (Continued) **1000201036**

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: State Statute or Regulation
Date violation determined: 12/30/2009
Date achieved compliance: 01/21/2010
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/06/2010
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 01/21/2010
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Universal Waste - Small Quantity Handlers
Date violation determined: 11/28/2007
Date achieved compliance: 01/02/2008
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/06/2007
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 01/11/2008
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 07/19/1990
Date achieved compliance: 08/14/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/31/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General

TAPECON INC (Continued) **1000201036**

Date violation determined: 06/22/1989
Date achieved compliance: 04/02/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/18/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 10/19/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/30/2009
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: State Statute or Regulation
Date achieved compliance: 01/21/2010
Evaluation lead agency: State

Evaluation date: 11/28/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Universal Waste - Small Quantity Handlers
Date achieved compliance: 01/02/2008
Evaluation lead agency: State

Evaluation date: 05/20/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/17/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/19/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 08/14/1990
Evaluation lead agency: State

Evaluation date: 06/22/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/02/1990
Evaluation lead agency: State

NY MANIFEST:
Country: USA

TAPECON INC (Continued) **1000201036**

EPA ID: NYD067532606
Facility Status: Not reported
Location Address 1: 701 SENECA STREET
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BUFFALO
Location State: NY
Location Zip: 14210
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYD067532606
Mailing Name: TAPECON INCORPORATED
Mailing Contact: GREG CROWELL
Mailing Address 1: 701 SENECA STREET
Mailing Address 2: Not reported
Mailing City: BUFFALO
Mailing State: NY
Mailing Zip: 14210
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 7168541322

NY MANIFEST:
Document ID: Not reported
Manifest Status: Not reported
seq: Not reported
Year: 2018
Trans1 State ID: NYD986903904
Trans2 State ID: Not reported
Generator Ship Date: 02/16/2018
Trans1 Recv Date: 02/16/2018
Trans2 Recv Date: Not reported
TSD Site Recv Date: 02/22/2018
Part A Recv Date: Not reported
Part B Recv Date: Not reported
Generator EPA ID: NYD067532606
Trans1 EPA ID: Not reported
Trans2 EPA ID: Not reported
TSDF ID 1: OHD066060609
TSDF ID 2: Not reported
Manifest Tracking Number: 008903076FLE
Import Indicator: N
Export Indicator: N
Discr Quantity Indicator: N
Discr Type Indicator: N
Discr Residue Indicator: N
Discr Partial Reject Indicator: N
Discr Full Reject Indicator: N
Manifest Ref Number: Not reported
Alt Facility RCRA ID: Not reported
Alt Facility Sign Date: Not reported
MGMT Method Type Code: H061
Waste Code: Not reported
Waste Code: Not reported
Waste Code: Not reported

TAPECON INC (Continued) **1000201036**

Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	1000
Units:	P - Pounds
Number of Containers:	4
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Waste Code:	D001
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	D008
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

Click this hyperlink while viewing on your computer to access
9 additional NY_MANIFEST: record(s) in the EDR Site Report.

D17 **PRISTINE CHEM DRY CARPET** **EDR Hist Cleaner** **1014536259**
ENE **701 SENECA ST** **N/A**
< 1/8 **BUFFALO, NY 14210**
0.111 mi.
585 ft. **Site 7 of 9 in cluster D**

Relative: EDR Hist Cleaner
Higher

Actual: **590 ft.**

Year:	Name:	Type:
2008	PRISTINE CHEM DRY CARPET	CARPET & RUG CLEANERS
2008	PRISTINE CHEM-DRY	Carpet And Upholstery Cleaning On Customer Premises
2009	PRISTINE CHEM-DRY	Carpet And Upholstery Cleaning On Customer Premises

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E18 **BETHLEHEM STEEL** **NY Spills** **S106004179**
West **400 HAMBURG TURNPIKE** **N/A**
< 1/8 **LACKAWANNA, NY**
0.111 mi.
585 ft. **Site 1 of 2 in cluster E**

Relative: SPILLS:
Higher

Actual: **590 ft.**

Facility ID:	0275119
Facility Type:	ER
Spill Number:	0275119
DER Facility ID:	75527
Site ID:	81665
DEC Region:	9
Closed Date:	2002-06-04
Spill Cause:	Equipment Failure
Spill Class:	D4
SWIS:	1509
Spill Date:	2002-06-04
Investigator:	BRENNAN
Referred To:	Not reported
Reported to Dept:	2002-06-04
CID:	Not reported
Water Affected:	Not reported

BETHLEHEM STEEL (Continued) **S106004179**

Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2002-06-04
Spill Record Last Update:	2002-06-04
Spiller Name:	ROBERT ENGELS
Spiller Company:	WASTE MANAGEMENT
Spiller Address:	10810 OLEAN RD
Spiller Company:	001
Contact Name:	BOB
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was KAB 06/04/02: KAB/BOB, WASTE MANAGEMENT/TELECON - HYDRAULIC LINE RUPTURED SPILLING APPROXIMATELY 4 GALS. OF HYDRAULIC OIL TO PAVED AREA AND 1 GAL. TO STORM SEWER. STORM SEWER GOES TO TREATMENT PLANT AND THAT OIL WAS NOT RECOVERED. SPILLAGE TO GROUND WAS CLEANED UP AND DISPOSED IN REGULAR WASTE STREAM. KAB GAVE COPY OF REPORT TO BRUCE WAGER, DIV. OF WATER. NO FURTHER ACTION NECESSARY. CLOSE OUT. *******NO PAPER FILE EXISTS FOR THIS SPILL*********"
Remarks:	"HYDRAULIC LINE RUPTURE ON REFUSE VEHICLE. APPROXIMATELY 4 GALS. OF HYDRAULIC OIL TO PAVEMENT AND 1 GAL. TO STORM SEWER."

All Materials:

Site ID:	81665
Operable Unit ID:	867874
Operable Unit:	01
Material ID:	511048
Material Code:	0010
Material Name:	hydraulic oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5.00
Units:	G
Recovered:	4.00
Oxygenate:	Not reported

E19 **PERMA TECK** **NY Spills** **S102667745**
WSW **363 HAMBURG STREET** **N/A**
< 1/8 **BUFFALO, NY**
0.111 mi.
588 ft. **Site 2 of 2 in cluster E**

Relative: **Higher**

Actual: **590 ft.**

SPILLS:

Facility ID:	9704194
Facility Type:	ER
Spill Number:	9704194
DER Facility ID:	230348
Site ID:	284043
DEC Region:	9
Closed Date:	1997-07-21
Spill Cause:	Equipment Failure
Spill Class:	C3
SWIS:	1502

PERMA TECK (Continued) **S102667745**

Spill Date:	1997-07-08
Investigator:	RMCROSSE
Referred To:	Not reported
Reported to Dept:	1997-07-08
CID:	233
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Fire Department
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	1997-07-08
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1997-07-08
Spill Record Last Update:	1997-07-31
Spiller Name:	TIM KOPP
Spiller Company:	ANR ADVANCED TRANSPORT
Spiller Address:	360 WOODWARD AVENUE
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was RMC 07/08/97 RMC/WALT PODRAZA,DRIVER/TOM FITZPATRIC,BUFFALO HAZ MAT/, SITE, TELECON WITH TIM KOPP, ANR, TRUCK FELL THRU SEWER BREAKING SADDLE TANK, BUFFALO FIRE CONTAINED, RP HIRED E & E TO CLEAN UP WHO SUBBED TO EP&S, BUFFALO SEWER CHECKED SEWERS AND ARE NOT CONCERNED, DISPOSAL FOR 6 DRUMS OF SPILL DEBRIS DUE 8/30/97 07/21/97 RMC/FILE RECEIVED DISPOSAL DOCUMENTATION, OK, CLOSE OUT "
Remarks:	"TRUCK WAS AT THE ABOVE LOCATION MAKING QA PICK UP WHEN ITS SADDLE TANK WAS HIT UNK CAUSE SOME OF THE SPILL WENT INTO SEWER THEY DO REQ CALL BACK SOME CLEAN UP HAS BEEN STARTED "

All Materials:

Site ID:	284043
Operable Unit ID:	1047417
Operable Unit:	01
Material ID:	333454
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	100.00
Units:	G
Recovered:	75.00
Oxygenate:	Not reported

D20 **I L M GRAPHICS** **RCRA-CESQG 1004762210**
ENE **699 SENECA ST** **FINDS NYR000094631**
< 1/8 **BUFFALO, NY 14210** **ECHO**
0.112 mi. **NY MANIFEST**
593 ft. **Site 8 of 9 in cluster D**

Relative: **Higher**

Actual: **590 ft.**

RCRA-CESQG:

Date form received by agency:	01/01/2007
Facility name:	I L M GRAPHICS
Facility address:	699 SENECA ST BUFFALO, NY 14210

I L M GRAPHICS (Continued) **1004762210**

EPA ID: NYR000094631
Mailing address: SENECA ST
BUFFALO, NY 14210
Contact: JIM GUERRA
Contact address: SENECA ST
BUFFALO, NY 14210
Contact country: US
Contact telephone: 716-854-1888
Contact email: Not reported
EPA Region: 02
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:
Owner/operator name: JAMES GUERRA & DANIEL VAUGHAN
Owner/operator address: 699 SENECA ST
BUFFALO, NY 14210
Owner/operator country: US
Owner/operator telephone: 716-854-1888
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/2001
Owner/Op end date: Not reported

Owner/operator name: JAMES GUERRA & DANIEL VAUGHAN
Owner/operator address: 699 SENECA ST
BUFFALO, NY 14210
Owner/operator country: US
Owner/operator telephone: 716-854-1888
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2001
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No

I L M GRAPHICS (Continued) **1004762210**

Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency: 01/01/2006
Site name: I L M GRAPHICS
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/28/2001
Site name: I L M GRAPHICS
Classification: Not a generator, verified

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D018
. Waste name: BENZENE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLOROETHYLENE

Violation Status: No violations found

FINDS:

Registry ID: 110004567433

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

I L M GRAPHICS (Continued) **1004762210**

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1004762210
Registry ID:	110004567433
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110004567433

NY MANIFEST:

Country:	USA
EPA ID:	NYR000094631
Facility Status:	Not reported
Location Address 1:	699 SENECA ST LARKIN BLDG
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BUFFALO
Location State:	NY
Location Zip:	14210
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYR000094631
Mailing Name:	ILM GRAPHICS
Mailing Contact:	N/S
Mailing Address 1:	PO BOX 247
Mailing Address 2:	Not reported
Mailing City:	LAKEWOOD
Mailing State:	NY
Mailing Zip:	14750
Mailing Zip 4:	0247
Mailing Country:	USA
Mailing Phone:	7168541888

F21 **BISHOP CHEMICALS & EQUIPMENT** **NY LTANKS** **U003317536**
ESE **160 VAN RENSSELAER ST** **NY UST** **N/A**
< 1/8 **BUFFALO, NY 14210**
0.113 mi.
599 ft. **Site 1 of 3 in cluster F**

Relative:
Higher

Actual:
597 ft.

LTANKS:

Facility ID:	9200249
Site ID:	194444
Closed Date:	1993-04-29
Spill Number:	9200249
Spill Date:	1992-04-01
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	B3
Cleanup Ceased:	1993-04-29
SWIS:	1502
Investigator:	PRINGLE
Referred To:	Not reported
Reported to Dept:	1992-04-01
CID:	Not reported

BISHOP CHEMICALS & EQUIPMENT (Continued) **U003317536**

Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	1993-02-25
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	1992-04-08
Spill Record Last Update:	1994-01-31
Spiller Name:	Not reported
Spiller Company:	BISHOP CHEMICALS & EQUIP.
Spiller Address:	160 VAN RENSSELAER STREET
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	162041
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MNP 04/02/92: 4/2/92 MNP INSP. MORE CONTAM. SOIL REMOVED. OIL SEEPAGE UNDER TANK. MW TO BE INSTALLED IN EXCACVATION & SAMPLED. 02/23/93: 2/23/93 MNP TELECON W/ STIRLING -BISHOP CHEMICAL. SETUP INSP. & HE WILL ARRANGE FOR MW SAMPLING. IF NO SHEEN, ODOR OR BTEX, WE WILL CLOSE SPILL FILE. 02/25/93: 2/25/93 MNP INSP. & MEETING W/ BISHOP & EP&S. SLIGHT SHEEN & ODOR NOTED. REQUESTED ONE ROUND OF SAMPLING. 04/22/93: 4/22//93 MNP REVIEWED SAMPLE RESULTS RECEIVED 3/15/93. TCE & NON-ETRO. COMPOUNDS EXCEEDING CLASS GA GW STANDARDS. TO CONTACT CONTRACTOR. 04/29/93: 4/29//93 REFERRAL MEMO TO BEUCHI, DHWR. NO PETRO. CONTAM. IN FOLLOWUP SAMPLE RESULTS. HOWEVER, TCE ETC. FOUND. NO SPILL UNIT INVOLVEMENT NEEDED, COMPLETE. "
Remarks:	"TANK REMOVAL CONTRACTOR REPORTED SOIL & GROUNDWATER CONTAMINATION FROM #6 OIL TANK BEING CLOSED IN PLACE."

All Materials:

Site ID:	194444
Operable Unit ID:	964250
Operable Unit:	01
Material ID:	415066
Material Code:	0003A
Material Name:	#6 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Not reported
Recovered:	.00
Oxygenate:	Not reported

UST:

Id/Status:	9-386308 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	9
Expiration Date:	N/A
UTM X:	185430.89171
UTM Y:	4754018.41874
Site Type:	Unknown

BISHOP CHEMICALS & EQUIPMENT (Continued) **U003317536**

Affiliation Records:

Site Id:	53724
Affiliation Type:	Facility Owner
Company Name:	E M SCHERER & S H STIRLING
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	160 VAN RENSSELAER ST
Address2:	Not reported
City:	BUFFALO
State:	NY
Zip Code:	14210-1399
Country Code:	001
Phone:	(716) 854-4882
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	53724
Affiliation Type:	Mail Contact
Company Name:	E M SCHERER & S H STIRLING
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	160 VAN RENSSELAER ST
Address2:	Not reported
City:	BUFFALO
State:	NY
Zip Code:	14210-1399
Country Code:	001
Phone:	(716) 854-4882
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	53724
Affiliation Type:	Facility Operator
Company Name:	BISHOP CHEMICALS & EQUIPMENT
Contact Type:	Not reported
Contact Name:	BISHOP CHEMICALS & EQUIPMENT
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(716) 854-4882
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	53724
Affiliation Type:	Emergency Contact
Company Name:	E M SCHERER & S H STIRLING
Contact Type:	Not reported
Contact Name:	STEPHEN H STIRLING

BISHOP CHEMICALS & EQUIPMENT (Continued) **U003317536**

Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(716) 854-4882
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Tank Info:

Tank Number:	1
Tank ID:	165649
Tank Status:	Closed - In Place
Material Name:	Closed - In Place
Capacity Gallons:	3000
Install Date:	Not reported
Date Tank Closed:	04/01/1992
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0003
Common Name of Substance:	#6 Fuel Oil (On-Site Consumption)
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	04/14/2017

Equipment Records:

D00 - Pipe Type - No Piping
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None
A00 - Tank Internal Protection - None
H99 - Tank Leak Detection - Other

F22 **HEEFNER A & SONS SOAP DIRS** **EDR Hist Auto** **1014538884**
ESE **160 VAN RENSSELAER ST** **N/A**
< 1/8 **BUFFALO, NY**
0.113 mi.
599 ft. **Site 2 of 3 in cluster F**

Relative: EDR Hist Auto
Higher

Actual: Year: Name: Type:
597 ft. 1930 HEEFNER A & SONS SOAP DIRS GASOLINE AND OIL SERVICE STATIONS

F23
ESE
< 1/8
0.120 mi.
635 ft.

FORMER 101 BLEACH COMPANY
154 VAN RENSSELAER
BUFFALO, NY

Site 3 of 3 in cluster F

NY Spills **S106699533**
N/A

Relative:
Higher

Actual:
590 ft.

SPILLS:

Facility ID:	0475300
Facility Type:	ER
Spill Number:	0475300
DER Facility ID:	189821
Site ID:	230324
DEC Region:	9
Closed Date:	2005-03-07
Spill Cause:	Equipment Failure
Spill Class:	B3
SWIS:	1502
Spill Date:	2004-09-01
Investigator:	FXGALLEG
Referred To:	Not reported
Reported to Dept:	2004-09-23
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2004-09-23
Spill Record Last Update:	2005-03-07
Spiller Name:	JOE PETRELLA
Spiller Company:	LCO DEVELOPMENT, LLC
Spiller Address:	726 EXCHANGE STREET
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was FG 9/24/04 FG JFO SITE INSPECTION. 4 USTS FOUND. 2 WERE FILLED IN PLACE AND TWO HAD WATER IN THEM. BILL HEITZENRATER WITH AFI AND DAN REILLY WITH THE LCO CO WERE ON SITE. THEY HAVE TAKEN A SAMPLE OF THE WATER FOR ANALYSIS AND WILL PUMP OUT AND DISPOSE. THEY WILL THEN EXCAVATE THE USTS AND ANY CONTAMINATION IF PRESENT. 10/1/04 FG MF SITE INSPECTION. THREE OF THE FOUR UST'S HAD BEEN REMOVED. TWO SEPARATE EXCAVATIONS EXIST. AFI WILL BACKFILL ONE EXCAVATION BECAUSE THEY EXCAVATED TO THE NATIVE CLAY WITH NO PID. ONE UST IS TO BE LEFT IN PLACE IN THE OTHER EXCAVATION BECAUSE IT WAS IN THE PATH OF THE OLD RACEWAY CITY OF BUFFALO SEWER SYSTEM AND WOULD IMPACT THAT SEWER IF IT WERE REMOVED. THE UST HAD PREVIOUSLY BEEN FILLED IN PLACE WITH CONCRETE. CONTAMINATED SOIL IS STAGED ON SITE AND WILL BE DISPOSED AT MODERN. AFI WILL PUMP OUT UST PIT WATER WHICH IS FROM THE ADJACENT SEWER INTO THE BSA SEWER WITH THEIR APPROVAL. EXCAVATION AROUND THE LEFT IN PLACE UST WILL CONTINUE ONCE THE WATER IS PUMPED OUT. AFI WILL NOTIFY US. 10/8/04 FG SITE INSPECTION. ALL CONTAMINATION HAS BEEN REMOVED AND AFI WILL BEGIN TO BACKFILL. THEY WILL REMOVE THE FILLED IN PLACE UST DUE TO A WATERLINE BREAK THEY ENCOUNTERED. THE SOURCE IS UNDER THAT UST. EXCAVATION SAMPLES HAVE BEEN COLLECTED. ALL EXCAVATION WATER WAS PUMPED TO THE CITY OF BUFFALO SEWER. 10/12/04

FORMER 101 BLEACH COMPANY (Continued) **S106699533**

AFI CALLED AND SAID THE UST WAS REMOVED. 12/24/04 LETTER SENT TO DAN REILLY WITH LCO WHICH REQUESTED THE DISPOSAL RECEIPTS AND THE EXCAVATION SAMPLE RESULTS. 3/7/05 RECD THE DISPOSAL RECEIPTS AND EXCAVATION SAMPLE RESULTS. THE RESULTS ARE ALL ND. NO FURTHER WORK IS REQUIRED. THE SITE IS CLOSED."

Remarks: "WHILE INSTALLING A FOUNDATION, CONTRACTOR CUT INTO UNKNOWN ABANDONED TANKS. PETROLEUM CONTAMINATION FOUND. AFI ENV. HAS BEEN HIRED TO REMOVE TANKS AND CLEANUP SPILL. 2 TANKS FOUND FILLED AND CLOSED IN PLACE, TWO TANKS FOUND FILLED W/WATER. CONTAMINATION SOURCE BELIEVED TO BE THE PIPING."

All Materials:

Site ID:	230324
Operable Unit ID:	891398
Operable Unit:	01
Material ID:	486287
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

D24 **TRENCH MANUFACTURING CO INC** **RCRA NonGen / NLR** **1000308277**
ENE **703 SENECA ST** **FINDS** **NYD981557721**
1/8-1/4 **BUFFALO, NY 14210** **ECHO**
0.127 mi. **NY MANIFEST**
670 ft. **Site 9 of 9 in cluster D**

Relative: **Higher**

Actual: **590 ft.**

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	TRENCH MANUFACTURING CO INC
Facility address:	703 SENECA ST BUFFALO, NY 14210-1324
EPA ID:	NYD981557721
Mailing address:	MAIN ST BUFFALO, NY 14209
Contact:	Not reported
Contact address:	MAIN ST BUFFALO, NY 14209
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	THOMAS & JOHN STORM
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	212-555-1212
Owner/operator email:	Not reported

TRENCH MANUFACTURING CO INC (Continued) **1000308277**

Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: THOMAS & JOHN STORM
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: 212-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: TRENCH MANUFACTURING CO INC
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Site name: TRENCH MANUFACTURING CO INC
Classification: Not a generator, verified

Date form received by agency: 09/22/1986
Site name: TRENCH MANUFACTURING CO INC
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE

TRENCH MANUFACTURING CO INC (Continued) **1000308277**

MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 10/17/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110004408267

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000308277
Registry ID: 110004408267
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004408267

NY MANIFEST:
Country: USA
EPA ID: NYD981557721
Facility Status: Not reported
Location Address 1: LARKEN TERMINAL 703 SENECA ST
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BUFFALO
Location State: NY
Location Zip: 14209
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYD981557721
Mailing Name: TRENCH MANUFACTURING COMPANY
Mailing Contact: ANN NERVU
Mailing Address 1: LARKEN TERMINAL 703 SENECA ST
Mailing Address 2: Not reported
Mailing City: BUFFALO
Mailing State: NY
Mailing Zip: 14209
Mailing Zip 4: Not reported
Mailing Country: USA

TRENCH MANUFACTURING CO INC (Continued) **1000308277**

Mailing Phone: 7168850017

G25
East
1/8-1/4
0.128 mi.
675 ft.

Relative:
Higher

Actual:
596 ft.

GRAPHIC CONTROLS
189 VAN RENSSELAER ST
BUFFALO, NY 14240

Site 1 of 3 in cluster G

NY LTANKS **1000347088**
NY Spills **NYD002111896**
RCRA NonGen / NLR
US AIRS
NJ MANIFEST
NY MANIFEST

LTANKS:

Facility ID:	9009691
Site ID:	115349
Closed Date:	1991-08-26
Spill Number:	9009691
Spill Date:	1990-12-06
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	Not reported
Cleanup Ceased:	1991-08-26
SWIS:	1502
Investigator:	LEARY
Referred To:	Not reported
Reported to Dept:	1990-12-06
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	1991-07-29
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	1990-12-07
Spill Record Last Update:	2002-01-08
Spiller Name:	Not reported
Spiller Company:	GRAPHIC CONTROLS
Spiller Address:	189 VAN RENSSELAER STREET
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	100513
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was RNL 12/07/90: RNL INSP. 12/06/90, CONTAIMINATED SOIL AND WATER FOUND, TANK TO BE SAMPLED AND EMPTIED, THEN REMOVED, OK; RNL LETTER 12/07/90 TO GRAPHIC CONTROLS. 12/10/90: RNL INSP. 12/10/90, CONTAIMINATED SOIL STOCKPILED, TANK EMPTIED AND TO BE REMOVED TODAY, IN CLAY SOIL, MW TO BE INSTALLED. 12/11/90: RNL INSP. 12/10190, CONTAMINATED SOIL STOCKPILED, TWO TANKS REMOVED AND CLEAN, MW TO BE INSTALLED. 01/04/91: RNL INSP. 01/04/91, CONTAMINATED SOIL STOCKPILED, TANKS GONE, MW FROZEN, CHECK AGAIN. 03/06/91: RNL TELECONS WITH ROBERT DUKE OF GRAPHICS CONTROL 01/16/91 AND 03/06/91, HE WILL HAVE WASTESTREAM CLEAN SOIL AND CHECK WELL, IN 3/91, HE WILL CALL ME FOR DATE IN MARCH. 03/19/91: RNL ON SITE MEETING 03/19/91, SHEEN FOUND IN MW, DUKE AGREED TO REMEDIATE, WILL SEND PROPOSAL WITH WASTESTREAM. 06/24/91: RNL INSP. 06/24/91, SOIL BEING BIOREMEDIATED, ON PLASTIC AND BERMED, WELL NOT CHECKED, SITE OK. 08/26/91: RNL INSP. 07/29/91,

GRAPHIC CONTROLS (Continued) **1000347088**

MET DUKE AND WASTESTREAM, SOIL OK, HOLD FOR SAMPLE RESULTS, MW OK; RNL RECEIVED SAMPLE RESULTS 08/15/91, OK, CLOSEOUT LETTER TO GRAPHIC CONTROLS 08/26/91. "

Remarks: "CONTAMINATION FOUND WHEN ABANDONED DIESEL TANK REMOVED"

All Materials:

Site ID:	115349
Operable Unit ID:	946715
Operable Unit:	01
Material ID:	429892
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

SPILLS:

Facility ID:	0175525
Facility Type:	ER
Spill Number:	0175525
DER Facility ID:	100513
Site ID:	179256
DEC Region:	9
Closed Date:	2002-04-04
Spill Cause:	Other
Spill Class:	B3
SWIS:	1502
Spill Date:	2002-02-04
Investigator:	BFGRABER
Referred To:	Not reported
Reported to Dept:	2002-02-22
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2002-03-04
Spill Record Last Update:	2002-08-06
Spiller Name:	FRANK GRABOWSKI
Spiller Company:	NIAGARA MOHAWK POWER CORP
Spiller Address:	7437 HENRY CLAY BLVD.
Spiller Company:	001
Contact Name:	ANN CUMMINGS-LEAS & OPER
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was BG 2/22/02:SAC TELECON LINDA SCOTT, OP-TECH - CLEANUP HAS BEEN COMPLETED, MS. SCOTT WILL SEND IN ANALYTICAL RESULTS AND DISPOSAL RECEIPTS ONCE THE WORK HAS BEEN COMPLETED. 03/05/02: BFG ON SITE AT 10:45. OBSERVED TRANSFORMER WAS REPLACED AND OLD WAS REMOVED FROM

GRAPHIC CONTROLS (Continued) **1000347088**

SITE. SPILLED PCB OIL WAS CLEANED & REMOVED FROM SITE PER ANN T CUMMINGS (INTERNATIONAL COMMERCE FACILITY INC.-LEASING & OPERATIONS TEL # 716-849-0077). 04/01/02: REC'D DISPOSAL RECEIPTS. NO FURTHER ACTION REQUIRED. SPILL CLOSED. "

Remarks: "ICE STORM AT THE END OF JANUARY CAUSED POLE TRANSOFRMER TO FALL AND SPLIT SPILLING TRANSFORMER OIL."

All Materials:

Site ID:	179256
Operable Unit ID:	850892
Operable Unit:	01
Material ID:	524864
Material Code:	0017A
Material Name:	PCB oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	25.00
Units:	G
Recovered:	25.00
Oxygenate:	Not reported

Facility ID:	9611626
Facility Type:	ER
Spill Number:	9611626
DER Facility ID:	100513
Site ID:	188172
DEC Region:	9
Closed Date:	1996-12-23
Spill Cause:	Equipment Failure
Spill Class:	C3
SWIS:	1502
Spill Date:	1996-12-23
Investigator:	RMCROSSE
Referred To:	Not reported
Reported to Dept:	1996-12-23
CID:	351
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	1996-12-23
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1996-12-23
Spill Record Last Update:	2002-01-08
Spiller Name:	ROBERT DUKE
Spiller Company:	GRAPHIC CONTROLS
Spiller Address:	189 VAN RENSSELAER STREET
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was RMC 12/23/96 RMC/FITZPATRIC,BUFFALO FIRE/BOB DUCK,GRAPHIC CONTROLS/SITE 5 GALLONS SULFAMIC ACID SPILLED TO FLOOR AND AIR DUCT SYSTEM AND OUTSIDE LOWER ROOF, BUFFALO FIRE NEUTRALIZED ACID, RP HIRED EPS TO MOP AND SWEEP UP MATERIAL, RMC ADVISED DISPOSAL OF

GRAPHIC CONTROLS (Continued) **1000347088**

	APPROXIMATELY 50 POUNDS OF NEUTRALIZED MATERIAL TO DUMPSTER OK, CITY AUTHORIZED LIQUID NEUTRALIZED MATERIAL TO SANITARY OK, NO ACTION REQUIRED, CLOSE OUT "
Remarks:	"MATERIAL SPILLED IS 1 GAL OF SULFAMIC ACID (NOT ON PICK LIST) SPILLAGE FROM 1 GAL TANK TO AIR CONDITIONING UNIT UNIT. SPILLAGE TO FLOOR - PADS APPLIED. ODORS FORCED BUILDING EVACUATION SPILL FAXED FROM REGION 9"
Facility ID:	9702718
Facility Type:	ER
Spill Number:	9702718
DER Facility ID:	100513
Site ID:	285100
DEC Region:	9
Closed Date:	1997-06-04
Spill Cause:	Human Error
Spill Class:	B3
SWIS:	1502
Spill Date:	1997-06-02
Investigator:	PRINGLE
Referred To:	Not reported
Reported to Dept:	1997-06-03
CID:	999
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	1997-06-04
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1997-06-03
Spill Record Last Update:	2002-01-08
Spiller Name:	BOB DUKE
Spiller Company:	GRAPHIC CONTROLS
Spiller Address:	189 VAN RENESSELAR
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MNP 06/04/97 MNP INSP. MET W/ BOB DUKE - GRAPHICS CONTROLS. THEY RECOVERED 1 55 GAL DRUM OF INK & WATER SOLUTION. BUILDING & PAVEMENT BLACKENED W/ INK RESIDUE. PLAN TO CLEANUP W/ SOAPY WATER & POWER WASHER. INK SOLUTION IS NON-HAZ. I RECOMMENDED HE CONTACT BSA TO GET PERMISSION TO WASH INTO THEIR SEWER. DUKE TO LET ME KNOW ABOUT DISPOSAL IF ANY IS REQUIRED."
Remarks:	"DURING A CLEANUP A 55 GALLON DRUM WAS OVERFILLED 3 GALLONS ON WATER BASED FLEXONGRAHPIC INK MIXED WITH 47 GALLONS OF WATER FOR A TOTAL SOLUTION OF 50 GALLONS"

All Materials:

Site ID:	285100
Operable Unit ID:	1048697
Operable Unit:	01
Material ID:	335648
Material Code:	0064A
Material Name:	unknown material
Case No.:	Not reported

GRAPHIC CONTROLS (Continued) **1000347088**

Material FA:	Other
Quantity:	47.00
Units:	G
Recovered:	47.00
Oxygenate:	Not reported
Site ID:	285100
Operable Unit ID:	1048697
Operable Unit:	01
Material ID:	335647
Material Code:	0582A
Material Name:	ink
Case No.:	Not reported
Material FA:	Other
Quantity:	3.00
Units:	G
Recovered:	3.00
Oxygenate:	Not reported
Facility ID:	9509161
Facility Type:	ER
Spill Number:	9509161
DER Facility ID:	100513
Site ID:	193338
DEC Region:	9
Closed Date:	1997-02-27
Spill Cause:	Unknown
Spill Class:	D4
SWIS:	1502
Spill Date:	1995-10-01
Investigator:	LEARY
Referred To:	Not reported
Reported to Dept:	1995-10-24
CID:	349
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1995-10-24
Spill Record Last Update:	2002-01-08
Spiller Name:	BOB DUKE
Spiller Company:	GRAPHIC CONTROLS
Spiller Address:	PO BOX 1271
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was RNL 10/19/95: RNL RECEIVED SAMPLE RESULTS FROM ROBERT DUKE, RNL LETTER 10/26/95 REQUESTED DETECTION LIMITS, 8270 SAMPLING, BUT NO WORK FOR LEAD CONTAMINATION 12/12/95: RNL LETTER TO ROBERT DUKE, REVIEWED HIS TRANSMITTAL DATED 09/12/95, ONLY REMAINING ISSUE IS 8270 RESAMPLING 01/29/96: RNL TELECON TO ROBERT DUKE, NOT IN, LEFT MESSAGE

GRAPHIC CONTROLS (Continued) **1000347088**

02/08/96: LETTER FROM ROBERT DUKE, WILL RESAMPLE SB-2 AND SB-6 BY MAY 1, 1996 FOR 8270 BASE NEUTRALS 07/01/96: RNL NOTE, WORK WAS DONE DURING 06/96, BUT NO INFOMATION FROM BOB DUKE, CHECK BY 07/15/96 ON SAMPLE RESULTS 09/05/96: RNL RECEIVED SAMPLE RESULTS FROM BOB DUKE, INFORMATION INCOMPLETE, APPEARS NOT ALL SHEET COPIED, CALLED BOB DUKE, SECRETARY WILL CHECK 10/02/96: RNL CALLED BOB DUKE, HE THOUGHT PROBLEM HAD BEEN RESOLVED, I EXPLAINED TO HIM ABOUT MISSING DATE, HE AGREED TO CHECK 01/22/97: RNL CALLED BOB DUKE, NOT IN, LEFT MESSAGE WITH SECRETARY, KAREN 02/06/97: RECEIVED SAMPLE RESULTS FROM BOB DUKE, ALL BELOW STARS BUT NOT MATCHING NUMBERS OR BORINGS 02/07/97: CALLED BOB DUKE ON RESULTS, NOT IN 02/11/97: BOB DUKE CALLED BACK, I WAS NOT IN 02/27/97: RNL CALLED BOB DUKE, CLARIFIED RESULTS, CONSULTANT MISNUMBERED, OK, CLOSEOUT "

Remarks: "SITE ASSESMENT FOUND CONTAMINATION"

All Materials:

Site ID:	193338
Operable Unit ID:	1019741
Operable Unit:	01
Material ID:	360123
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	GRAPHIC CONTROLS
Facility address:	189 VAN RENSSELAER ST BUFFALO, NY 14240-1271
EPA ID:	NYD002111896
Mailing address:	PO BOX 1271 BUFFALO, NY 14240-1271
Contact:	DEBORAH A DAKE
Contact address:	PO BOX 1271 BUFFALO, NY 14240-1271
Contact country:	US
Contact telephone:	716-849-6331
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	CLARKSON WILLIAM EXECUTIVE OFFICER
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	212-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported

GRAPHIC CONTROLS (Continued) **1000347088**

Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: CLARKSON WILLIAM EXECUTIVE OFFICER
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: 212-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: GRAPHIC CONTROLS
Classification: Not a generator, verified

Date form received by agency: 01/23/2002
Site name: GRAPHIC CONTROLS
Classification: Large Quantity Generator

Date form received by agency: 11/20/2001
Site name: GRAPHIC CONTROLS CORP
Classification: Not a generator, verified

Date form received by agency: 01/01/2001
Site name: GRAPHIC CONTROLS
Classification: Large Quantity Generator

Date form received by agency: 02/25/1998
Site name: GRAPHIC CONTROLS CORPORATION
Classification: Large Quantity Generator

GRAPHIC CONTROLS (Continued) **1000347088**

Date form received by agency: 03/01/1996
Site name: GRAPHIC CONTROLS CORPORATION
Classification: Large Quantity Generator

Date form received by agency: 02/11/1994
Site name: GRAPHIC CONTROLS CORPORATION
Classification: Large Quantity Generator

Date form received by agency: 02/27/1992
Site name: GRAPHIC CONTROLS
Classification: Large Quantity Generator

Date form received by agency: 03/19/1982
Site name: GRAPHIC CONTROLS CORP
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: P054
. Waste name: AZIRIDINE

. Waste code: U009
. Waste name: ACRYLONITRILE

. Waste code: U220
. Waste name: BENZENE, METHYL-

. Waste code: U227
. Waste name: ETHANE, 1,1,2-TRICHLORO-

GRAPHIC CONTROLS (Continued) **1000347088**

Facility Has Received Notices of Violations:

Regulation violated: SR - 372.2(B)3
Area of violation: Generators - General
Date violation determined: 08/16/2001
Date achieved compliance: 10/23/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/24/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 07/18/2000
Date achieved compliance: 10/23/2001
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 02/26/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 2000
Paid penalty amount: 2000

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 07/18/2000
Date achieved compliance: 10/23/2001
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 01/05/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 2000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 11/05/1996
Date achieved compliance: 12/06/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/05/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

GRAPHIC CONTROLS (Continued) **1000347088**

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 11/05/1996
Date achieved compliance: 12/06/1996
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/05/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 04/16/1986
Date achieved compliance: 07/03/1986
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/28/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 10/23/2001
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/16/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 10/23/2001
Evaluation lead agency: State

Evaluation date: 12/18/2000
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/18/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 10/23/2001
Evaluation lead agency: State

Evaluation date: 10/30/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 12/06/1996

GRAPHIC CONTROLS (Continued) **1000347088**

Evaluation lead agency: State

Evaluation date: 10/30/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 12/06/1996
Evaluation lead agency: State

Evaluation date: 04/16/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/03/1986
Evaluation lead agency: State

US AIRS MINOR:
Envid: 1000347088
Region Code: 02
Programmatic ID: AIR NY0000009140200272
Facility Registry ID: 110000904282
D and B Number: Not reported
Primary SIC Code: 2752
NAICS Code: 323119
Default Air Classification Code: MIN
Facility Type of Ownership Code: POF
Air CMS Category Code: Not reported
HPV Status: Not reported

US AIRS MINOR:
Region Code: 02
Programmatic ID: AIR NY0000009140200272
Facility Registry ID: 110000904282
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1984-12-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200272
Facility Registry ID: 110000904282
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1989-03-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200272
Facility Registry ID: 110000904282
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

GRAPHIC CONTROLS (Continued) **1000347088**

Activity Date: 1996-07-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

US AIRS MINOR:
Envid: 1000347088
Region Code: 02
Programmatic ID: AIR NY0000009140200272
Facility Registry ID: 110000904282
D and B Number: Not reported
Primary SIC Code: 2752
NAICS Code: 323119
Default Air Classification Code: MIN
Facility Type of Ownership Code: POF
Air CMS Category Code: Not reported
HPV Status: Not reported

US AIRS MINOR:
Region Code: 02
Programmatic ID: AIR NY0000009140200272
Facility Registry ID: 110000904282
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1984-12-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200272
Facility Registry ID: 110000904282
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1989-03-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200272
Facility Registry ID: 110000904282
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-07-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

GRAPHIC CONTROLS (Continued) **1000347088**

NJ MANIFEST:

EPA Id:	NYD002111896
Mail Address:	189 VAN RENSSELAER ST
Mail City/State/Zip:	BUFFALO 14240
Facility Phone:	7168537500
Emergency Phone:	Not reported
Contact:	Not reported
Comments:	Not reported
SIC Code:	Not reported
County:	00
Municipal:	00
Previous EPA Id:	Not reported
Gen Flag:	X
Trans Flag:	Not reported
TSDF Flag:	Not reported
Name Change:	Not reported
Date Change:	000000

Manifest:

Manifest Number:	001985060SKS
EPA ID:	NYD002111896
Date Shipped:	08/07/2009
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	NJD071629976
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	08/07/2009
Date Trans2 Transported Waste:	08/19/2009
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	08/19/2009
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported

GRAPHIC CONTROLS (Continued) **1000347088**

Was Load Rejected: BUFFALO 14240
Reason Load Was Rejected: Not reported

Waste:
Manifest Year: Not reported
Waste Code: D005
Hand Code: H061
Quantity: 200 P

Manifest Year: Not reported
Waste Code: D001
Hand Code: H061
Quantity: 750 P

Manifest Year: Not reported
Waste Code: D005
Hand Code: H061
Quantity: 550 P

Manifest Number: 001985125SKS
EPA ID: NYD002111896
Date Shipped: 08/25/2009
TSDF EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: NJD071629976
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 9 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 08/25/2009
Date Trans2 Transported Waste: 09/01/2009
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 09/01/2009
TSDF EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: Not reported

GRAPHIC CONTROLS (Continued) **1000347088**

Was Load Rejected: BUFFALO 14240
Reason Load Was Rejected: Not reported

Waste:
Manifest Year: Not reported
Waste Code: D005
Hand Code: H061
Quantity: 300 P

Manifest Number: 001985044SKS
EPA ID: NYD002111896
Date Shipped: 08/03/2009
TSDF EPA ID: NJD002182897
Transporter EPA ID: TXR000050930
Transporter 2 EPA ID: NJD071629976
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 9 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 08/03/2009
Date Trans2 Transported Waste: 08/14/2009
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported
Date TSDF Received Waste: 08/14/2009
TSDF EPA Facility Name: Not reported
QTY Units: Not reported
Transporter SEQ ID: Not reported
Transporter-1 Date: Not reported
Waste SEQ ID: Not reported
Waste Type Code 2: Not reported
Waste Type Code 3: Not reported
Waste Type Code 4: Not reported
Waste Type Code 5: Not reported
Waste Type Code 6: Not reported
Date Accepted: Not reported
Manifest Discrepancy Type: Not reported
Data Entry Number: Not reported
Was Load Rejected: BUFFALO 14240
Reason Load Was Rejected: Not reported

Waste:
Manifest Year: Not reported
Waste Code: D005
Hand Code: H061
Quantity: 1200 P

Manifest Year: Not reported

GRAPHIC CONTROLS (Continued) **1000347088**

Waste Code: D005
Hand Code: H061
Quantity: 800 P

Manifest Year: Not reported
Waste Code: D001
Hand Code: H061
Quantity: 200 P

NY MANIFEST:
Country: USA
EPA ID: NYD002111896
Facility Status: Not reported
Location Address 1: 189 VAN RENSSELAER ST
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BUFFALO
Location State: NY
Location Zip: 14210
Location Zip 4: 1345

NY MANIFEST:
EPAID: NYD002111896
Mailing Name: GRAPHIC CONTROLS CORP
Mailing Contact: KEN JABLONICKY
Mailing Address 1: 400 EXCHANGE ST
Mailing Address 2: Not reported
Mailing City: BUFFALO
Mailing State: NY
Mailing Zip: 14204
Mailing Zip 4: 2064
Mailing Country: USA
Mailing Phone: 7168496464

G26 **INDUSTRIAL COMMERCE FACILITY LLC** **NY UST** **U004063177**
East **189 VAN RENSSELAER STREET** **N/A**
1/8-1/4 **BUFFALO, NY 14240**
0.128 mi.
675 ft. **Site 2 of 3 in cluster G**

Relative:
Higher

Actual:
596 ft.

UST:
Id/Status: 9-005231 / Unregulated/Closed
Program Type: PBS
Region: STATE
DEC Region: 9
Expiration Date: N/A
UTM X: 185471.87251
UTM Y: 4754114.26109
Site Type: Other

Affiliation Records:
Site Id: 51880
Affiliation Type: Facility Owner

INDUSTRIAL COMMERCE FACILITY LLC (Continued) **U004063177**

Company Name:	INDUSTRIAL COMMERCE FACILITY LLC
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	P.O. BOX 1011
Address2:	Not reported
City:	BUFFALO
State:	NY
Zip Code:	14240
Country Code:	001
Phone:	(716) 854-8000
EMail:	Not reported
Fax Number:	Not reported
Modified By:	bfgraber
Date Last Modified:	2007-11-27

Site Id:	51880
Affiliation Type:	Mail Contact
Company Name:	INDUSTRIAL COMMERCE FACILITY LLC
Contact Type:	Not reported
Contact Name:	TED KOSIOREK
Address1:	Not reported
Address2:	P.O. BOX 1011
City:	BUFFALO
State:	NY
Zip Code:	14240
Country Code:	001
Phone:	(716) 854-8000
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	51880
Affiliation Type:	Facility Operator
Company Name:	INDUSTRIAL COMMERCE FACILITY LLC
Contact Type:	Not reported
Contact Name:	TED KOSIOREK
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NY
Zip Code:	Not reported
Country Code:	001
Phone:	(716) 854-8000
EMail:	Not reported
Fax Number:	Not reported
Modified By:	bfgraber
Date Last Modified:	2007-11-27

Site Id:	51880
Affiliation Type:	Emergency Contact
Company Name:	INDUSTRIAL COMMERCE FACILITY LLC
Contact Type:	Not reported
Contact Name:	AFI ENVIRONMENTAL
Address1:	Not reported
Address2:	Not reported
City:	Not reported

INDUSTRIAL COMMERCE FACILITY LLC (Continued) **U004063177**

State: NN
Zip Code: Not reported
Country Code: 999
Phone: (716) 283-7645
EMail: Not reported
Fax Number: Not reported
Modified By: bfgraber
Date Last Modified: 2007-11-27

Tank Info:

Tank Number: 1
Tank ID: 160086
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 4000
Install Date: 06/01/1945
Date Tank Closed: 12/11/1990
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: AESKALSK
Last Modified: 04/14/2017

Equipment Records:

G07 - Tank Secondary Containment - Excavation Liner
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
H04 - Tank Leak Detection - Groundwater Well
F06 - Pipe External Protection - Wrapped
J02 - Dispenser - Suction Dispenser
I00 - Overfill - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron

Tank Number: 2
Tank ID: 160087
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 10000
Install Date: 06/01/1945
Date Tank Closed: 12/11/1990
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0008
Common Name of Substance: Diesel

Tightness Test Method: NN

INDUSTRIAL COMMERCE FACILITY LLC (Continued) **U004063177**

Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	AESKALSK
Last Modified:	04/14/2017

Equipment Records:

B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
H04 - Tank Leak Detection - Groundwater Well
I00 - Overfill - None
F06 - Pipe External Protection - Wrapped
J02 - Dispenser - Suction Dispenser
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
G07 - Tank Secondary Containment - Excavation Liner

Tank Number:	3
Tank ID:	160088
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	20000
Install Date:	05/01/1956
Date Tank Closed:	10/05/2004
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0003
Common Name of Substance:	#6 Fuel Oil (On-Site Consumption)

Tightness Test Method:	14
Date Test:	08/01/1995
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	bfgraber
Last Modified:	04/14/2017

Equipment Records:

L09 - Piping Leak Detection - Exempt Suction Piping
H00 - Tank Leak Detection - None
I00 - Overfill - None
G07 - Tank Secondary Containment - Excavation Liner
D01 - Pipe Type - Steel/Carbon Steel/Iron
A00 - Tank Internal Protection - None
B00 - Tank External Protection - None
F06 - Pipe External Protection - Wrapped
J02 - Dispenser - Suction Dispenser
C02 - Pipe Location - Underground/On-ground

G27 **INDUSTRIAL COMMERCE FACILITY LLC** **NY AST** **U003316249**
East **189 VAN RENSSELAER STREET** **N/A**
1/8-1/4 **BUFFALO, NY 14240**
0.128 mi.
675 ft. **Site 3 of 3 in cluster G**

Relative:
Higher

Actual:
596 ft.

AST:

Region:	STATE
DEC Region:	9
Site Status:	Unregulated/Closed
Facility Id:	9-005231
Program Type:	PBS
UTM X:	185471.87251
UTM Y:	4754114.26109
Expiration Date:	N/A
Site Type:	Other

Affiliation Records:

Site Id:	51880
Affiliation Type:	Facility Owner
Company Name:	INDUSTRIAL COMMERCE FACILITY LLC
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	P.O. BOX 1011
Address2:	Not reported
City:	BUFFALO
State:	NY
Zip Code:	14240
Country Code:	001
Phone:	(716) 854-8000
EMail:	Not reported
Fax Number:	Not reported
Modified By:	bfgraber
Date Last Modified:	2007-11-27

Site Id:	51880
Affiliation Type:	Mail Contact
Company Name:	INDUSTRIAL COMMERCE FACILITY LLC
Contact Type:	Not reported
Contact Name:	TED KOSIOREK
Address1:	Not reported
Address2:	P.O. BOX 1011
City:	BUFFALO
State:	NY
Zip Code:	14240
Country Code:	001
Phone:	(716) 854-8000
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	51880
Affiliation Type:	Facility Operator
Company Name:	INDUSTRIAL COMMERCE FACILITY LLC
Contact Type:	Not reported
Contact Name:	TED KOSIOREK
Address1:	Not reported
Address2:	Not reported
City:	Not reported

INDUSTRIAL COMMERCE FACILITY LLC (Continued) **U003316249**

State:	NY
Zip Code:	Not reported
Country Code:	001
Phone:	(716) 854-8000
EMail:	Not reported
Fax Number:	Not reported
Modified By:	bfgraber
Date Last Modified:	2007-11-27

Site Id:	51880
Affiliation Type:	Emergency Contact
Company Name:	INDUSTRIAL COMMERCE FACILITY LLC
Contact Type:	Not reported
Contact Name:	AFI ENVIRONMENTAL
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(716) 283-7645
EMail:	Not reported
Fax Number:	Not reported
Modified By:	bfgraber
Date Last Modified:	2007-11-27

Tank Info:

Tank Number:	4
Tank Id:	171489
Material Code:	0008
Common Name of Substance:	Diesel

Equipment Records:

G00 - Tank Secondary Containment - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
C01 - Pipe Location - Aboveground
F99 - Pipe External Protection - Other
B99 - Tank External Protection - Other

Tank Location:	1
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	08/01/1982
Capacity Gallons:	300
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	10/06/2004
Register:	True
Modified By:	bfgraber
Last Modified:	04/14/2017
Material Name:	diesel

H28 **NYSDEC/SPILL** **RCRA NonGen / NLR** **1007205432**
NNW **550 SENECA ST** **NY MANIFEST** **NYP000933515**
1/8-1/4 **BUFFALO, NY 14200**
0.129 mi.
683 ft. **Site 1 of 3 in cluster H**

Relative:
Higher

Actual:
597 ft.

RCRA NonGen / NLR:
Date form received by agency: 03/03/1998
Facility name: NYSDEC/SPILL
Facility address: 550 SENECA ST
BUFFALO, NY 14200-0000
EPA ID: NYP000933515
Mailing address: 50 WOLF RD
ALBANY, NY 12233-0000
Contact: REPORTING SECTION
Contact address: 50 WOLF RD
ALBANY, NY 12233-0000
Contact country: US
Contact telephone: 518-457-0532
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 03/02/1998
Site name: NYSDEC/SPILL
Classification: Not a generator, verified

Date form received by agency: 03/01/1998
Site name: NYSDEC/SPILL
Classification: Large Quantity Generator

Violation Status: No violations found

NY MANIFEST:
Country: USA
EPA ID: NYP000933515
Facility Status: Not reported
Location Address 1: 550 ST
Code: BP
Location Address 2: Not reported

NYSDEC/SPILL (Continued) **1007205432**

Total Tanks: Not reported
Location City: BUFFALO
Location State: NY
Location Zip: Not reported
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYP000933515
Mailing Name: NYSDEC - REGION 9
Mailing Contact: NYSDEC - REGION 9
Mailing Address 1: 270 MICHIGAN AVE
Mailing Address 2: Not reported
Mailing City: BUFFALO
Mailing State: NY
Mailing Zip: 14203
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 7168517220

H29 **WNY PROFESSIONAL FLOORING; INC.** **NY SWRCY** **S108468377**
NNW **505 HAMBURG STREET** **N/A**
1/8-1/4 **BUFFALO, NY 14220**
0.153 mi.
808 ft. **Site 2 of 3 in cluster H**

Relative:
Higher

Actual:
590 ft.

SWRCY:
Region: 9
Facility Address 2: Not reported
Phone Number: 7168643875
Owner Type: Private
Owner Name: Karol Kellner
Owner Address: 505 Hamburg Street
Owner Address 2: Not reported
Owner City,St,Zip: Buffalo, NY 14220
Owner Email: Not reported
Owner Phone: 7168520262
Contact Name: Not reported
Contact Address: Not reported
Contact Address 2: Not reported
Contact City,St,Zip: Not reported
Contact Email: Not reported
Contact Phone: Not reported
Activity Desc: RHRF - registration
Activity Number: [15M19]
Active: No
East Coordinate: 184985
North Coordinate: 4754382
Accuracy Code: 4.2 - Utilization of GIS and existing spatial data
Regulatory Status: Registration
Permit #: 15M19
Auth. Date: 03/15/2007
Expiration Date: Not reported
Waste Types: Not reported
Operator Name: Jeremy Krasny
Operator Type: Private
Last Date: Not reported

30
North
1/8-1/4
0.153 mi.
808 ft.

NYSDEC
JEFFERSON & MYRTLE
BUFFALO, NY 14203

NY MANIFEST **1009235276**
N/A

Relative:
Higher

Actual:
590 ft.

NY MANIFEST:

Country:	USA
EPA ID:	NYP003601333
Facility Status:	Not reported
Location Address 1:	JEFFERSON & MYRTLE
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BUFFALO
Location State:	NY
Location Zip:	14203
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYP003601333
Mailing Name:	NYSDEC
Mailing Contact:	KEVIN N GLASER
Mailing Address 1:	270 MICHIGAN AVE REG 9
Mailing Address 2:	Not reported
Mailing City:	BUFFALO
Mailing State:	NY
Mailing Zip:	14203
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	7168517220

I31
NW
1/8-1/4
0.161 mi.
851 ft.

CENTRAL AUTO
541 SENECA ST
BUFFALO, NY 14202
Site 1 of 6 in cluster I

RCRA NonGen / NLR **1001489164**
FINDS **NYR000072058**
ECHO
NY MANIFEST

Relative:
Higher

Actual:
589 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	CENTRAL AUTO
Facility address:	541 SENECA ST BUFFALO, NY 14202
EPA ID:	NYR000072058
Mailing address:	CITY HALL BUFFALO, NY 14202
Contact:	DENNIS SUTTON
Contact address:	CITY HALL BUFFALO, NY 14202
Contact country:	US
Contact telephone:	716-851-4852
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	CITY OF BUFFALO
Owner/operator address:	901 CITY HALL

CENTRAL AUTO (Continued) **1001489164**

BUFFLO, NY 14202
Owner/operator country: US
Owner/operator telephone: 716-851-4852
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: CITY OF BUFFALO
Owner/operator address: 901 CITY HALL
BUFFLO, NY 14202
Owner/operator country: US
Owner/operator telephone: 716-851-4852
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: CENTRAL AUTO
Classification: Not a generator, verified

Date form received by agency: 01/01/2001
Site name: CITY OF BUFFALO-541 SENECA ST
Classification: Large Quantity Generator

Date form received by agency: 06/07/1999
Site name: CENTRAL AUTO
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF

CENTRAL AUTO (Continued) **1001489164**

LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Violation Status: No violations found

FINDS:

Registry ID: 110004553484

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1001489164
Registry ID: 110004553484
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004553484

NY MANIFEST:
Country: USA
EPA ID: NYR000072058
Facility Status: Not reported
Location Address 1: 541 SENECA ST
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported

CENTRAL AUTO (Continued) **1001489164**

Location City: BUFFALO
Location State: NY
Location Zip: Not reported
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYR000072058
Mailing Name: BUFFALO CITY OF-DEPT OF COMM DEVELOPMENT
Mailing Contact: DENNIS SUTTON
Mailing Address 1: 901 CITY HALL
Mailing Address 2: Not reported
Mailing City: BUFFALO
Mailing State: NY
Mailing Zip: 14202
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 7168514852

H32 **ZINSSER CO INC AT SCHNITTERS WAREHOUSE** **RCRA NonGen / NLR** **1001119614**
NNW **519 HAMBURG ST** **FINDS** **NYR000029033**
1/8-1/4 **BUFFALO, NY 14215** **ECHO**
0.169 mi. **NY MANIFEST**
892 ft. **Site 3 of 3 in cluster H**

Relative:
Higher

Actual:
590 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: ZINSSER CO INC AT SCHNITTERS WAREHOUSE
Facility address: 519 HAMBURG ST
BUFFALO, NY 14215
EPA ID: NYR000029033
Mailing address: BELMONT DR
SOMERSET, NJ 08873
Contact: DANIEL H KLEIN
Contact address: BELMONT DR
SOMERSET, NJ 08873
Contact country: US
Contact telephone: 908-874-7888
Contact email: DCSINC1@EARTHLINK.NET
EPA Region: 02
Land type: Private
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: MESMER REFRIGERATION
Owner/operator address: 519 HAMBURG ST
BUFFALO, NY 14204
Owner/operator country: US
Owner/operator telephone: 716-855-0576
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

ZINSSER CO INC AT SCHNITTERS WAREHOUSE (Continued) **1001119614**

Owner/operator name: SCHNITTERS WAREHOUSE
Owner/operator address: HAMBURG ST
BUFFALO, NY 14215
Owner/operator country: US
Owner/operator telephone: 908-874-7888
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 05/04/2004
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: ZINSSER CO INC AT SCHNITTERS WAREHOUSE
Classification: Not a generator, verified

Date form received by agency: 08/31/2004
Site name: ZINSSER CO INC AT SCHNITTERS WAREHOUSE
Classification: Not a generator, verified

Date form received by agency: 05/06/2004
Site name: ZINSSER CO INC AT SCHNITTERS WAREHOUSE
Classification: Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

Date form received by agency: 07/08/1999

ZINSSER CO INC AT SCHNITTERS WAREHOUSE (Continued) **1001119614**

Site name: V G C CORP
Classification: Not a generator, verified

Date form received by agency: 09/10/1996
Site name: V G C CORP
Classification: Small Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: D011
. Waste name: SILVER

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 08/26/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110004528271

Environmental Interest/Information System
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Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1001119614
Registry ID: 110004528271
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004528271

NY MANIFEST:
Country: USA
EPA ID: NYR000029033
Facility Status: Not reported
Location Address 1: 519 HAMBURG STREET
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BUFFALO
Location State: NY
Location Zip: 14204
Location Zip 4: Not reported

ZINSSER CO INC AT SCHNITTERS WAREHOUSE (Continued) **1001119614**

NY MANIFEST:

EPAID:	NYR000029033
Mailing Name:	V G C CORP
Mailing Contact:	KENNETH PEARCE
Mailing Address 1:	519 HAMBURG STREET
Mailing Address 2:	Not reported
Mailing City:	BUFFALO
Mailing State:	NY
Mailing Zip:	14204
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	7168345632

J33 **ENGINE 32** **NY UST** **U004192453**
ENE **700 SENECA ST** **N/A**
1/8-1/4 **BUFFALO, NY 14210**
0.172 mi.
910 ft. **Site 1 of 5 in cluster J**

Relative:
Higher

Actual:
590 ft.

UST:

Id/Status:	9-601342 / Active
Program Type:	PBS
Region:	STATE
DEC Region:	9
Expiration Date:	10/22/2022
UTM X:	185509.35516
UTM Y:	4754277.17710
Site Type:	Municipality (Incl. Waste Water Treatment Plants, Utilities, Swimming Pools, etc.)

Affiliation Records:

Site Id:	470270
Affiliation Type:	Facility Owner
Company Name:	CITY OF BUFFALO - INVENTORY & STORES
Contact Type:	SUPERINTENDENT
Contact Name:	PAUL L DESIDERIO
Address1:	1901 CITY HALL
Address2:	Not reported
City:	BUFFALO
State:	NY
Zip Code:	14202
Country Code:	001
Phone:	(716) 851-5222
EMail:	Not reported
Fax Number:	Not reported
Modified By:	JNNG
Date Last Modified:	2016-02-03

Site Id:	470270
Affiliation Type:	Mail Contact
Company Name:	CITY OF BUFFALO DEPT OF INVENTORY & STORES
Contact Type:	Not reported
Contact Name:	PAUL L DESIDERIO
Address1:	1901 CITY HALL
Address2:	Not reported
City:	BUFFALO
State:	NY
Zip Code:	14202

ENGINE 32 (Continued) **U004192453**

Country Code:	001
Phone:	(716) 851-5562
EMail:	PDESIDERIO@CITY-BUFFALO.COM
Fax Number:	Not reported
Modified By:	aeskalsk
Date Last Modified:	2012-10-22

Site Id:	470270
Affiliation Type:	Emergency Contact
Company Name:	CITY OF BUFFALO - INVENTORY & STORES
Contact Type:	Not reported
Contact Name:	PAUL L DESIDERIO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(716) 982-2832
EMail:	Not reported
Fax Number:	Not reported
Modified By:	JNNG
Date Last Modified:	2016-02-03

Site Id:	470270
Affiliation Type:	Facility Operator
Company Name:	ENGINE 32
Contact Type:	Not reported
Contact Name:	PAUL DESIDERIO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(716) 851-5222
EMail:	Not reported
Fax Number:	Not reported
Modified By:	AYLAGATI
Date Last Modified:	2017-05-31

Tank Info:

Tank Number:	1
Tank ID:	246070
Tank Status:	In Service
Material Name:	In Service
Capacity Gallons:	1000
Install Date:	02/25/2000
Date Tank Closed:	Not reported
Registered:	True
Tank Location:	Underground
Tank Type:	Fiberglass coated steel
Material Code:	0008
Common Name of Substance:	Diesel

Tightness Test Method:	NN

ENGINE 32 (Continued) **U004192453**

Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	AESKALSK
Last Modified:	09/15/2017

Equipment Records:

E04 - Piping Secondary Containment - Double walled UG
F05 - Pipe External Protection - Jacketed
C02 - Pipe Location - Underground/On-ground
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
B04 - Tank External Protection - Fiberglass
K01 - Spill Prevention - Catch Basin
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
I03 - Overfill - Automatic Shut-Off
H05 - Tank Leak Detection - In-Tank System (ATG)
D11 - Pipe Type - Flexible Piping

34
ENE
1/8-1/4
0.174 mi.
918 ft.

PARFOAM PRODUCTS **RCRA-CESQG** **1000994394**
239 VAN RENSSELAER ST **NY MANIFEST** **NYD982797367**
BUFFALO, NY 14210

Relative:
Higher

Actual:
590 ft.

RCRA-CESQG:

Date form received by agency:	01/01/2007
Facility name:	PARFOAM PRODUCTS
Facility address:	239 VAN RENSSELAER ST BUFFALO, NY 14210
EPA ID:	NYD982797367
Mailing address:	VAN RENSSELAER ST BUFFALO, NY 14210
Contact:	Not reported
Contact address:	VAN RENSSELAER ST BUFFALO, NY 14210
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Conditionally Exempt Small Quantity Generator
Description:	Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

PARFOAM PRODUCTS (Continued) **1000994394**

Owner/Operator Summary:
- Owner/operator name: KAUSHIK SHAH - PRES
- Owner/operator address: NOT REQUIRED
  NOT REQUIRED, WY 99999
- Owner/operator country: US
- Owner/operator telephone: 212-555-1212
- Owner/operator email: Not reported
- Owner/operator fax: Not reported
- Owner/operator extension: Not reported
- Legal status: Private
- Owner/Operator Type: Owner
- Owner/Op start date: Not reported
- Owner/Op end date: Not reported

- Owner/operator name: KAUSHIK SHAH - PRES
- Owner/operator address: NOT REQUIRED
  NOT REQUIRED, WY 99999
- Owner/operator country: US
- Owner/operator telephone: 212-555-1212
- Owner/operator email: Not reported
- Owner/operator fax: Not reported
- Owner/operator extension: Not reported
- Legal status: Private
- Owner/Operator Type: Operator
- Owner/Op start date: Not reported
- Owner/Op end date: Not reported

Handler Activities Summary:
- U.S. importer of hazardous waste: No
- Mixed waste (haz. and radioactive): No
- Recycler of hazardous waste: No
- Transporter of hazardous waste: No
- Treater, storer or disposer of HW: No
- Underground injection activity: No
- On-site burner exemption: No
- Furnace exemption: No
- Used oil fuel burner: No
- Used oil processor: No
- User oil refiner: No
- Used oil fuel marketer to burner: No
- Used oil Specification marketer: No
- Used oil transfer facility: No
- Used oil transporter: No

Historical Generators:
- Date form received by agency: 01/01/2006
- Site name: PARFOAM PRODUCTS
- Classification: Conditionally Exempt Small Quantity Generator

- Date form received by agency: 07/29/1999
- Site name: PARFOAM PRODUCTS
- Classification: Large Quantity Generator

. Waste code: NONE
. Waste name: None

PARFOAM PRODUCTS (Continued) **1000994394**

Date form received by agency: 03/23/1997
Site name: PAR FOAM PRODUCTS INC
Classification: Large Quantity Generator

Date form received by agency: 03/01/1994
Site name: PAR-FOAM PRODUCTS INC
Classification: Large Quantity Generator

Date form received by agency: 11/16/1989
Site name: PARFOAM PRODUCTS
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 07/31/2000
Date achieved compliance: 07/31/2000
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/25/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

PARFOAM PRODUCTS (Continued) **1000994394**

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 08/12/1992
Date achieved compliance: 09/03/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/12/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 04/09/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/31/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/31/2000
Evaluation lead agency: State

Evaluation date: 07/06/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest
Date achieved compliance: 09/03/1992
Evaluation lead agency: State

NY MANIFEST:
Country: USA
EPA ID: NYD982797367
Facility Status: Not reported
Location Address 1: 239 VAN RENSSELAER ST
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BUFFALO
Location State: NY
Location Zip: 14210
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYD982797367
Mailing Name: PAR FORM PRODUCTS INC
Mailing Contact: PAR FORM PRODUCTS INC
Mailing Address 1: 239 VAN RENSSELAER ST
Mailing Address 2: Not reported
Mailing City: BUFFALO
Mailing State: NY
Mailing Zip: 14210
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 7168552066

I35 **F N BURT BOX FACTORY SITE FORMER** **NY MANIFEST** **S118091688**
NW **500 SENECA ST** **N/A**
1/8-1/4 **BUFFALO, NY 14204**
0.179 mi.
943 ft. **Site 2 of 6 in cluster I**

Relative:
Lower

Actual:
588 ft.

NY MANIFEST:

Country:	USA
EPA ID:	NYR000218321
Facility Status:	Not reported
Location Address 1:	500 SENECA STREET
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BUFFALO
Location State:	NY
Location Zip:	14204
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYR000218321
Mailing Name:	F N BURT BOX FACTORY SITE FORMER
Mailing Contact:	NATE MUNLEY
Mailing Address 1:	2558 HAMBURG TPK
Mailing Address 2:	Not reported
Mailing City:	LACKAWANNA
Mailing State:	NY
Mailing Zip:	14218
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	7164477587

I36 **NEW ERA CAP COMPANY** **NY UST** **U004118719**
NW **500 SENECA ST.** **N/A**
1/8-1/4 **BUFFALO, NY 14210**
0.179 mi.
943 ft. **Site 3 of 6 in cluster I**

Relative:
Lower

Actual:
588 ft.

UST:

Id/Status:	9-600984 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	9
Expiration Date:	N/A
UTM X:	184970.85931
UTM Y:	4754451.53300
Site Type:	Other

Tank Info:

Tank Number:	1
Tank ID:	220656
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	500
Install Date:	Not reported
Date Tank Closed:	12/14/2007
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel

NEW ERA CAP COMPANY (Continued) **U004118719**

Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	AESKALSK
Last Modified:	04/14/2017
Tank Number:	2
Tank ID:	220657
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	2000
Install Date:	Not reported
Date Tank Closed:	12/14/2007
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	AESKALSK
Last Modified:	04/14/2017

I37 **F N BURT BOX FACTORY SITE FORMER** **RCRA NonGen / NLR** **1017788093**
NW **500 SENECA ST** **NYR000218321**
1/8-1/4 **BUFFALO, NY 14204**
0.179 mi.
943 ft. **Site 4 of 6 in cluster I**

Relative:
Lower

Actual:
588 ft.

RCRA NonGen / NLR:

Date form received by agency:	04/18/2017
Facility name:	F N BURT BOX FACTORY SITE FORMER
Facility address:	500 SENECA ST BUFFALO, NY 14204
EPA ID:	NYR000218321
Mailing address:	MISSISSIPPI ST SUITE 400 BUFFALO, NY 14203
Contact:	CHRIS WIETIG
Contact address:	MISSISSIPPI ST SUITE 400 BUFFALO, NY 14203
Contact country:	US
Contact telephone:	716-447-7587
Contact email:	CWIETIG@FIC-SERVICES.COM
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	500 SENECA STREET LLC

F N BURT BOX FACTORY SITE FORMER (Continued) **1017788093**

Owner/operator address: MISSISSIPPI ST SUITE 400
BUFFALO, NY 14203
Owner/operator country: US
Owner/operator telephone: 716-447-7587
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 03/12/2010
Owner/Op end date: Not reported

Owner/operator name: 500 SENECA STREET LLC
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 03/12/2010
Owner/Op end date: Not reported

Owner/operator name: 500 SENECA STREET LLC
Owner/operator address: Not reported
Not reported
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 03/12/2010
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D009
. Waste name: MERCURY

F N BURT BOX FACTORY SITE FORMER (Continued) **1017788093**

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F004
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: CRESOLS AND CRESYLIC ACID, AND NITROBENZENE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF

F N BURT BOX FACTORY SITE FORMER (Continued) **1017788093**

ALUMINUM.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS

. Waste code: F008
. Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

. Waste code: F009
. Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

. Waste code: F010
. Waste name: QUENCHING BATH RESIDUES FROM OIL BATHS FROM METAL HEAT TREATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

. Waste code: F011
. Waste name: SPENT CYANIDE SOLUTIONS FROM SALT BATH POT CLEANING FROM METAL HEAT TREATING OPERATIONS.

. Waste code: F012
. Waste name: QUENCHING WASTE WATER TREATMENT SLUDGES FROM METAL HEAT TREATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

. Waste code: F019
. Waste name: WASTEWATER TREATMENT SLUDGES FROM THE CHEMICAL CONVERSION COATING OF ALUMINUM EXCEPT FROM ZIRCONIUM PHOSPHATING IN ALUMINUM CAN WASHING WHEN SUCH PHOSPHATING IS AN EXCLUSIVE CONVERSION COATING PROCESS.

. Waste code: F020
. Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TRI- OR TETRACHLOROPHENOL, OR OF INTERMEDIATES USED TO PRODUCE THEIR PESTICIDE DERIVATIVES. (THIS LISTING DOES NOT INCLUDE WASTES FROM THE PRODUCTION OF HEXACHLOROPHENE FROM HIGHLY PURIFIED 2,4,5-TRICHLOROPHENOL).

. Waste code: F021
. Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF PENTACHLOROPHENOL, OR OF INTERMEDIATES USED TO PRODUCE ITS DERIVATIVES.

. Waste code: F022
. Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TETRA-, PENTA-, OR HEXACHLOROBENZENES UNDER ALKALINE CONDITIONS.

. Waste code: F023
. Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OF MATERIALS ON EQUIPMENT PREVIOUSLY USED FOR THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TRI- AND

F N BURT BOX FACTORY SITE FORMER (Continued) **1017788093**

TETRACHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE WASTES FROM EQUIPMENT USED ONLY FOR THE PRODUCTION OR USE OF HEXACHLOROPHENE FROM HIGHLY PURIFIED 2,4,5-TRICHLOROPHENOL).

. Waste code: F024
. Waste name: PROCESS WASTES, INCLUDING BUT NOT LIMITED TO, DISTILLATION RESIDUES, HEAVY ENDS, TARS, AND REACTOR CLEAN-OUT WASTES, FROM THE PRODUCTION OF CERTAIN CHLORINATED ALIPHATIC HYDROCARBONS BY FREE RADICAL CATALYZED PROCESSES. THESE CHLORINATED ALIPHATIC HYDROCARBONS ARE THOSE HAVING CARBON CHAIN LENGTHS RANGING FROM ONE TO AND INCLUDING FIVE, WITH VARYING AMOUNTS AND POSITIONS OF CHLORINE SUBSTITUTION. (THIS LISTING DOES NOT INCLUDE WASTEWATERS, WASTEWATER TREATMENT SLUDGES, SPENT CATALYSTS, AND WASTES LISTED IN SECTION 261.31 OR SECTION 261.32).

. Waste code: F025
. Waste name: CONDENSED LIGHT ENDS, SPENT FILTERS AND FILTER AIDS, AND SPENT DESICCANT WASTES FROM THE PRODUCTION OF CERTAIN CHLORINATED ALIPHATIC HYDROCARBONS, BY FREE RADICAL CATALYZED PROCESSES. THESE CHLORINATED ALIPHATIC HYDROCARBONS ARE THOSE HAVING CARBON CHAIN LENGTHS RANGING FROM ONE TO AND INCLUDING FIVE, WITH VARYING AMOUNTS AND POSITIONS OF CHLORINE SUBSTITUTION.

. Waste code: F026
. Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OF MATERIALS ON EQUIPMENT PREVIOUSLY USED FOR THE MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TETRA-, PENTA-, OR HEXACHLOROBENZENE UNDER ALKALINE CONDITIONS.

. Waste code: F027
. Waste name: DISCARDED UNUSED FORMULATIONS CONTAINING TRI-, TETRA-, OR PENTACHLOROPHENOL OR DISCARDED UNUSED FORMULATIONS CONTAINING COMPOUNDS DERIVED FROM THESE CHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE FORMULATIONS CONTAINING HEXACHLOROPHENE SYTHESIZED FROM PREPURIFIED 2,4,5-TRICHLOROPHENOL AS THE SOLE COMPONENT).

. Waste code: F028
. Waste name: RESIDUES RESULTING FROM THE INCINERATION OR THERMAL TREATMENT OF SOIL CONTAMINATED WITH EPA HAZARDOUS WASTE NOS. F020, F021, F022, F023, F026, AND F027.

. Waste code: F032
. Waste name: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESSES GENERATED AT PLANTS THAT CURRENTLY USE OR HAVE PREVIOUSLY USED CHLOROPHENOLIC FORMULATIONS (EXCEPT POTENTIALLY CROSS-CONTAMINATED WASTES THAT HAVE HAD THE F032 WASTE CODE DELETED IN ACCORDANCE WITH SECTION 261.35 OF THIS CHAPTER AND WHERE THE GENERATOR DOES NOT RESUME OR INITIATE USE OF CHLOROPHENOLIC FORMULATIONS). THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL. (NOTE: THE LISTING OF WASTEWATERS THAT HAVE NOT COME INTO CONTACT WITH PROCESS CONTAMINANTS IS STAYED ADMINISTRATIVELY. THE LISTING FOR PLANTS THAT HAVE PREVIOUSLY USED CHLOROPHENOLIC FORMULATIONS IS ADMINISTRATIVELY STAYED WHENEVER THESE WASTES ARE COVERED BY THE F034 OR F035 LISTINGS. THESE STAYS WILL REMAIN IN EFFECT UNTIL FURTHER ADMINISTRATIVE ACTION IS TAKEN.)

F N BURT BOX FACTORY SITE FORMER (Continued) **1017788093**

. Waste code: F034
. Waste name: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESS GENERATED AT PLANTS THAT USE CREOSOTE FORMULATIONS. THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL. (NOTE: THE LISTING OF WASTEWATERS THAT HAVE NOT COME INTO CONTACT WITH PROCESS CONTAMINANTS IS STAYED ADMINISTRATIVELY. THE STAY WILL REMAIN IN EFFECT UNTIL FURTHER ADMINISTRATIVE ACTION IS TAKEN.)

. Waste code: F035
. Waste name: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESS GENERATED AT PLANTS THAT USE INORGANIC PRESERVATIVES CONTAINING ARSENIC OR CHROMIUM. THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL (NOTE: THE LISTING OF WASTEWATERS THAT HAVE NOT COME INTO CONTACT WITH PROCESS CONTAMINANTS IS STAYED ADMINISTRATIVELY. THE STAY WILL REMAIN IN EFFECT UNTIL FURTHER ADMINISTRATIVE ACTION IS TAKEN.).

. Waste code: F037
. Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE-ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN: OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORMWATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGE GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED FROM NON-CONTACT ONCE-THROUGH COOLING WATERS SEGREGATED FOR TREATMENT FROM OTHER PROCESS OR OILY COOLING WATERS, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS) AND K051 WASTES ARE NOT INCLUDED IN THIS LISTING.

. Waste code: F038
. Waste name: PETROLEUM REFINERY SECONDARY (EMULSIFIED) OIL/WATER/SOLIDS SEPARATION SLUDGE-ANY SLUDGE AND/OR FLOAT GENERATED FROM THE PHYSICAL AND/OR CHEMICAL SEPARATION OF OIL/WATER/SOLIDS IN PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH WASTES INCLUDE, BUT ARE NOT LIMITED TO, ALL SLUDGES AND FLOATS GENERATED IN: INDUCED AIR FLOTATION (IAF) UNITS, TANKS AND IMPOUNDMENTS, AND ALL SLUDGES GENERATED IN DAF UNITS. SLUDGES GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED FROM NON-CONTACT ONCE-THROUGH COOLING WATERS SEGREGATED FOR TREATMENT FROM OTHER PROCESS OR OILY COOLING WATERS, SLUDGES AND FLOATS GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES AND FLOATS GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS) AND F037, K048, AND K051 WASTES ARE NOT INCLUDED IN THIS LISTING.

. Waste code: F039
. Waste name: LEACHATE (LIQUIDS THAT HAVE PERCOLATED THROUGH LAND DISPOSED WASTES)

F N BURT BOX FACTORY SITE FORMER (Continued) **1017788093**

RESULTING FROM THE DISPOSAL OF MORE THAN ONE RESTRICTED WASTE CLASSIFIED AS HAZARDOUS UNDER SUBPART D OF THIS PART. (LEACHATE RESULTING FROM THE DISPOSAL OF ONE OR MORE OF THE FOLLOWING EPA HAZARDOUS WASTES AND NO OTHER HAZARDOUS WASTES RETAINS ITS EPA HAZARDOUS WASTES NUMBER(S): F020, F021, F022, F026, F027, AND/OR F028).

. Waste code: U001
. Waste name: ACETALDEHYDE (I)

. Waste code: U002
. Waste name: ACETONE (I)

. Waste code: U003
. Waste name: ACETONITRILE (I,T)

. Waste code: U004
. Waste name: ACETOPHENONE

. Waste code: U005
. Waste name: ACETAMIDE, N-9H-FLUOREN-2-YL-

. Waste code: U006
. Waste name: ACETYL CHLORIDE (C,R,T)

. Waste code: U007
. Waste name: ACRYLAMIDE

. Waste code: U008
. Waste name: ACRYLIC ACID (I)

. Waste code: U009
. Waste name: ACRYLONITRILE

. Waste code: U010
. Waste name: AZIRINO[2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[(AMINOCARBONYL)OXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-METHOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA,8AALPHA,8BALPHA)]-

. Waste code: U011
. Waste name: AMITROLE

. Waste code: U012
. Waste name: ANILINE (I,T)

. Waste code: U014
. Waste name: AURAMINE

. Waste code: U015
. Waste name: AZASERINE

. Waste code: U016
. Waste name: BENZ[C]ACRIDINE

. Waste code: U017
. Waste name: BENZAL CHLORIDE

F N BURT BOX FACTORY SITE FORMER (Continued) **1017788093**

. Waste code: U018
. Waste name: BENZ[A]ANTHRACENE

. Waste code: U019
. Waste name: BENZENE (I,T)

. Waste code: U020
. Waste name: BENZENESULFONIC ACID CHLORIDE (C,R)

. Waste code: U021
. Waste name: BENZIDINE

. Waste code: U022
. Waste name: BENZO[A]PYRENE

. Waste code: U023
. Waste name: BENZENE, (TRICHLOROMETHYL)-

. Waste code: U024
. Waste name: DICHLOROMETHOXY ETHANE

. Waste code: U025
. Waste name: DICHLOROETHYL ETHER

. Waste code: U026
. Waste name: CHLORNAPHAZIN

. Waste code: U027
. Waste name: DICHLOROISOPROPYL ETHER

. Waste code: U028
. Waste name: 1,2-BENZENEDICARBOXYLIC ACID, BIS(2-ETHYLHEXYL) ESTER

. Waste code: U029
. Waste name: METHANE, BROMO-

. Waste code: U030
. Waste name: BENZENE, 1-BROMO-4-PHENOXY-

. Waste code: U031
. Waste name: 1-BUTANOL (I)

. Waste code: U032
. Waste name: CALCIUM CHROMATE

. Waste code: U033
. Waste name: CARBONIC DIFLUORIDE

. Waste code: U034
. Waste name: ACETALDEHYDE, TRICHLORO-

. Waste code: U035
. Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]-

. Waste code: U036
. Waste name: CHLORDANE, ALPHA & GAMMA ISOMERS

F N BURT BOX FACTORY SITE FORMER (Continued) **1017788093**

. Waste code: U037
. Waste name: BENZENE, CHLORO-

. Waste code: U038
. Waste name: BENZENEACETIC ACID, 4-CHLORO-ALPHA-(4-CHLOROPHENYL)-ALPHA-HYDROXY-, ETHYL ESTER

. Waste code: U039
. Waste name: P-CHLORO-M-CRESOL

. Waste code: U041
. Waste name: EPICHLOROHYDRIN

. Waste code: U042
. Waste name: 2-CHLOROETHYL VINYL ETHER

. Waste code: U043
. Waste name: ETHENE, CHLORO-

. Waste code: U044
. Waste name: CHLOROFORM

. Waste code: U045
. Waste name: METHANE, CHLORO- (I, T)

. Waste code: U046
. Waste name: CHLOROMETHYL METHYL ETHER

. Waste code: U047
. Waste name: BETA-CHLORONAPHTHALENE

. Waste code: U048
. Waste name: O-CHLOROPHENOL

. Waste code: U049
. Waste name: BENZENAMINE, 4-CHLORO-2-METHYL-, HYDROCHLORIDE

. Waste code: U050
. Waste name: CHRYSENE

. Waste code: U051
. Waste name: CREOSOTE

. Waste code: U052
. Waste name: CRESOL (CRESYLIC ACID)

. Waste code: U053
. Waste name: 2-BUTENAL

. Waste code: U055
. Waste name: BENZENE, (1-METHYLETHYL)- (I)

. Waste code: U056
. Waste name: BENZENE, HEXAHYDRO- (I)

. Waste code: U057
. Waste name: CYCLOHEXANONE (I)

F N BURT BOX FACTORY SITE FORMER (Continued) **1017788093**

. Waste code: U058
. Waste name: CYCLOPHOSPHAMIDE

. Waste code: U059
. Waste name: DAUNOMYCIN

. Waste code: U060
. Waste name: BENZENE, 1,1'-(2,2-DICHLOROETHYLIDENE)BIS[4-CHLORO-

. Waste code: U061
. Waste name: BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4-CHLORO-

. Waste code: U062
. Waste name: CARBAMOTHIOIC ACID, BIS(1-METHYLETHYL)-, S-(2,3-DICHLORO-2-PROPENYL) ESTER

. Waste code: U063
. Waste name: DIBENZ[A,H]ANTHRACENE

. Waste code: U064
. Waste name: BENZO[RST]PENTAPHENE

. Waste code: U066
. Waste name: 1,2-DIBROMO-3-CHLOROPROPANE

. Waste code: U067
. Waste name: ETHANE, 1,2-DIBROMO-

. Waste code: U068
. Waste name: METHANE, DIBROMO-

. Waste code: U069
. Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER

. Waste code: U070
. Waste name: BENZENE, 1,2-DICHLORO-

. Waste code: U071
. Waste name: BENZENE, 1,3-DICHLORO-

. Waste code: U072
. Waste name: BENZENE, 1,4-DICHLORO-

. Waste code: U073
. Waste name: [1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DICHLORO-

. Waste code: U074
. Waste name: 2-BUTENE, 1,4-DICHLORO- (I,T)

. Waste code: U075
. Waste name: DICHLORODIFLUOROMETHANE

. Waste code: U076
. Waste name: ETHANE, 1,1-DICHLORO-

. Waste code: U077
. Waste name: ETHANE, 1,2-DICHLORO-

F N BURT BOX FACTORY SITE FORMER (Continued) **1017788093**

. Waste code: U078
. Waste name: 1,1-DICHLOROETHYLENE

. Waste code: U079
. Waste name: 1,2-DICHLOROETHYLENE

. Waste code: U080
. Waste name: METHANE, DICHLORO-

. Waste code: U081
. Waste name: 2,4-DICHLOROPHENOL

. Waste code: U082
. Waste name: 2,6-DICHLOROPHENOL

. Waste code: U083
. Waste name: PROPANE, 1,2-DICHLORO-

. Waste code: U084
. Waste name: 1,3-DICHLOROPROPENE

. Waste code: U085
. Waste name: 2,2'-BIOXIRANE

. Waste code: U086
. Waste name: N,N'-DIETHYLHYDRAZINE

. Waste code: U087
. Waste name: O,O-DIETHYL S-METHYL DITHIOPHOSPHATE

. Waste code: U088
. Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIETHYL ESTER

. Waste code: U089
. Waste name: DIETHYLSTILBESTEROL

. Waste code: U090
. Waste name: 1,3-BENZODIOXOLE, 5-PROPYL-

. Waste code: U091
. Waste name: [1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DIMETHOXY-

. Waste code: U092
. Waste name: DIMETHYLAMINE (I)

. Waste code: U093
. Waste name: BENZENAMINE, N,N-DIMETHYL-4-(PHENYLAZO)-

. Waste code: U094
. Waste name: BENZ[A]ANTHRACENE, 7,12-DIMETHYL-

. Waste code: U095
. Waste name: [1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DIMETHYL-

. Waste code: U096
. Waste name: ALPHA,ALPHA-DIMETHYLBENZYLHYDROPEROXIDE (R)

F N BURT BOX FACTORY SITE FORMER (Continued) **1017788093**

. Waste code: U097
. Waste name: CARBAMIC CHLORIDE, DIMETHYL-

. Waste code: U098
. Waste name: 1,1-DIMETHYLHYDRAZINE

. Waste code: U099
. Waste name: 1,2-DIMETHYLHYDRAZINE

. Waste code: U101
. Waste name: 2,4-DIMETHYLPHENOL

. Waste code: U102
. Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIMETHYL ESTER

. Waste code: U103
. Waste name: DIMETHYL SULFATE

. Waste code: U105
. Waste name: BENZENE, 1-METHYL-2,4-DINITRO-

. Waste code: U106
. Waste name: BENZENE, 2-METHYL-1,3-DINITRO-

. Waste code: U107
. Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIOCTYL ESTER

. Waste code: U108
. Waste name: 1,4-DIETHYLENEOXIDE

. Waste code: U109
. Waste name: 1,2-DIPHENYLHYDRAZINE

. Waste code: U110
. Waste name: DIPROPYLAMINE (I)

. Waste code: U111
. Waste name: DI-N-PROPYLNITROSAMINE

. Waste code: U112
. Waste name: ACETIC ACID ETHYL ESTER (I)

. Waste code: U113
. Waste name: ETHYL ACRYLATE (I)

. Waste code: U114
. Waste name: CARBAMODITHIOIC ACID, 1,2-ETHANEDIYLBIS-, SALTS & ESTERS

. Waste code: U115
. Waste name: ETHYLENE OXIDE (I,T)

. Waste code: U116
. Waste name: ETHYLENETHIOUREA

. Waste code: U117
. Waste name: ETHANE, 1,1'-OXYBIS-(I)

F N BURT BOX FACTORY SITE FORMER (Continued) **1017788093**

. Waste code: U118
. Waste name: ETHYL METHACRYLATE

. Waste code: U119
. Waste name: ETHYL METHANESULFONATE

. Waste code: U120
. Waste name: FLUORANTHENE

. Waste code: U121
. Waste name: METHANE, TRICHLOROFLUORO-

. Waste code: U122
. Waste name: FORMALDEHYDE

. Waste code: U123
. Waste name: FORMIC ACID (C,T)

. Waste code: U124
. Waste name: FURAN (I)

. Waste code: U125
. Waste name: 2-FURANCARBOXALDEHYDE (I)

. Waste code: U126
. Waste name: GLYCIDYLALDEHYDE

. Waste code: U127
. Waste name: BENZENE, HEXACHLORO-

. Waste code: U128
. Waste name: 1,3-BUTADIENE, 1,1,2,3,4,4-HEXACHLORO-

. Waste code: U129
. Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-,
(1ALPHA,2ALPHA,3BETA,4ALPHA,5ALPHA,6BETA)-

. Waste code: U130
. Waste name: 1,3-CYCLOPENTADIENE, 1,2,3,4,5,5-HEXACHLORO-

. Waste code: U131
. Waste name: ETHANE, HEXACHLORO-

. Waste code: U132
. Waste name: HEXACHLOROPHENE

. Waste code: U133
. Waste name: HYDRAZINE (R,T)

. Waste code: U134
. Waste name: HYDROFLUORIC ACID (C,T)

. Waste code: U135
. Waste name: HYDROGEN SULFIDE

. Waste code: U136
. Waste name: ARSINIC ACID, DIMETHYL-

F N BURT BOX FACTORY SITE FORMER (Continued) **1017788093**

. Waste code: U137
. Waste name: INDENO[1,2,3-CD]PYRENE

. Waste code: U138
. Waste name: METHANE, IODO-

. Waste code: U140
. Waste name: ISOBUTYL ALCOHOL (I,T)

. Waste code: U141
. Waste name: 1,3-BENZODIOXOLE, 5-(1-PROPENYL)-

. Waste code: U142
. Waste name: KEPONE

. Waste code: U143
. Waste name: 2-BUTENOIC ACID, 2-METHYL-, 7-[[2,3-DIHYDROXY-2-(1-METHOXYETHYL)-3-METHYL-1-OXOBUTOXY]METHYL]-2,3,5,7A-TETRAHYDRO-1H-PYRROLIZIN-1-YL ESTER, [1S-[1ALPHA(Z),7(2S*,3R*),7AALPHA]]-

. Waste code: U144
. Waste name: ACETIC ACID, LEAD(2+) SALT

. Waste code: U145
. Waste name: LEAD PHOSPHATE

. Waste code: U146
. Waste name: LEAD, BIS(ACETATO-O)TETRAHYDROXYTRI-

. Waste code: U147
. Waste name: 2,5-FURANDIONE

. Waste code: U148
. Waste name: MALEIC HYDRAZIDE

. Waste code: U149
. Waste name: MALONONITRILE

. Waste code: U150
. Waste name: MELPHALAN

. Waste code: U151
. Waste name: MERCURY

. Waste code: U152
. Waste name: METHACRYLONITRILE (I, T)

. Waste code: U153
. Waste name: METHANETHIOL (I, T)

. Waste code: U154
. Waste name: METHANOL (I)

. Waste code: U155
. Waste name: 1,2-ETHANEDIAMINE, N,N-DIMETHYL-N'-2-PYRIDINYL-N'-(2-THIENYLMETHYL)-

F N BURT BOX FACTORY SITE FORMER (Continued) **1017788093**

. Waste code: U156
. Waste name: CARBONOCHLORIDIC ACID, METHYL ESTER (I,T)

. Waste code: U157
. Waste name: BENZ[J]ACEANTHRYLENE, 1,2-DIHYDRO-3-METHYL-

. Waste code: U158
. Waste name: BENZENAMINE, 4,4'-METHYLENEBIS[2-CHLORO-

. Waste code: U159
. Waste name: 2-BUTANONE (I,T)

. Waste code: U160
. Waste name: 2-BUTANONE, PEROXIDE (R,T)

. Waste code: U161
. Waste name: METHYL ISOBUTYL KETONE (I)

. Waste code: U162
. Waste name: METHYL METHACRYLATE (I,T)

. Waste code: U163
. Waste name: GUANIDINE, N-METHYL-N'-NITRO-N-NITROSO-

. Waste code: U164
. Waste name: METHYLTHIOURACIL

. Waste code: U165
. Waste name: NAPHTHALENE

. Waste code: U166
. Waste name: 1,4-NAPHTHALENEDIONE

. Waste code: U167
. Waste name: 1-NAPHTHALENAMINE

. Waste code: U168
. Waste name: 2-NAPHTHALENAMINE

. Waste code: U169
. Waste name: BENZENE, NITRO-

. Waste code: U170
. Waste name: P-NITROPHENOL

. Waste code: U171
. Waste name: 2-NITROPROPANE (I,T)

. Waste code: U172
. Waste name: 1-BUTANAMINE, N-BUTYL-N-NITROSO-

. Waste code: U173
. Waste name: ETHANOL, 2,2'-(NITROSOIMINO)BIS-

. Waste code: U174
. Waste name: ETHANAMINE, N-ETHYL-N-NITROSO-

F N BURT BOX FACTORY SITE FORMER (Continued) **1017788093**

. Waste code: U176
. Waste name: N-NITROSO-N-ETHYLUREA

. Waste code: U177
. Waste name: N-NITROSO-N-METHYLUREA

. Waste code: U178
. Waste name: CARBAMIC ACID, METHYLNITROSO-, ETHYL ESTER

. Waste code: U179
. Waste name: N-NITROSOPIPERIDINE

. Waste code: U180
. Waste name: N-NITROSOPYRROLIDINE

. Waste code: U181
. Waste name: BENZENAMINE, 2-METHYL-5-NITRO-

. Waste code: U182
. Waste name: PARALDEHYDE

. Waste code: U183
. Waste name: BENZENE, PENTACHLORO-

. Waste code: U184
. Waste name: ETHANE, PENTACHLORO-

. Waste code: U185
. Waste name: BENZENE, PENTACHLORONITRO-

. Waste code: U186
. Waste name: 1-METHYLBUTADIENE (I)

. Waste code: U187
. Waste name: ACETAMIDE, N-(4-ETHOXYPHENYL)-

. Waste code: U188
. Waste name: PHENOL

. Waste code: U189
. Waste name: PHOSPHORUS SULFIDE (R)

. Waste code: U190
. Waste name: 1,3-ISOBENZOFURANDIONE

. Waste code: U191
. Waste name: 2-PICOLINE

. Waste code: U192
. Waste name: BENZAMIDE, 3,5-DICHLORO-N-(1,1-DIMETHYL-2-PROPYNYL)-

. Waste code: U193
. Waste name: 1,2-OXATHIOLANE, 2,2-DIOXIDE

. Waste code: U194
. Waste name: 1-PROPANAMINE (I,T)

F N BURT BOX FACTORY SITE FORMER (Continued) **1017788093**

. Waste code: U196
. Waste name: PYRIDINE

. Waste code: U197
. Waste name: P-BENZOQUINONE

. Waste code: U200
. Waste name: RESERPINE

. Waste code: U201
. Waste name: 1,3-BENZENEDIOL

. Waste code: U202
. Waste name: 1,2-BENZISOTHIAZOL-3(2H)-ONE, 1,1-DIOXIDE, & SALTS

. Waste code: U203
. Waste name: 1,3-BENZODIOXOLE, 5-(2-PROPENYL)-

. Waste code: U204
. Waste name: SELENIOUS ACID

. Waste code: U205
. Waste name: SELENIUM SULFIDE

. Waste code: U206
. Waste name: GLUCOPYRANOSE, 2-DEOXY-2-(3-METHYL-3-NITROSOUREIDO)-, D-

. Waste code: U207
. Waste name: BENZENE, 1,2,4,5-TETRACHLORO-

. Waste code: U208
. Waste name: ETHANE, 1,1,1,2-TETRACHLORO-

. Waste code: U209
. Waste name: ETHANE, 1,1,2,2-TETRACHLORO-

. Waste code: U210
. Waste name: ETHENE, TETRACHLORO-

. Waste code: U211
. Waste name: CARBON TETRACHLORIDE

. Waste code: U213
. Waste name: FURAN, TETRAHYDRO-(I)

. Waste code: U214
. Waste name: ACETIC ACID, THALLIUM(1+) SALT

. Waste code: U215
. Waste name: CARBONIC ACID, DITHALLIUM(1+) SALT

. Waste code: U216
. Waste name: THALLIUM(I) CHLORIDE

. Waste code: U217
. Waste name: NITRIC ACID, THALLIUM(1+) SALT

F N BURT BOX FACTORY SITE FORMER (Continued) **1017788093**

. Waste code: U218
. Waste name: ETHANETHIOAMIDE

. Waste code: U219
. Waste name: THIOUREA

. Waste code: U220
. Waste name: BENZENE, METHYL-

. Waste code: U221
. Waste name: BENZENEDIAMINE, AR-METHYL-

. Waste code: U222
. Waste name: BENZENAMINE, 2-METHYL-, HYDROCHLORIDE

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T)

. Waste code: U225
. Waste name: BROMOFORM

. Waste code: U226
. Waste name: ETHANE, 1,1,1-TRICHLORO-

. Waste code: U227
. Waste name: ETHANE, 1,1,2-TRICHLORO-

. Waste code: U228
. Waste name: ETHENE, TRICHLORO-

. Waste code: U234
. Waste name: BENZENE, 1,3,5-TRINITRO-

. Waste code: U235
. Waste name: 1-PROPANOL, 2,3-DIBROMO-, PHOSPHATE (3:1)

. Waste code: U236
. Waste name: 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-[(3,3'-DIMETHYL[1,1'-BIPHENYL]-4,4'-DIYL)BIS(AZO)BIS[5-AMINO-4-HYDROXY]-, TETRASODIUM SALT

. Waste code: U237
. Waste name: 2,4-(1H,3H)-PYRIMIDINEDIONE, 5-[BIS(2-CHLOROETHYL)AMINO]-

. Waste code: U238
. Waste name: CARBAMIC ACID, ETHYL ESTER

. Waste code: U239
. Waste name: BENZENE, DIMETHYL- (I,T)

. Waste code: U240
. Waste name: ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS

. Waste code: U243
. Waste name: HEXACHLOROPROPENE

. Waste code: U244

F N BURT BOX FACTORY SITE FORMER (Continued) **1017788093**

. Waste name: THIOPEROXYDICARBONIC DIAMIDE [(H2N)C(S)]2S2, TETRAMETHYL-

. Waste code: U246
. Waste name: CYANOGEN BROMIDE (CN)BR

. Waste code: U247
. Waste name: BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4- METHOXY-

. Waste code: U248
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYL-BUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS OF 0.3% OR LESS

. Waste code: U249
. Waste name: ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS OF 10% OR LESS

. Waste code: U271
. Waste name: BENOMYL (OR) CARBAMIC ACID, [1-[(BUTYLAMINO)CARBONYL]-1H-BENZIMIDAZOL-2-YL]-, METHYL ESTER

. Waste code: U277
. Waste name: U277

. Waste code: U278
. Waste name: BENDIOCARB (OR) 1,3-BENZODIOXOL-4-OL, 2,2-DIMETHYL-, METHYL CARBAMATE

. Waste code: U279
. Waste name: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE

. Waste code: U280
. Waste name: BARBAN (OR) CARBAMIC ACID, (3-CHLOROPHENYL)-, 4-CHLORO-2-BUTYNYL ESTER

. Waste code: U328
. Waste name: BENZENAMINE, 2-METHYL-

. Waste code: U353
. Waste name: BENZENAMINE, 4-METHYL-

. Waste code: U359
. Waste name: ETHANOL, 2-ETHOXY-

. Waste code: U364
. Waste name: BENDIOCARB PHENOL (OR) 1,3-BENZODIOXOL-4-OL, 2,2-DIMETHYL-

. Waste code: U365
. Waste name: U365

. Waste code: U366
. Waste name: U366

. Waste code: U367
. Waste name: 7-BENZOFURANOL, 2,3-DIHYDRO-2,2-DIMETHYL- (OR) CARBOFURAN PHENOL

. Waste code: U372
. Waste name: CARBAMIC ACID, 1H-BENZIMIDAZOL-2-YL, METHYL ESTER (OR) CARBENDAZIM

. Waste code: U373
. Waste name: CARBAMIC ACID, PHENYL-, 1-METHYLETHYL ESTER (OR) PROPHAM

F N BURT BOX FACTORY SITE FORMER (Continued) **1017788093**

. Waste code: U375
. Waste name: U375

. Waste code: U376
. Waste name: U376

. Waste code: U377
. Waste name: U377

. Waste code: U378
. Waste name: U378

. Waste code: U379
. Waste name: U379

. Waste code: U381
. Waste name: U381

. Waste code: U382
. Waste name: U382

. Waste code: U383
. Waste name: U383

. Waste code: U384
. Waste name: U384

. Waste code: U385
. Waste name: U385

. Waste code: U386
. Waste name: U386

. Waste code: U387
. Waste name: CARBAMOTHIOIC ACID, DIPROPYL-, S-(PHENYLMETHYL) ESTER (OR) PROSULFOCARB

. Waste code: U389
. Waste name: CARBAMOTHIOIC ACID, BIS(1-METHYLETHYL)-, S-(2,3,3-TRICHLORO-2-PROPENYL) ESTER (OR) TRIALLATE

. Waste code: U390
. Waste name: U390

. Waste code: U391
. Waste name: U391

. Waste code: U392
. Waste name: U392

. Waste code: U393
. Waste name: U393

. Waste code: U394
. Waste name: A2213 (OR) ETHANIMIDOTHIOIC ACID, 2-(DIMETHYLAMINO)-N-HYDROXY-2-OXO-, METHYL ESTER

F N BURT BOX FACTORY SITE FORMER (Continued) **1017788093**

. Waste code: U395
. Waste name: DIETHYLENE GLYCOL, DICARBAMATE (OR) ETHANOL, 2,2'-OXYBIS-, DICARBAMATE

. Waste code: U396
. Waste name: U396

. Waste code: U400
. Waste name: U400

. Waste code: U401
. Waste name: U401

. Waste code: U402
. Waste name: U402

. Waste code: U403
. Waste name: U403

. Waste code: U404
. Waste name: ETHANAMINE, N,N-DIETHYL- (OR) TRIETHYLAMINE

. Waste code: U407
. Waste name: U407

. Waste code: U408
. Waste name: U408

. Waste code: U409
. Waste name: CARBAMIC ACID, [1,2-PHENYLENEBIS (IMINOCARBONOTHIOYL)]BIS-, DIMETHYL ESTER (OR) THIOPHANATE-METHYL

. Waste code: U410
. Waste name: ETHANIMIDOTHIOIC ACID, N,N'-[THIOBIS[(METHYLIMINO)CARBONYLOXY]]BIS-, DIMETHYL ESTER (OR) THIODICARB

. Waste code: U411
. Waste name: PHENOL, 2-(1-METHYLETHOXY)-, METHYLCARBAMATE (OR) PROPOXUR

. Waste code: B001
. Waste name: B001

. Waste code: B002
. Waste name: B002

. Waste code: B003
. Waste name: B003

. Waste code: B004
. Waste name: B004

. Waste code: B005
. Waste name: B005

. Waste code: B006
. Waste name: B006

. Waste code: B007

F N BURT BOX FACTORY SITE FORMER (Continued) **1017788093**

. Waste name: B007

Historical Generators:
Date form received by agency: 03/30/2015
Site name: F N BURT BOX FACTORY SITE FORMER
Classification: Large Quantity Generator

. Waste code: D009
. Waste name: MERCURY

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F004
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: CRESOLS AND CRESYLIC ACID, AND NITROBENZENE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS

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LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F006
. Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS

. Waste code: F008
. Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

. Waste code: F009
. Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

. Waste code: F010
. Waste name: QUENCHING BATH RESIDUES FROM OIL BATHS FROM METAL HEAT TREATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

. Waste code: F011
. Waste name: SPENT CYANIDE SOLUTIONS FROM SALT BATH POT CLEANING FROM METAL HEAT TREATING OPERATIONS.

. Waste code: F012
. Waste name: QUENCHING WASTE WATER TREATMENT SLUDGES FROM METAL HEAT TREATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

. Waste code: F019
. Waste name: WASTEWATER TREATMENT SLUDGES FROM THE CHEMICAL CONVERSION COATING OF ALUMINUM EXCEPT FROM ZIRCONIUM PHOSPHATING IN ALUMINUM CAN WASHING WHEN SUCH PHOSPHATING IS AN EXCLUSIVE CONVERSION COATING PROCESS.

. Waste code: F020
. Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TRI- OR TETRACHLOROPHENOL, OR OF INTERMEDIATES USED TO PRODUCE THEIR PESTICIDE DERIVATIVES. (THIS LISTING DOES NOT INCLUDE WASTES FROM THE PRODUCTION OF HEXACHLOROPHENE FROM HIGHLY PURIFIED 2,4,5-TRICHLOROPHENOL).

. Waste code: F021
. Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF PENTACHLOROPHENOL, OR OF INTERMEDIATES USED TO PRODUCE ITS DERIVATIVES.

. Waste code: F022

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. Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TETRA-, PENTA-, OR HEXACHLOROBENZENES UNDER ALKALINE CONDITIONS.

. Waste code: F023
. Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OF MATERIALS ON EQUIPMENT PREVIOUSLY USED FOR THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TRI- AND TETRACHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE WASTES FROM EQUIPMENT USED ONLY FOR THE PRODUCTION OR USE OF HEXACHLOROPHENE FROM HIGHLY PURIFIED 2,4,5-TRICHLOROPHENOL).

. Waste code: F024
. Waste name: PROCESS WASTES, INCLUDING BUT NOT LIMITED TO, DISTILLATION RESIDUES, HEAVY ENDS, TARS, AND REACTOR CLEAN-OUT WASTES, FROM THE PRODUCTION OF CERTAIN CHLORINATED ALIPHATIC HYDROCARBONS BY FREE RADICAL CATALYZED PROCESSES. THESE CHLORINATED ALIPHATIC HYDROCARBONS ARE THOSE HAVING CARBON CHAIN LENGTHS RANGING FROM ONE TO AND INCLUDING FIVE, WITH VARYING AMOUNTS AND POSITIONS OF CHLORINE SUBSTITUTION. (THIS LISTING DOES NOT INCLUDE WASTEWATERS, WASTEWATER TREATMENT SLUDGES, SPENT CATALYSTS, AND WASTES LISTED IN SECTION 261.31 OR SECTION 261.32).

. Waste code: F025
. Waste name: CONDENSED LIGHT ENDS, SPENT FILTERS AND FILTER AIDS, AND SPENT DESICCANT WASTES FROM THE PRODUCTION OF CERTAIN CHLORINATED ALIPHATIC HYDROCARBONS, BY FREE RADICAL CATALYZED PROCESSES. THESE CHLORINATED ALIPHATIC HYDROCARBONS ARE THOSE HAVING CARBON CHAIN LENGTHS RANGING FROM ONE TO AND INCLUDING FIVE, WITH VARYING AMOUNTS AND POSITIONS OF CHLORINE SUBSTITUTION.

. Waste code: F026
. Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OF MATERIALS ON EQUIPMENT PREVIOUSLY USED FOR THE MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TETRA-, PENTA-, OR HEXACHLOROBENZENE UNDER ALKALINE CONDITIONS.

. Waste code: F027
. Waste name: DISCARDED UNUSED FORMULATIONS CONTAINING TRI-, TETRA-, OR PENTACHLOROPHENOL OR DISCARDED UNUSED FORMULATIONS CONTAINING COMPOUNDS DERIVED FROM THESE CHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE FORMULATIONS CONTAINING HEXACHLOROPHENE SYTHESIZED FROM PREPURIFIED 2,4,5-TRICHLOROPHENOL AS THE SOLE COMPONENT).

. Waste code: F028
. Waste name: RESIDUES RESULTING FROM THE INCINERATION OR THERMAL TREATMENT OF SOIL CONTAMINATED WITH EPA HAZARDOUS WASTE NOS. F020, F021, F022, F023, F026, AND F027.

. Waste code: F032
. Waste name: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESSES GENERATED AT PLANTS THAT CURRENTLY USE OR HAVE PREVIOUSLY USED CHLOROPHENOLIC FORMULATIONS (EXCEPT POTENTIALLY CROSS-CONTAMINATED WASTES THAT HAVE HAD THE F032 WASTE CODE DELETED IN ACCORDANCE WITH SECTION 261.35 OF THIS CHAPTER

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AND WHERE THE GENERATOR DOES NOT RESUME OR INITIATE USE OF CHLOROPHENOLIC FORMULATIONS). THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL. (NOTE: THE LISTING OF WASTEWATERS THAT HAVE NOT COME INTO CONTACT WITH PROCESS CONTAMINANTS IS STAYED ADMINISTRATIVELY. THE LISTING FOR PLANTS THAT HAVE PREVIOUSLY USED CHLOROPHENOLIC FORMULATIONS IS ADMINISTRATIVELY STAYED WHENEVER THESE WASTES ARE COVERED BY THE F034 OR F035 LISTINGS. THESE STAYS WILL REMAIN IN EFFECT UNTIL FURTHER ADMINISTRATIVE ACTION IS TAKEN.)

. Waste code: F034
. Waste name: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESS GENERATED AT PLANTS THAT USE CREOSOTE FORMULATIONS. THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL. (NOTE: THE LISTING OF WASTEWATERS THAT HAVE NOT COME INTO CONTACT WITH PROCESS CONTAMINANTS IS STAYED ADMINISTRATIVELY. THE STAY WILL REMAIN IN EFFECT UNTIL FURTHER ADMINISTRATIVE ACTION IS TAKEN.)

. Waste code: F035
. Waste name: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESS GENERATED AT PLANTS THAT USE INORGANIC PRESERVATIVES CONTAINING ARSENIC OR CHROMIUM. THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL (NOTE: THE LISTING OF WASTEWATERS THAT HAVE NOT COME INTO CONTACT WITH PROCESS CONTAMINANTS IS STAYED ADMINISTRATIVELY. THE STAY WILL REMAIN IN EFFECT UNTIL FURTHER ADMINISTRATIVE ACTION IS TAKEN.).

. Waste code: F037
. Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE-ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN: OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES; SUMPS; AND STORMWATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGE GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED FROM NON-CONTACT ONCE-THROUGH COOLING WATERS SEGREGATED FOR TREATMENT FROM OTHER PROCESS OR OILY COOLING WATERS, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS) AND K051 WASTES ARE NOT INCLUDED IN THIS LISTING.

. Waste code: F038
. Waste name: PETROLEUM REFINERY SECONDARY (EMULSIFIED) OIL/WATER/SOLIDS SEPARATION SLUDGE-ANY SLUDGE AND/OR FLOAT GENERATED FROM THE PHYSICAL AND/OR CHEMICAL SEPARATION OF OIL/WATER/SOLIDS IN PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH WASTES INCLUDE, BUT ARE NOT LIMITED TO, ALL SLUDGES AND FLOATS GENERATED IN: INDUCED AIR FLOTATION (IAF) UNITS, TANKS AND IMPOUNDMENTS, AND ALL SLUDGES GENERATED IN DAF UNITS. SLUDGES GENERATED IN STORMWATER UNITS

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THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED FROM NON-CONTACT ONCE-THROUGH COOLING WATERS SEGREGATED FOR TREATMENT FROM OTHER PROCESS OR OILY COOLING WATERS, SLUDGES AND FLOATS GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES AND FLOATS GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS) AND F037, K048, AND K051 WASTES ARE NOT INCLUDED IN THIS LISTING.

. Waste code: F039
. Waste name: LEACHATE (LIQUIDS THAT HAVE PERCOLATED THROUGH LAND DISPOSED WASTES) RESULTING FROM THE DISPOSAL OF MORE THAN ONE RESTRICTED WASTE CLASSIFIED AS HAZARDOUS UNDER SUBPART D OF THIS PART. (LEACHATE RESULTING FROM THE DISPOSAL OF ONE OR MORE OF THE FOLLOWING EPA HAZARDOUS WASTES AND NO OTHER HAZARDOUS WASTES RETAINS ITS EPA HAZARDOUS WASTES NUMBER(S): F020, F021, F022, F026, F027, AND/OR F028).

. Waste code: U001
. Waste name: ACETALDEHYDE (I)

. Waste code: U002
. Waste name: ACETONE (I)

. Waste code: U003
. Waste name: ACETONITRILE (I,T)

. Waste code: U004
. Waste name: ACETOPHENONE

. Waste code: U005
. Waste name: ACETAMIDE, N-9H-FLUOREN-2-YL-

. Waste code: U006
. Waste name: ACETYL CHLORIDE (C,R,T)

. Waste code: U007
. Waste name: ACRYLAMIDE

. Waste code: U008
. Waste name: ACRYLIC ACID (I)

. Waste code: U009
. Waste name: ACRYLONITRILE

. Waste code: U010
. Waste name: AZIRINO[2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[(AMINOCARBONYL)OXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-METHOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA,8AALPHA,8BALPHA)]-

. Waste code: U011
. Waste name: AMITROLE

. Waste code: U012
. Waste name: ANILINE (I,T)

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. Waste code: U014
. Waste name: AURAMINE

. Waste code: U015
. Waste name: AZASERINE

. Waste code: U016
. Waste name: BENZ[C]ACRIDINE

. Waste code: U017
. Waste name: BENZAL CHLORIDE

. Waste code: U018
. Waste name: BENZ[A]ANTHRACENE

. Waste code: U019
. Waste name: BENZENE (I,T)

. Waste code: U020
. Waste name: BENZENESULFONIC ACID CHLORIDE (C,R)

. Waste code: U021
. Waste name: BENZIDINE

. Waste code: U022
. Waste name: BENZO[A]PYRENE

. Waste code: U023
. Waste name: BENZENE, (TRICHLOROMETHYL)-

. Waste code: U024
. Waste name: DICHLOROMETHOXY ETHANE

. Waste code: U025
. Waste name: DICHLOROETHYL ETHER

. Waste code: U026
. Waste name: CHLORNAPHAZIN

. Waste code: U027
. Waste name: DICHLOROISOPROPYL ETHER

. Waste code: U028
. Waste name: 1,2-BENZENEDICARBOXYLIC ACID, BIS(2-ETHYLHEXYL) ESTER

. Waste code: U029
. Waste name: METHANE, BROMO-

. Waste code: U030
. Waste name: BENZENE, 1-BROMO-4-PHENOXY-

. Waste code: U031
. Waste name: 1-BUTANOL (I)

. Waste code: U032
. Waste name: CALCIUM CHROMATE

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. Waste code: U033
. Waste name: CARBONIC DIFLUORIDE

. Waste code: U034
. Waste name: ACETALDEHYDE, TRICHLORO-

. Waste code: U035
. Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]-

. Waste code: U036
. Waste name: CHLORDANE, ALPHA & GAMMA ISOMERS

. Waste code: U037
. Waste name: BENZENE, CHLORO-

. Waste code: U038
. Waste name: BENZENEACETIC ACID, 4-CHLORO-ALPHA-(4-CHLOROPHENYL)-ALPHA-HYDROXY-, ETHYL ESTER

. Waste code: U039
. Waste name: P-CHLORO-M-CRESOL

. Waste code: U041
. Waste name: EPICHLOROHYDRIN

. Waste code: U042
. Waste name: 2-CHLOROETHYL VINYL ETHER

. Waste code: U043
. Waste name: ETHENE, CHLORO-

. Waste code: U044
. Waste name: CHLOROFORM

. Waste code: U045
. Waste name: METHANE, CHLORO- (I, T)

. Waste code: U046
. Waste name: CHLOROMETHYL METHYL ETHER

. Waste code: U047
. Waste name: BETA-CHLORONAPHTHALENE

. Waste code: U048
. Waste name: O-CHLOROPHENOL

. Waste code: U049
. Waste name: BENZENAMINE, 4-CHLORO-2-METHYL-, HYDROCHLORIDE

. Waste code: U050
. Waste name: CHRYSENE

. Waste code: U051
. Waste name: CREOSOTE

. Waste code: U052
. Waste name: CRESOL (CRESYLIC ACID)

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. Waste code: U053
. Waste name: 2-BUTENAL

. Waste code: U055
. Waste name: BENZENE, (1-METHYLETHYL)- (I)

. Waste code: U056
. Waste name: BENZENE, HEXAHYDRO- (I)

. Waste code: U057
. Waste name: CYCLOHEXANONE (I)

. Waste code: U058
. Waste name: CYCLOPHOSPHAMIDE

. Waste code: U059
. Waste name: DAUNOMYCIN

. Waste code: U060
. Waste name: BENZENE, 1,1'-(2,2-DICHLOROETHYLIDENE)BIS[4-CHLORO-

. Waste code: U061
. Waste name: BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4-CHLORO-

. Waste code: U062
. Waste name: CARBAMOTHIOIC ACID, BIS(1-METHYLETHYL)-, S-(2,3-DICHLORO-2-PROPENYL) ESTER

. Waste code: U063
. Waste name: DIBENZ[A,H]ANTHRACENE

. Waste code: U064
. Waste name: BENZO[RST]PENTAPHENE

. Waste code: U066
. Waste name: 1,2-DIBROMO-3-CHLOROPROPANE

. Waste code: U067
. Waste name: ETHANE, 1,2-DIBROMO-

. Waste code: U068
. Waste name: METHANE, DIBROMO-

. Waste code: U069
. Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER

. Waste code: U070
. Waste name: BENZENE, 1,2-DICHLORO-

. Waste code: U071
. Waste name: BENZENE, 1,3-DICHLORO-

. Waste code: U072
. Waste name: BENZENE, 1,4-DICHLORO-

. Waste code: U073
. Waste name: [1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DICHLORO-

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. Waste code: U074
. Waste name: 2-BUTENE, 1,4-DICHLORO- (I,T)

. Waste code: U075
. Waste name: DICHLORODIFLUOROMETHANE

. Waste code: U076
. Waste name: ETHANE, 1,1-DICHLORO-

. Waste code: U077
. Waste name: ETHANE, 1,2-DICHLORO-

. Waste code: U078
. Waste name: 1,1-DICHLOROETHYLENE

. Waste code: U079
. Waste name: 1,2-DICHLOROETHYLENE

. Waste code: U080
. Waste name: METHANE, DICHLORO-

. Waste code: U081
. Waste name: 2,4-DICHLOROPHENOL

. Waste code: U082
. Waste name: 2,6-DICHLOROPHENOL

. Waste code: U083
. Waste name: PROPANE, 1,2-DICHLORO-

. Waste code: U084
. Waste name: 1,3-DICHLOROPROPENE

. Waste code: U085
. Waste name: 2,2'-BIOXIRANE

. Waste code: U086
. Waste name: N,N'-DIETHYLHYDRAZINE

. Waste code: U087
. Waste name: O,O-DIETHYL S-METHYL DITHIOPHOSPHATE

. Waste code: U088
. Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIETHYL ESTER

. Waste code: U089
. Waste name: DIETHYLSTILBESTEROL

. Waste code: U090
. Waste name: 1,3-BENZODIOXOLE, 5-PROPYL-

. Waste code: U091
. Waste name: [1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DIMETHOXY-

. Waste code: U092
. Waste name: DIMETHYLAMINE (I)

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. Waste code: U093
. Waste name: BENZENAMINE, N,N-DIMETHYL-4-(PHENYLAZO)-

. Waste code: U094
. Waste name: BENZ[A]ANTHRACENE, 7,12-DIMETHYL-

. Waste code: U095
. Waste name: [1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DIMETHYL-

. Waste code: U096
. Waste name: ALPHA,ALPHA-DIMETHYLBENZYLHYDROPEROXIDE (R)

. Waste code: U097
. Waste name: CARBAMIC CHLORIDE, DIMETHYL-

. Waste code: U098
. Waste name: 1,1-DIMETHYLHYDRAZINE

. Waste code: U099
. Waste name: 1,2-DIMETHYLHYDRAZINE

. Waste code: U101
. Waste name: 2,4-DIMETHYLPHENOL

. Waste code: U102
. Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIMETHYL ESTER

. Waste code: U103
. Waste name: DIMETHYL SULFATE

. Waste code: U105
. Waste name: BENZENE, 1-METHYL-2,4-DINITRO-

. Waste code: U106
. Waste name: BENZENE, 2-METHYL-1,3-DINITRO-

. Waste code: U107
. Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIOCTYL ESTER

. Waste code: U108
. Waste name: 1,4-DIETHYLENEOXIDE

. Waste code: U109
. Waste name: 1,2-DIPHENYLHYDRAZINE

. Waste code: U110
. Waste name: DIPROPYLAMINE (I)

. Waste code: U111
. Waste name: DI-N-PROPYLNITROSAMINE

. Waste code: U112
. Waste name: ACETIC ACID ETHYL ESTER (I)

. Waste code: U113
. Waste name: ETHYL ACRYLATE (I)

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. Waste code: U114
. Waste name: CARBAMODITHIOIC ACID, 1,2-ETHANEDIYLBIS-, SALTS & ESTERS

. Waste code: U115
. Waste name: ETHYLENE OXIDE (I,T)

. Waste code: U116
. Waste name: ETHYLENETHIOUREA

. Waste code: U117
. Waste name: ETHANE, 1,1'-OXYBIS-(I)

. Waste code: U118
. Waste name: ETHYL METHACRYLATE

. Waste code: U119
. Waste name: ETHYL METHANESULFONATE

. Waste code: U120
. Waste name: FLUORANTHENE

. Waste code: U121
. Waste name: METHANE, TRICHLOROFLUORO-

. Waste code: U122
. Waste name: FORMALDEHYDE

. Waste code: U123
. Waste name: FORMIC ACID (C,T)

. Waste code: U124
. Waste name: FURAN (I)

. Waste code: U125
. Waste name: 2-FURANCARBOXALDEHYDE (I)

. Waste code: U126
. Waste name: GLYCIDYLALDEHYDE

. Waste code: U127
. Waste name: BENZENE, HEXACHLORO-

. Waste code: U128
. Waste name: 1,3-BUTADIENE, 1,1,2,3,4,4-HEXACHLORO-

. Waste code: U129
. Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA,2ALPHA,3BETA,4ALPHA,5ALPHA,6BETA)-

. Waste code: U130
. Waste name: 1,3-CYCLOPENTADIENE, 1,2,3,4,5,5-HEXACHLORO-

. Waste code: U131
. Waste name: ETHANE, HEXACHLORO-

. Waste code: U132
. Waste name: HEXACHLOROPHENE

F N BURT BOX FACTORY SITE FORMER (Continued) **1017788093**

. Waste code: U133
. Waste name: HYDRAZINE (R,T)

. Waste code: U134
. Waste name: HYDROFLUORIC ACID (C,T)

. Waste code: U135
. Waste name: HYDROGEN SULFIDE

. Waste code: U136
. Waste name: ARSINIC ACID, DIMETHYL-

. Waste code: U137
. Waste name: INDENO[1,2,3-CD]PYRENE

. Waste code: U138
. Waste name: METHANE, IODO-

. Waste code: U140
. Waste name: ISOBUTYL ALCOHOL (I,T)

. Waste code: U141
. Waste name: 1,3-BENZODIOXOLE, 5-(1-PROPENYL)-

. Waste code: U142
. Waste name: KEPONE

. Waste code: U143
. Waste name: 2-BUTENOIC ACID, 2-METHYL-, 7-[[2,3-DIHYDROXY-
2-(1-METHOXYETHYL)-3-METHYL-1-OXOBUTOXY]METHYL]-
2,3,5,7A-TETRAHYDRO-1H-PYRROLIZIN-1-YL ESTER,
[1S-[1ALPHA(Z),7(2S*,3R*),7AALPHA]]-

. Waste code: U144
. Waste name: ACETIC ACID, LEAD(2+) SALT

. Waste code: U145
. Waste name: LEAD PHOSPHATE

. Waste code: U146
. Waste name: LEAD, BIS(ACETATO-O)TETRAHYDROXYTRI-

. Waste code: U147
. Waste name: 2,5-FURANDIONE

. Waste code: U148
. Waste name: MALEIC HYDRAZIDE

. Waste code: U149
. Waste name: MALONONITRILE

. Waste code: U150
. Waste name: MELPHALAN

. Waste code: U151
. Waste name: MERCURY

F N BURT BOX FACTORY SITE FORMER (Continued) **1017788093**

. Waste code: U152
. Waste name: METHACRYLONITRILE (I, T)

. Waste code: U153
. Waste name: METHANETHIOL (I, T)

. Waste code: U154
. Waste name: METHANOL (I)

. Waste code: U155
. Waste name: 1,2-ETHANEDIAMINE, N,N-DIMETHYL-N'-2-PYRIDINYL-N'-(2-THIENYLMETHYL)-

. Waste code: U156
. Waste name: CARBONOCHLORIDIC ACID, METHYL ESTER (I,T)

. Waste code: U157
. Waste name: BENZ[J]ACEANTHRYLENE, 1,2-DIHYDRO-3-METHYL-

. Waste code: U158
. Waste name: BENZENAMINE, 4,4'-METHYLENEBIS[2-CHLORO-

. Waste code: U159
. Waste name: 2-BUTANONE (I,T)

. Waste code: U160
. Waste name: 2-BUTANONE, PEROXIDE (R,T)

. Waste code: U161
. Waste name: METHYL ISOBUTYL KETONE (I)

. Waste code: U162
. Waste name: METHYL METHACRYLATE (I,T)

. Waste code: U163
. Waste name: GUANIDINE, N-METHYL-N'-NITRO-N-NITROSO-

. Waste code: U164
. Waste name: METHYLTHIOURACIL

. Waste code: U165
. Waste name: NAPHTHALENE

. Waste code: U166
. Waste name: 1,4-NAPHTHALENEDIONE

. Waste code: U167
. Waste name: 1-NAPHTHALENAMINE

. Waste code: U168
. Waste name: 2-NAPHTHALENAMINE

. Waste code: U169
. Waste name: BENZENE, NITRO-

. Waste code: U170
. Waste name: P-NITROPHENOL

F N BURT BOX FACTORY SITE FORMER (Continued) **1017788093**

. Waste code: U171
. Waste name: 2-NITROPROPANE (I,T)

. Waste code: U172
. Waste name: 1-BUTANAMINE, N-BUTYL-N-NITROSO-

. Waste code: U173
. Waste name: ETHANOL, 2,2'-(NITROSOIMINO)BIS-

. Waste code: U174
. Waste name: ETHANAMINE, N-ETHYL-N-NITROSO-

. Waste code: U176
. Waste name: N-NITROSO-N-ETHYLUREA

. Waste code: U177
. Waste name: N-NITROSO-N-METHYLUREA

. Waste code: U178
. Waste name: CARBAMIC ACID, METHYLNITROSO-, ETHYL ESTER

. Waste code: U179
. Waste name: N-NITROSOPIPERIDINE

. Waste code: U180
. Waste name: N-NITROSOPYRROLIDINE

. Waste code: U181
. Waste name: BENZENAMINE, 2-METHYL-5-NITRO-

. Waste code: U182
. Waste name: PARALDEHYDE

. Waste code: U183
. Waste name: BENZENE, PENTACHLORO-

. Waste code: U184
. Waste name: ETHANE, PENTACHLORO-

. Waste code: U185
. Waste name: BENZENE, PENTACHLORONITRO-

. Waste code: U186
. Waste name: 1-METHYLBUTADIENE (I)

. Waste code: U187
. Waste name: ACETAMIDE, N-(4-ETHOXYPHENYL)-

. Waste code: U188
. Waste name: PHENOL

. Waste code: U189
. Waste name: PHOSPHORUS SULFIDE (R)

. Waste code: U190
. Waste name: 1,3-ISOBENZOFURANDIONE

F N BURT BOX FACTORY SITE FORMER (Continued) **1017788093**

. Waste code: U191
. Waste name: 2-PICOLINE

. Waste code: U192
. Waste name: BENZAMIDE, 3,5-DICHLORO-N-(1,1-DIMETHYL-2-PROPYNYL)-

. Waste code: U193
. Waste name: 1,2-OXATHIOLANE, 2,2-DIOXIDE

. Waste code: U194
. Waste name: 1-PROPANAMINE (I,T)

. Waste code: U196
. Waste name: PYRIDINE

. Waste code: U197
. Waste name: P-BENZOQUINONE

. Waste code: U200
. Waste name: RESERPINE

. Waste code: U201
. Waste name: 1,3-BENZENEDIOL

. Waste code: U202
. Waste name: 1,2-BENZISOTHIAZOL-3(2H)-ONE, 1,1-DIOXIDE, & SALTS

. Waste code: U203
. Waste name: 1,3-BENZODIOXOLE, 5-(2-PROPENYL)-

. Waste code: U204
. Waste name: SELENIOUS ACID

. Waste code: U205
. Waste name: SELENIUM SULFIDE

. Waste code: U206
. Waste name: GLUCOPYRANOSE, 2-DEOXY-2-(3-METHYL-3-NITROSOUREIDO)-, D-

. Waste code: U207
. Waste name: BENZENE, 1,2,4,5-TETRACHLORO-

. Waste code: U208
. Waste name: ETHANE, 1,1,1,2-TETRACHLORO-

. Waste code: U209
. Waste name: ETHANE, 1,1,2,2-TETRACHLORO-

. Waste code: U210
. Waste name: ETHENE, TETRACHLORO-

. Waste code: U211
. Waste name: CARBON TETRACHLORIDE

. Waste code: U213
. Waste name: FURAN, TETRAHYDRO-(I)

F N BURT BOX FACTORY SITE FORMER (Continued) **1017788093**

. Waste code: U214
. Waste name: ACETIC ACID, THALLIUM(1+) SALT

. Waste code: U215
. Waste name: CARBONIC ACID, DITHALLIUM(1+) SALT

. Waste code: U216
. Waste name: THALLIUM(I) CHLORIDE

. Waste code: U217
. Waste name: NITRIC ACID, THALLIUM(1+) SALT

. Waste code: U218
. Waste name: ETHANETHIOAMIDE

. Waste code: U219
. Waste name: THIOUREA

. Waste code: U220
. Waste name: BENZENE, METHYL-

. Waste code: U221
. Waste name: BENZENEDIAMINE, AR-METHYL-

. Waste code: U222
. Waste name: BENZENAMINE, 2-METHYL-, HYDROCHLORIDE

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T)

. Waste code: U225
. Waste name: BROMOFORM

. Waste code: U226
. Waste name: ETHANE, 1,1,1-TRICHLORO-

. Waste code: U227
. Waste name: ETHANE, 1,1,2-TRICHLORO-

. Waste code: U228
. Waste name: ETHENE, TRICHLORO-

. Waste code: U234
. Waste name: BENZENE, 1,3,5-TRINITRO-

. Waste code: U235
. Waste name: 1-PROPANOL, 2,3-DIBROMO-, PHOSPHATE (3:1)

. Waste code: U236
. Waste name: 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-[(3,3'-DIMETHYL[1,1'-BIPHENYL]-4,4'-DIYL)BIS(AZO)BIS[5-AMINO-4-HYDROXY]-, TETRASODIUM SALT

. Waste code: U237
. Waste name: 2,4-(1H,3H)-PYRIMIDINEDIONE, 5-[BIS(2-CHLOROETHYL)AMINO]-

. Waste code: U238

F N BURT BOX FACTORY SITE FORMER (Continued) **1017788093**

. Waste name: CARBAMIC ACID, ETHYL ESTER

. Waste code: U239
. Waste name: BENZENE, DIMETHYL- (I,T)

. Waste code: U240
. Waste name: ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS

. Waste code: U243
. Waste name: HEXACHLOROPROPENE

. Waste code: U244
. Waste name: THIOPEROXYDICARBONIC DIAMIDE [(H2N)C(S)]2S2, TETRAMETHYL-

. Waste code: U246
. Waste name: CYANOGEN BROMIDE (CN)BR

. Waste code: U247
. Waste name: BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4- METHOXY-

. Waste code: U248
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYL-BUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS OF 0.3% OR LESS

. Waste code: U249
. Waste name: ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS OF 10% OR LESS

. Waste code: U271
. Waste name: BENOMYL (OR) CARBAMIC ACID, [1-[(BUTYLAMINO)CARBONYL]-1H-BENZIMIDAZOL-2-YL]-, METHYL ESTER

. Waste code: U277
. Waste name: U277

. Waste code: U278
. Waste name: BENDIOCARB (OR) 1,3-BENZODIOXOL-4-OL, 2,2-DIMETHYL-, METHYL CARBAMATE

. Waste code: U279
. Waste name: CARBARYL (OR) 1-NAPHTHALENOL, METHYLCARBAMATE

. Waste code: U280
. Waste name: BARBAN (OR) CARBAMIC ACID, (3-CHLOROPHENYL)-, 4-CHLORO-2-BUTYNYL ESTER

. Waste code: U328
. Waste name: BENZENAMINE, 2-METHYL-

. Waste code: U353
. Waste name: BENZENAMINE, 4-METHYL-

. Waste code: U359
. Waste name: ETHANOL, 2-ETHOXY-

. Waste code: U364
. Waste name: BENDIOCARB PHENOL (OR) 1,3-BENZODIOXOL-4-OL, 2,2-DIMETHYL-

. Waste code: U365
. Waste name: U365

F N BURT BOX FACTORY SITE FORMER (Continued) **1017788093**

. Waste code: U366
. Waste name: U366

. Waste code: U367
. Waste name: 7-BENZOFURANOL, 2,3-DIHYDRO-2,2-DIMETHYL- (OR) CARBOFURAN PHENOL

. Waste code: U372
. Waste name: CARBAMIC ACID, 1H-BENZIMIDAZOL-2-YL, METHYL ESTER (OR) CARBENDAZIM

. Waste code: U373
. Waste name: CARBAMIC ACID, PHENYL-, 1-METHYLETHYL ESTER (OR) PROPHAM

. Waste code: U375
. Waste name: U375

. Waste code: U376
. Waste name: U376

. Waste code: U377
. Waste name: U377

. Waste code: U378
. Waste name: U378

. Waste code: U379
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. Waste code: U381
. Waste name: U381

. Waste code: U382
. Waste name: U382

. Waste code: U383
. Waste name: U383

. Waste code: U384
. Waste name: U384

. Waste code: U385
. Waste name: U385

. Waste code: U386
. Waste name: U386

. Waste code: U387
. Waste name: CARBAMOTHIOIC ACID, DIPROPYL-, S-(PHENYLMETHYL) ESTER (OR) PROSULFOCARB

. Waste code: U389
. Waste name: CARBAMOTHIOIC ACID, BIS(1-METHYLETHYL)-, S-(2,3,3-TRICHLORO-2-PROPENYL) ESTER (OR) TRIALLATE

. Waste code: U390
. Waste name: U390

. Waste code: U391

F N BURT BOX FACTORY SITE FORMER (Continued) **1017788093**

. Waste name: U391

. Waste code: U392
. Waste name: U392

. Waste code: U393
. Waste name: U393

. Waste code: U394
. Waste name: A2213 (OR) ETHANIMIDOTHIOIC ACID, 2-(DIMETHYLAMINO)-N-HYDROXY-2-OXO-, METHYL ESTER

. Waste code: U395
. Waste name: DIETHYLENE GLYCOL, DICARBAMATE (OR) ETHANOL, 2,2'-OXYBIS-, DICARBAMATE

. Waste code: U396
. Waste name: U396

. Waste code: U400
. Waste name: U400

. Waste code: U401
. Waste name: U401

. Waste code: U402
. Waste name: U402

. Waste code: U403
. Waste name: U403

. Waste code: U404
. Waste name: ETHANAMINE, N,N-DIETHYL- (OR) TRIETHYLAMINE

. Waste code: U407
. Waste name: U407

. Waste code: U408
. Waste name: U408

. Waste code: U409
. Waste name: CARBAMIC ACID, [1,2-PHENYLENEBIS (IMINOCARBONOTHIOYL)]BIS-, DIMETHYL ESTER (OR) THIOPHANATE-METHYL

. Waste code: U410
. Waste name: ETHANIMIDOTHIOIC ACID, N,N'-[THIOBIS[(METHYLIMINO)CARBONYLOXY]]BIS-, DIMETHYL ESTER (OR) THIODICARB

. Waste code: U411
. Waste name: PHENOL, 2-(1-METHYLETHOXY)-, METHYLCARBAMATE (OR) PROPOXUR

. Waste code: B001
. Waste name: B001

. Waste code: B002
. Waste name: B002

. Waste code: B003

F N BURT BOX FACTORY SITE FORMER (Continued) **1017788093**

. Waste name: B003

. Waste code: B004
. Waste name: B004

. Waste code: B005
. Waste name: B005

. Waste code: B006
. Waste name: B006

. Waste code: B007
. Waste name: B007

Violation Status: No violations found

I38 **NEW ERA CAP CO** **NY ENG CONTROLS** **S108982783**
NW **500 SENECA ST** **NY INST CONTROL** **N/A**
1/8-1/4 **BUFFALO, NY 14203** **NY BROWNFIELDS**
0.179 mi. **NY Spills**
943 ft. **Site 5 of 6 in cluster I**

Relative: **Lower**
Actual: **588 ft.**

ENG CONTROLS:
Site Code: 478623
HW Code: C915273
Control Code: 15
Control Type: ENG
Date Record Added: 06/22/2015
Date Rec Updated: 07/11/2017
Updated By: mfmoore
Site Description: Location: The 500 Seneca Street Site is located in an urban, mixed-use, commercial and residential area within the City of Buffalo. The approximately 1.874 acre site encompasses an entire block bordered by Seneca Street to the south, Myrtle Street to the north, Hamburg Street to the east and Spring Street to the west. Site Features: The site is comprised of a 328,000 square foot multi-story building with a small open lot on the western site of the parcel. The building was constructed beginning in 1901 with various additions and expansions. An open-air courtyard exists in the eastern portion of the building. Current Zoning and Land Use: The site is currently vacant commercial property, and is zoned M-1, light industrial district. The building is listed in the National Registry of Historic Places. The future use of the site is intended for restricted residential and commercial. The nearest residential parcel is less than 500 feet to the north. Past Use of the Site: The site originally housed the F.N. Burt Company, which utilized the property for box manufacturing from original building construction in the early 1900's until 1959. Between approximately 1968 and 1980, Wolkind Bros, Inc., a clothing rental company, utilized the property. Between 1986 and 2004, the site was used for manufacturing, warehousing and shipping operations. The site has been largely vacant and underutilized since manufacturing operations ceased in 2004. Two underground storage tanks were removed from the open lot area in December 2007 under spill number 0751217. In addition to the tanks, approximately 45 tons of petroleum contaminated soil and 1,650 gallons of petroleum/water mixture was removed and disposed. Inaccessible petroleum impacted soil remained under a single story garage. The remaining impacts resulted in a closed-inactive status for the petroleum spill. Site Geology and Hydrology: The majority of the site is characterized by 6

NEW ERA CAP CO (Continued) **S108982783**

inches of asphalt or concrete above 6 inches of gravel, with underlying fill soils comprised mostly of sand and brick from 4 to 4.5 feet below ground surface. Native soils are encountered about 4.5 feet below ground surface and generally consist of clayey silt with intermittent layers of silty sand and gravel. Bedrock consisting of Middle Devonian, Onondaga Shale was encountered about 13 feet below ground surface Groundwater is encountered from 5 to 9 feet below ground surface. However when excavated to bedrock, little infiltration was noted, indicative of a perched condition. The site is located approximately 0.8 miles northeast of the Buffalo River and local site groundwater flows west-northwest with the upper horizon influenced by urban infrastructure.

Env Problem:	Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were arsenic, semi-volatile organic compounds (SVOCs) from residual petroleum products and trichloroethene in soil. Remedial actions have successfully achieved soil cleanup objectives for restricted residential use. Residual contamination in the soil is being managed under a Site Management Plan.
Health Problem:	Measures are in place to prevent contact with remaining site contaminants.
Dump:	True
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	2013-02-13 11:23:00
Record Upd:	2015-12-01 13:23:00
Updated By:	mfmoore
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Ms. Mary Jean Jakubowski
Owner Company:	Buffalo & Erie County Public Library
Owner Address:	1 Lafayette Square
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14203
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	07
Owner Name:	David P. Franjoine
Owner Company:	500 Seneca Street, LLC
Owner Address:	26 Mississippi Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14204
Owner Country:	United States of America
Own Op:	Applicant/Requestor
Sub Type:	P03
Owner Name:	Sam Savarino
Owner Company:	500 Seneca Street, LLC
Owner Address:	95 Perry Street, Suite 104
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14203
Owner Country:	United States of America

NEW ERA CAP CO (Continued) **S108982783**

Own Op:	On-Site Operator
Sub Type:	07
Owner Name:	David P. Franjoine
Owner Company:	500 Seneca Street, LLC
Owner Address:	26 Mississippi Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14204
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Maurice Moore
Owner Company:	New York State Department OF Environmental Conservation
Owner Address:	270 Michigan Avenue
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14203
Owner Country:	United States of America
HW Code:	C915273
Waste Type:	TRICHLOROETHENE (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915273
Waste Type:	CARBON TETRACHLORIDE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915273
Waste Type:	TETRACHLOROETHYLENE (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915273
Waste Type:	Petroleum Products
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915273
Waste Type:	tetrachloroethene (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915273
Waste Type:	PCB aroclor 1016
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915273
Waste Type:	arsenic
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915273
Waste Type:	arsenic
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915273
Waste Type:	lead
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915273
Waste Type:	lead
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915273

NEW ERA CAP CO (Continued) **S108982783**

Waste Type: barium
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: barium
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: C915273-04-13
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 2015-11-24 15:46:00
Record Updated: 2015-11-24 15:46:00
Updated By: mfmoore
Crossref ID: 2015119160 BK/PG D11281/83
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2015-11-24 15:49:00
Record Updated: 2015-11-24 15:49:00
Updated By: mfmoore
Crossref ID: 06/07/2015
Cross Ref Type Code: 26
Cross Ref Type: Agreement/Consent Order Date
Record Added Date: 2015-11-24 15:47:00
Record Updated: 2015-11-24 15:47:00
Updated By: mfmoore
Crossref ID: 0751217
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2013-02-19 13:08:00
Record Updated: 2013-02-19 13:08:00
Updated By: mfmoore

INST CONTROL:
Site Code: 478623
Control Name: Ground Water Use Restriction
HW Code: C915273
Control Code: 08
Control Type: INST
Dt record added: 06/22/2015
Dt rec updated: 07/11/2017
Updated By: mfmoore
Site Code: 478623
Site Description: Location: The 500 Seneca Street Site is located in an urban, mixed-use, commercial and residential area within the City of Buffalo. The approximately 1.874 acre site encompasses an entire block bordered by Seneca Street to the south, Myrtle Street to the north, Hamburg Street to the east and Spring Street to the west. Site Features: The site is comprised of a 328,000 square foot multi-story building with a small open lot on the western site of the parcel. The building was constructed beginning in 1901 with various additions and expansions. An open-air courtyard exists in the eastern portion of the building. Current Zoning and Land Use: The site is currently vacant commercial property, and is zoned M-1, light industrial district. The building is listed in the National Registry of Historic Places. The future use of the site is intended for restricted residential and commercial. The nearest residential parcel is less than 500 feet to the north. Past Use of the Site: The site originally

NEW ERA CAP CO (Continued) **S108982783**

housed the F.N. Burt Company, which utilized the property for box manufacturing from original building construction in the early 1900's until 1959. Between approximately 1968 and 1980, Wolkind Bros, Inc., a clothing rental company, utilized the property. Between 1986 and 2004, the site was used for manufacturing, warehousing and shipping operations. The site has been largely vacant and underutilized since manufacturing operations ceased in 2004. Two underground storage tanks were removed from the open lot area in December 2007 under spill number 0751217. In addition to the tanks, approximately 45 tons of petroleum contaminated soil and 1,650 gallons of petroleum/water mixture was removed and disposed. Inaccessible petroleum impacted soil remained under a single story garage. The remaining impacts resulted in a closed-inactive status for the petroleum spill. Site Geology and Hydrology: The majority of the site is characterized by 6 inches of asphalt or concrete above 6 inches of gravel, with underlying fill soils comprised mostly of sand and brick from 4 to 4.5 feet below ground surface. Native soils are encountered about 4.5 feet below ground surface and generally consist of clayey silt with intermittent layers of silty sand and gravel. Bedrock consisting of Middle Devonian, Onondaga Shale was encountered about 13 feet below ground surface Groundwater is encountered from 5 to 9 feet below ground surface. However when excavated to bedrock, little infiltration was noted, indicative of a perched condition. The site is located approximately 0.8 miles northeast of the Buffalo River and local site groundwater flows west-northwest with the upper horizon influenced by urban infrastructure.

Env Problem:	Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were arsenic, semi-volatile organic compounds (SVOCs) from residual petroleum products and trichloroethene in soil. Remedial actions have successfully achieved soil cleanup objectives for restricted residential use. Residual contamination in the soil is being managed under a Site Management Plan.
Health Problem:	Measures are in place to prevent contact with remaining site contaminants.
Dump:	True
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	2013-02-13 11:23:00
Record Upd:	2015-12-01 13:23:00
Updated By:	mfmoore
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Ms. Mary Jean Jakubowski
Owner Company:	Buffalo & Erie County Public Library
Owner Address:	1 Lafayette Square
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14203
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	07

NEW ERA CAP CO (Continued) **S108982783**

Owner Name: David P. Franjoine
Owner Company: 500 Seneca Street, LLC
Owner Address: 26 Mississippi Street
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14204
Owner Country: United States of America
Own Op: Applicant/Requestor
Sub Type: P03
Owner Name: Sam Savarino
Owner Company: 500 Seneca Street, LLC
Owner Address: 95 Perry Street, Suite 104
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14203
Owner Country: United States of America
Own Op: On-Site Operator
Sub Type: 07
Owner Name: David P. Franjoine
Owner Company: 500 Seneca Street, LLC
Owner Address: 26 Mississippi Street
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14204
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Maurice Moore
Owner Company: New York State Department OF Environmental Conservation
Owner Address: 270 Michigan Avenue
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14203
Owner Country: United States of America
HW Code: C915273
Waste Type: TRICHLOROETHENE (TCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: CARBON TETRACHLORIDE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: TETRACHLOROETHYLENE (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: Petroleum Products
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: tetrachloroethene (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: PCB aroclor 1016
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: arsenic
Waste Quantity: UNKNOWN

NEW ERA CAP CO (Continued) **S108982783**

Waste Code: Not reported
HW Code: C915273
Waste Type: arsenic
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: lead
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: lead
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: barium
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: barium
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: C915273-04-13
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 2015-11-24 15:46:00
Record Updated: 2015-11-24 15:46:00
Updated By: mfmoore
Crossref ID: 2015119160 BK/PG D11281/83
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2015-11-24 15:49:00
Record Updated: 2015-11-24 15:49:00
Updated By: mfmoore
Crossref ID: 06/07/2015
Cross Ref Type Code: 26
Cross Ref Type: Agreement/Consent Order Date
Record Added Date: 2015-11-24 15:47:00
Record Updated: 2015-11-24 15:47:00
Updated By: mfmoore
Crossref ID: 0751217
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2013-02-19 13:08:00
Record Updated: 2013-02-19 13:08:00
Updated By: mfmoore

Site Code: 478623
Control Name: Site Management Plan
HW Code: C915273
Control Code: 32
Control Type: INST
Dt record added: 06/22/2015
Dt rec updated: 07/11/2017
Updated By: mfmoore
Site Code: 478623
Site Description: Location: The 500 Seneca Street Site is located in an urban, mixed-use, commercial and residential area within the City of

NEW ERA CAP CO (Continued) **S108982783**

Buffalo. The approximately 1.874 acre site encompasses an entire block bordered by Seneca Street to the south, Myrtle Street to the north, Hamburg Street to the east and Spring Street to the west. Site Features: The site is comprised of a 328,000 square foot multi-story building with a small open lot on the western site of the parcel. The building was constructed beginning in 1901 with various additions and expansions. An open-air courtyard exists in the eastern portion of the building. Current Zoning and Land Use: The site is currently vacant commercial property, and is zoned M-1, light industrial district. The building is listed in the National Registry of Historic Places. The future use of the site is intended for restricted residential and commercial. The nearest residential parcel is less than 500 feet to the north. Past Use of the Site: The site originally housed the F.N. Burt Company, which utilized the property for box manufacturing from original building construction in the early 1900's until 1959. Between approximately 1968 and 1980, Wolkind Bros, Inc., a clothing rental company, utilized the property. Between 1986 and 2004, the site was used for manufacturing, warehousing and shipping operations. The site has been largely vacant and underutilized since manufacturing operations ceased in 2004. Two underground storage tanks were removed from the open lot area in December 2007 under spill number 0751217. In addition to the tanks, approximately 45 tons of petroleum contaminated soil and 1,650 gallons of petroleum/water mixture was removed and disposed. Inaccessible petroleum impacted soil remained under a single story garage. The remaining impacts resulted in a closed-inactive status for the petroleum spill. Site Geology and Hydrology: The majority of the site is characterized by 6 inches of asphalt or concrete above 6 inches of gravel, with underlying fill soils comprised mostly of sand and brick from 4 to 4.5 feet below ground surface. Native soils are encountered about 4.5 feet below ground surface and generally consist of clayey silt with intermittent layers of silty sand and gravel. Bedrock consisting of Middle Devonian, Onondaga Shale was encountered about 13 feet below ground surface Groundwater is encountered from 5 to 9 feet below ground surface. However when excavated to bedrock, little infiltration was noted, indicative of a perched condition. The site is located approximately 0.8 miles northeast of the Buffalo River and local site groundwater flows west-northwest with the upper horizon influenced by urban infrastructure.

Env Problem: Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were arsenic, semi-volatile organic compounds (SVOCs) from residual petroleum products and trichloroethene in soil. Remedial actions have successfully achieved soil cleanup objectives for restricted residential use. Residual contamination in the soil is being managed under a Site Management Plan.

Health Problem: Measures are in place to prevent contact with remaining site contaminants.

Dump: True
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported

NEW ERA CAP CO (Continued) **S108982783**

Record Add: 2013-02-13 11:23:00
Record Upd: 2015-12-01 13:23:00
Updated By: mfmoore
Own Op: Document Repository
Sub Type: NNN
Owner Name: Ms. Mary Jean Jakubowski
Owner Company: Buffalo & Erie County Public Library
Owner Address: 1 Lafayette Square
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14203
Owner Country: United States of America
Own Op: Owner
Sub Type: 07
Owner Name: David P. Franjoine
Owner Company: 500 Seneca Street, LLC
Owner Address: 26 Mississippi Street
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14204
Owner Country: United States of America
Own Op: Applicant/Requestor
Sub Type: P03
Owner Name: Sam Savarino
Owner Company: 500 Seneca Street, LLC
Owner Address: 95 Perry Street, Suite 104
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14203
Owner Country: United States of America
Own Op: On-Site Operator
Sub Type: 07
Owner Name: David P. Franjoine
Owner Company: 500 Seneca Street, LLC
Owner Address: 26 Mississippi Street
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14204
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Maurice Moore
Owner Company: New York State Department OF Environmental Conservation
Owner Address: 270 Michigan Avenue
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14203
Owner Country: United States of America
HW Code: C915273
Waste Type: TRICHLOROETHENE (TCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: CARBON TETRACHLORIDE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: TETRACHLOROETHYLENE (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: Petroleum Products

NEW ERA CAP CO (Continued) **S108982783**

Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: tetrachloroethene (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: PCB aroclor 1016
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: arsenic
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: arsenic
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: lead
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: lead
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: barium
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: barium
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: C915273-04-13
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 2015-11-24 15:46:00
Record Updated: 2015-11-24 15:46:00
Updated By: mfmoore
Crossref ID: 2015119160 BK/PG D11281/83
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2015-11-24 15:49:00
Record Updated: 2015-11-24 15:49:00
Updated By: mfmoore
Crossref ID: 06/07/2015
Cross Ref Type Code: 26
Cross Ref Type: Agreement/Consent Order Date
Record Added Date: 2015-11-24 15:47:00
Record Updated: 2015-11-24 15:47:00
Updated By: mfmoore
Crossref ID: 0751217
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2013-02-19 13:08:00
Record Updated: 2013-02-19 13:08:00

NEW ERA CAP CO (Continued) **S108982783**

Updated By: mfmoore

Site Code: 478623
Control Name: IC/EC Plan
HW Code: C915273
Control Code: 34
Control Type: INST
Dt record added: 06/22/2015
Dt rec updated: 07/11/2017
Updated By: mfmoore
Site Code: 478623
Site Description: Location: The 500 Seneca Street Site is located in an urban, mixed-use, commercial and residential area within the City of Buffalo. The approximately 1.874 acre site encompasses an entire block bordered by Seneca Street to the south, Myrtle Street to the north, Hamburg Street to the east and Spring Street to the west. Site Features: The site is comprised of a 328,000 square foot multi-story building with a small open lot on the western site of the parcel. The building was constructed beginning in 1901 with various additions and expansions. An open-air courtyard exists in the eastern portion of the building. Current Zoning and Land Use: The site is currently vacant commercial property, and is zoned M-1, light industrial district. The building is listed in the National Registry of Historic Places. The future use of the site is intended for restricted residential and commercial. The nearest residential parcel is less than 500 feet to the north. Past Use of the Site: The site originally housed the F.N. Burt Company, which utilized the property for box manufacturing from original building construction in the early 1900's until 1959. Between approximately 1968 and 1980, Wolkind Bros, Inc., a clothing rental company, utilized the property. Between 1986 and 2004, the site was used for manufacturing, warehousing and shipping operations. The site has been largely vacant and underutilized since manufacturing operations ceased in 2004. Two underground storage tanks were removed from the open lot area in December 2007 under spill number 0751217. In addition to the tanks, approximately 45 tons of petroleum contaminated soil and 1,650 gallons of petroleum/water mixture was removed and disposed. Inaccessible petroleum impacted soil remained under a single story garage. The remaining impacts resulted in a closed-inactive status for the petroleum spill. Site Geology and Hydrology: The majority of the site is characterized by 6 inches of asphalt or concrete above 6 inches of gravel, with underlying fill soils comprised mostly of sand and brick from 4 to 4.5 feet below ground surface. Native soils are encountered about 4.5 feet below ground surface and generally consist of clayey silt with intermittent layers of silty sand and gravel. Bedrock consisting of Middle Devonian, Onondaga Shale was encountered about 13 feet below ground surface Groundwater is encountered from 5 to 9 feet below ground surface. However when excavated to bedrock, little infiltration was noted, indicative of a perched condition. The site is located approximately 0.8 miles northeast of the Buffalo River and local site groundwater flows west-northwest with the upper horizon influenced by urban infrastructure.
Env Problem: Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were arsenic, semi-volatile organic compounds (SVOCs) from residual petroleum products and trichloroethene in soil. Remedial actions have successfully achieved soil cleanup objectives for restricted

NEW ERA CAP CO (Continued) **S108982783**

	residential use. Residual contamination in the soil is being managed under a Site Management Plan.
Health Problem:	Measures are in place to prevent contact with remaining site contaminants.
Dump:	True
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	2013-02-13 11:23:00
Record Upd:	2015-12-01 13:23:00
Updated By:	mfmoore
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Ms. Mary Jean Jakubowski
Owner Company:	Buffalo & Erie County Public Library
Owner Address:	1 Lafayette Square
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14203
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	07
Owner Name:	David P. Franjoine
Owner Company:	500 Seneca Street, LLC
Owner Address:	26 Mississippi Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14204
Owner Country:	United States of America
Own Op:	Applicant/Requestor
Sub Type:	P03
Owner Name:	Sam Savarino
Owner Company:	500 Seneca Street, LLC
Owner Address:	95 Perry Street, Suite 104
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14203
Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	07
Owner Name:	David P. Franjoine
Owner Company:	500 Seneca Street, LLC
Owner Address:	26 Mississippi Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14204
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Maurice Moore
Owner Company:	New York State Department OF Environmental Conservation
Owner Address:	270 Michigan Avenue
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14203
Owner Country:	United States of America
HW Code:	C915273

NEW ERA CAP CO (Continued) **S108982783**

Waste Type: TRICHLOROETHENE (TCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: CARBON TETRACHLORIDE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: TETRACHLOROETHYLENE (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: Petroleum Products
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: tetrachloroethene (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: PCB aroclor 1016
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: arsenic
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: arsenic
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: lead
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: lead
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: barium
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: barium
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: C915273-04-13
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 2015-11-24 15:46:00
Record Updated: 2015-11-24 15:46:00
Updated By: mfmoore
Crossref ID: 2015119160 BK/PG D11281/83
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2015-11-24 15:49:00

NEW ERA CAP CO (Continued) **S108982783**

Record Updated: 2015-11-24 15:49:00
Updated By: mfmoore
Crossref ID: 06/07/2015
Cross Ref Type Code: 26
Cross Ref Type: Agreement/Consent Order Date
Record Added Date: 2015-11-24 15:47:00
Record Updated: 2015-11-24 15:47:00
Updated By: mfmoore
Crossref ID: 0751217
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2013-02-19 13:08:00
Record Updated: 2013-02-19 13:08:00
Updated By: mfmoore

Site Code: 478623
Control Name: Environmental Easement
HW Code: C915273
Control Code: J
Control Type: INST
Dt record added: 06/22/2015
Dt rec updated: 07/11/2017
Updated By: mfmoore
Site Code: 478623
Site Description: Location: The 500 Seneca Street Site is located in an urban, mixed-use, commercial and residential area within the City of Buffalo. The approximately 1.874 acre site encompasses an entire block bordered by Seneca Street to the south, Myrtle Street to the north, Hamburg Street to the east and Spring Street to the west. Site Features: The site is comprised of a 328,000 square foot multi-story building with a small open lot on the western site of the parcel. The building was constructed beginning in 1901 with various additions and expansions. An open-air courtyard exists in the eastern portion of the building. Current Zoning and Land Use: The site is currently vacant commercial property, and is zoned M-1, light industrial district. The building is listed in the National Registry of Historic Places. The future use of the site is intended for restricted residential and commercial. The nearest residential parcel is less than 500 feet to the north. Past Use of the Site: The site originally housed the F.N. Burt Company, which utilized the property for box manufacturing from original building construction in the early 1900's until 1959. Between approximately 1968 and 1980, Wolkind Bros, Inc., a clothing rental company, utilized the property. Between 1986 and 2004, the site was used for manufacturing, warehousing and shipping operations. The site has been largely vacant and underutilized since manufacturing operations ceased in 2004. Two underground storage tanks were removed from the open lot area in December 2007 under spill number 0751217. In addition to the tanks, approximately 45 tons of petroleum contaminated soil and 1,650 gallons of petroleum/water mixture was removed and disposed. Inaccessible petroleum impacted soil remained under a single story garage. The remaining impacts resulted in a closed-inactive status for the petroleum spill. Site Geology and Hydrology: The majority of the site is characterized by 6 inches of asphalt or concrete above 6 inches of gravel, with underlying fill soils comprised mostly of sand and brick from 4 to 4.5 feet below ground surface. Native soils are encountered about 4.5 feet below ground surface and generally consist of clayey silt with

NEW ERA CAP CO (Continued) **S108982783**

intermittent layers of silty sand and gravel. Bedrock consisting of Middle Devonian, Onondaga Shale was encountered about 13 feet below ground surface Groundwater is encountered from 5 to 9 feet below ground surface. However when excavated to bedrock, little infiltration was noted, indicative of a perched condition. The site is located approximately 0.8 miles northeast of the Buffalo River and local site groundwater flows west-northwest with the upper horizon influenced by urban infrastructure.

Env Problem: Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were arsenic, semi-volatile organic compounds (SVOCs) from residual petroleum products and trichloroethene in soil. Remedial actions have successfully achieved soil cleanup objectives for restricted residential use. Residual contamination in the soil is being managed under a Site Management Plan.

Health Problem: Measures are in place to prevent contact with remaining site contaminants.

Dump: True
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 2013-02-13 11:23:00
Record Upd: 2015-12-01 13:23:00
Updated By: mfmoore
Own Op: Document Repository
Sub Type: NNN
Owner Name: Ms. Mary Jean Jakubowski
Owner Company: Buffalo & Erie County Public Library
Owner Address: 1 Lafayette Square
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14203
Owner Country: United States of America
Own Op: Owner
Sub Type: 07
Owner Name: David P. Franjoine
Owner Company: 500 Seneca Street, LLC
Owner Address: 26 Mississippi Street
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14204
Owner Country: United States of America
Own Op: Applicant/Requestor
Sub Type: P03
Owner Name: Sam Savarino
Owner Company: 500 Seneca Street, LLC
Owner Address: 95 Perry Street, Suite 104
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14203
Owner Country: United States of America
Own Op: On-Site Operator
Sub Type: 07
Owner Name: David P. Franjoine
Owner Company: 500 Seneca Street, LLC

NEW ERA CAP CO (Continued) **S108982783**

Owner Address: 26 Mississippi Street
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14204
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Maurice Moore
Owner Company: New York State Department OF Environmental Conservation
Owner Address: 270 Michigan Avenue
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14203
Owner Country: United States of America
HW Code: C915273
Waste Type: TRICHLOROETHENE (TCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: CARBON TETRACHLORIDE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: TETRACHLOROETHYLENE (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: Petroleum Products
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: tetrachloroethene (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: PCB aroclor 1016
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: arsenic
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: arsenic
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: lead
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: lead
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: barium
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273

NEW ERA CAP CO (Continued) **S108982783**

Waste Type: barium
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: C915273-04-13
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 2015-11-24 15:46:00
Record Updated: 2015-11-24 15:46:00
Updated By: mfmoore
Crossref ID: 2015119160 BK/PG D11281/83
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2015-11-24 15:49:00
Record Updated: 2015-11-24 15:49:00
Updated By: mfmoore
Crossref ID: 06/07/2015
Cross Ref Type Code: 26
Cross Ref Type: Agreement/Consent Order Date
Record Added Date: 2015-11-24 15:47:00
Record Updated: 2015-11-24 15:47:00
Updated By: mfmoore
Crossref ID: 0751217
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2013-02-19 13:08:00
Record Updated: 2013-02-19 13:08:00
Updated By: mfmoore

Site Code: 478623
Control Name: Soil Management Plan
HW Code: C915273
Control Code: 14
Control Type: INST
Dt record added: 06/22/2015
Dt rec updated: 07/11/2017
Updated By: mfmoore
Site Code: 478623
Site Description: Location: The 500 Seneca Street Site is located in an urban, mixed-use, commercial and residential area within the City of Buffalo. The approximately 1.874 acre site encompasses an entire block bordered by Seneca Street to the south, Myrtle Street to the north, Hamburg Street to the east and Spring Street to the west. Site Features: The site is comprised of a 328,000 square foot multi-story building with a small open lot on the western site of the parcel. The building was constructed beginning in 1901 with various additions and expansions. An open-air courtyard exists in the eastern portion of the building. Current Zoning and Land Use: The site is currently vacant commercial property, and is zoned M-1, light industrial district. The building is listed in the National Registry of Historic Places. The future use of the site is intended for restricted residential and commercial. The nearest residential parcel is less than 500 feet to the north. Past Use of the Site: The site originally housed the F.N. Burt Company, which utilized the property for box manufacturing from original building construction in the early 1900's until 1959. Between approximately 1968 and 1980, Wolkind Bros, Inc., a clothing rental company, utilized the property. Between 1986 and 2004, the site was used for manufacturing, warehousing and shipping

NEW ERA CAP CO (Continued) **S108982783**

operations. The site has been largely vacant and underutilized since manufacturing operations ceased in 2004. Two underground storage tanks were removed from the open lot area in December 2007 under spill number 0751217. In addition to the tanks, approximately 45 tons of petroleum contaminated soil and 1,650 gallons of petroleum/water mixture was removed and disposed. Inaccessible petroleum impacted soil remained under a single story garage. The remaining impacts resulted in a closed-inactive status for the petroleum spill. Site Geology and Hydrology: The majority of the site is characterized by 6 inches of asphalt or concrete above 6 inches of gravel, with underlying fill soils comprised mostly of sand and brick from 4 to 4.5 feet below ground surface. Native soils are encountered about 4.5 feet below ground surface and generally consist of clayey silt with intermittent layers of silty sand and gravel. Bedrock consisting of Middle Devonian, Onondaga Shale was encountered about 13 feet below ground surface Groundwater is encountered from 5 to 9 feet below ground surface. However when excavated to bedrock, little infiltration was noted, indicative of a perched condition. The site is located approximately 0.8 miles northeast of the Buffalo River and local site groundwater flows west-northwest with the upper horizon influenced by urban infrastructure.

Env Problem: Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were arsenic, semi-volatile organic compounds (SVOCs) from residual petroleum products and trichloroethene in soil. Remedial actions have successfully achieved soil cleanup objectives for restricted residential use. Residual contamination in the soil is being managed under a Site Management Plan.

Health Problem: Measures are in place to prevent contact with remaining site contaminants.

Dump: True
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 2013-02-13 11:23:00
Record Upd: 2015-12-01 13:23:00
Updated By: mfmoore
Own Op: Document Repository
Sub Type: NNN
Owner Name: Ms. Mary Jean Jakubowski
Owner Company: Buffalo & Erie County Public Library
Owner Address: 1 Lafayette Square
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14203
Owner Country: United States of America
Own Op: Owner
Sub Type: 07
Owner Name: David P. Franjoine
Owner Company: 500 Seneca Street, LLC
Owner Address: 26 Mississippi Street
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14204

NEW ERA CAP CO (Continued) **S108982783**

Owner Country: United States of America
Own Op: Applicant/Requestor
Sub Type: P03
Owner Name: Sam Savarino
Owner Company: 500 Seneca Street, LLC
Owner Address: 95 Perry Street, Suite 104
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14203
Owner Country: United States of America
Own Op: On-Site Operator
Sub Type: 07
Owner Name: David P. Franjoine
Owner Company: 500 Seneca Street, LLC
Owner Address: 26 Mississippi Street
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14204
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Maurice Moore
Owner Company: New York State Department OF Environmental Conservation
Owner Address: 270 Michigan Avenue
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14203
Owner Country: United States of America
HW Code: C915273
Waste Type: TRICHLOROETHENE (TCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: CARBON TETRACHLORIDE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: TETRACHLOROETHYLENE (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: Petroleum Products
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: tetrachloroethene (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: PCB aroclor 1016
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: arsenic
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: arsenic
Waste Quantity: UNKNOWN
Waste Code: Not reported

NEW ERA CAP CO (Continued) **S108982783**

HW Code: C915273
Waste Type: lead
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: lead
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: barium
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: barium
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: C915273-04-13
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 2015-11-24 15:46:00
Record Updated: 2015-11-24 15:46:00
Updated By: mfmoore
Crossref ID: 2015119160 BK/PG D11281/83
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2015-11-24 15:49:00
Record Updated: 2015-11-24 15:49:00
Updated By: mfmoore
Crossref ID: 06/07/2015
Cross Ref Type Code: 26
Cross Ref Type: Agreement/Consent Order Date
Record Added Date: 2015-11-24 15:47:00
Record Updated: 2015-11-24 15:47:00
Updated By: mfmoore
Crossref ID: 0751217
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2013-02-19 13:08:00
Record Updated: 2013-02-19 13:08:00
Updated By: mfmoore

Site Code: 478623
Control Name: Building Use Restriction
HW Code: C915273
Control Code: 26
Control Type: INST
Dt record added: 06/22/2015
Dt rec updated: 07/11/2017
Updated By: mfmoore
Site Code: 478623
Site Description: Location: The 500 Seneca Street Site is located in an urban, mixed-use, commercial and residential area within the City of Buffalo. The approximately 1.874 acre site encompasses an entire block bordered by Seneca Street to the south, Myrtle Street to the north, Hamburg Street to the east and Spring Street to the west. Site Features: The site is comprised of a 328,000 square foot multi-story building with a small open lot on the western site of the parcel. The

NEW ERA CAP CO (Continued) **S108982783**

building was constructed beginning in 1901 with various additions and expansions. An open-air courtyard exists in the eastern portion of the building. Current Zoning and Land Use: The site is currently vacant commercial property, and is zoned M-1, light industrial district. The building is listed in the National Registry of Historic Places. The future use of the site is intended for restricted residential and commercial. The nearest residential parcel is less than 500 feet to the north. Past Use of the Site: The site originally housed the F.N. Burt Company, which utilized the property for box manufacturing from original building construction in the early 1900's until 1959. Between approximately 1968 and 1980, Wolkind Bros, Inc., a clothing rental company, utilized the property. Between 1986 and 2004, the site was used for manufacturing, warehousing and shipping operations. The site has been largely vacant and underutilized since manufacturing operations ceased in 2004. Two underground storage tanks were removed from the open lot area in December 2007 under spill number 0751217. In addition to the tanks, approximately 45 tons of petroleum contaminated soil and 1,650 gallons of petroleum/water mixture was removed and disposed. Inaccessible petroleum impacted soil remained under a single story garage. The remaining impacts resulted in a closed-inactive status for the petroleum spill. Site Geology and Hydrology: The majority of the site is characterized by 6 inches of asphalt or concrete above 6 inches of gravel, with underlying fill soils comprised mostly of sand and brick from 4 to 4.5 feet below ground surface. Native soils are encountered about 4.5 feet below ground surface and generally consist of clayey silt with intermittent layers of silty sand and gravel. Bedrock consisting of Middle Devonian, Onondaga Shale was encountered about 13 feet below ground surface Groundwater is encountered from 5 to 9 feet below ground surface. However when excavated to bedrock, little infiltration was noted, indicative of a perched condition. The site is located approximately 0.8 miles northeast of the Buffalo River and local site groundwater flows west-northwest with the upper horizon influenced by urban infrastructure.

Env Problem:	Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were arsenic, semi-volatile organic compounds (SVOCs) from residual petroleum products and trichloroethene in soil. Remedial actions have successfully achieved soil cleanup objectives for restricted residential use. Residual contamination in the soil is being managed under a Site Management Plan.
Health Problem:	Measures are in place to prevent contact with remaining site contaminants.
Dump:	True
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	2013-02-13 11:23:00
Record Upd:	2015-12-01 13:23:00
Updated By:	mfmoore
Own Op:	Document Repository
Sub Type:	NNN

NEW ERA CAP CO (Continued) **S108982783**

Owner Name: Ms. Mary Jean Jakubowski
Owner Company: Buffalo & Erie County Public Library
Owner Address: 1 Lafayette Square
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14203
Owner Country: United States of America
Own Op: Owner
Sub Type: 07
Owner Name: David P. Franjoine
Owner Company: 500 Seneca Street, LLC
Owner Address: 26 Mississippi Street
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14204
Owner Country: United States of America
Own Op: Applicant/Requestor
Sub Type: P03
Owner Name: Sam Savarino
Owner Company: 500 Seneca Street, LLC
Owner Address: 95 Perry Street, Suite 104
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14203
Owner Country: United States of America
Own Op: On-Site Operator
Sub Type: 07
Owner Name: David P. Franjoine
Owner Company: 500 Seneca Street, LLC
Owner Address: 26 Mississippi Street
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14204
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Maurice Moore
Owner Company: New York State Department OF Environmental Conservation
Owner Address: 270 Michigan Avenue
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14203
Owner Country: United States of America
HW Code: C915273
Waste Type: TRICHLOROETHENE (TCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: CARBON TETRACHLORIDE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: TETRACHLOROETHYLENE (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: Petroleum Products
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: tetrachloroethene (PCE)
Waste Quantity: UNKNOWN

NEW ERA CAP CO (Continued) **S108982783**

Waste Code: Not reported
HW Code: C915273
Waste Type: PCB aroclor 1016
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: arsenic
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: arsenic
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: lead
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: lead
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: barium
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: barium
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: C915273-04-13
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 2015-11-24 15:46:00
Record Updated: 2015-11-24 15:46:00
Updated By: mfmoore
Crossref ID: 2015119160 BK/PG D11281/83
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2015-11-24 15:49:00
Record Updated: 2015-11-24 15:49:00
Updated By: mfmoore
Crossref ID: 06/07/2015
Cross Ref Type Code: 26
Cross Ref Type: Agreement/Consent Order Date
Record Added Date: 2015-11-24 15:47:00
Record Updated: 2015-11-24 15:47:00
Updated By: mfmoore
Crossref ID: 0751217
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2013-02-19 13:08:00
Record Updated: 2013-02-19 13:08:00
Updated By: mfmoore

Site Code: 478623
Control Name: O&M Plan
HW Code: C915273

NEW ERA CAP CO (Continued) **S108982783**

Control Code: 33
Control Type: INST
Dt record added: 06/22/2015
Dt rec updated: 07/11/2017
Updated By: mfmoore
Site Code: 478623
Site Description: Location: The 500 Seneca Street Site is located in an urban, mixed-use, commercial and residential area within the City of Buffalo. The approximately 1.874 acre site encompasses an entire block bordered by Seneca Street to the south, Myrtle Street to the north, Hamburg Street to the east and Spring Street to the west. Site Features: The site is comprised of a 328,000 square foot multi-story building with a small open lot on the western site of the parcel. The building was constructed beginning in 1901 with various additions and expansions. An open-air courtyard exists in the eastern portion of the building. Current Zoning and Land Use: The site is currently vacant commercial property, and is zoned M-1, light industrial district. The building is listed in the National Registry of Historic Places. The future use of the site is intended for restricted residential and commercial. The nearest residential parcel is less than 500 feet to the north. Past Use of the Site: The site originally housed the F.N. Burt Company, which utilized the property for box manufacturing from original building construction in the early 1900's until 1959. Between approximately 1968 and 1980, Wolkind Bros, Inc., a clothing rental company, utilized the property. Between 1986 and 2004, the site was used for manufacturing, warehousing and shipping operations. The site has been largely vacant and underutilized since manufacturing operations ceased in 2004. Two underground storage tanks were removed from the open lot area in December 2007 under spill number 0751217. In addition to the tanks, approximately 45 tons of petroleum contaminated soil and 1,650 gallons of petroleum/water mixture was removed and disposed. Inaccessible petroleum impacted soil remained under a single story garage. The remaining impacts resulted in a closed-inactive status for the petroleum spill. Site Geology and Hydrology: The majority of the site is characterized by 6 inches of asphalt or concrete above 6 inches of gravel, with underlying fill soils comprised mostly of sand and brick from 4 to 4.5 feet below ground surface. Native soils are encountered about 4.5 feet below ground surface and generally consist of clayey silt with intermittent layers of silty sand and gravel. Bedrock consisting of Middle Devonian, Onondaga Shale was encountered about 13 feet below ground surface Groundwater is encountered from 5 to 9 feet below ground surface. However when excavated to bedrock, little infiltration was noted, indicative of a perched condition. The site is located approximately 0.8 miles northeast of the Buffalo River and local site groundwater flows west-northwest with the upper horizon influenced by urban infrastructure.
Env Problem: Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were arsenic, semi-volatile organic compounds (SVOCs) from residual petroleum products and trichloroethene in soil. Remedial actions have successfully achieved soil cleanup objectives for restricted residential use. Residual contamination in the soil is being managed under a Site Management Plan.
Health Problem: Measures are in place to prevent contact with remaining site contaminants.
Dump: True

NEW ERA CAP CO (Continued) **S108982783**

Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 2013-02-13 11:23:00
Record Upd: 2015-12-01 13:23:00
Updated By: mfmoore
Own Op: Document Repository
Sub Type: NNN
Owner Name: Ms. Mary Jean Jakubowski
Owner Company: Buffalo & Erie County Public Library
Owner Address: 1 Lafayette Square
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14203
Owner Country: United States of America
Own Op: Owner
Sub Type: 07
Owner Name: David P. Franjoine
Owner Company: 500 Seneca Street, LLC
Owner Address: 26 Mississippi Street
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14204
Owner Country: United States of America
Own Op: Applicant/Requestor
Sub Type: P03
Owner Name: Sam Savarino
Owner Company: 500 Seneca Street, LLC
Owner Address: 95 Perry Street, Suite 104
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14203
Owner Country: United States of America
Own Op: On-Site Operator
Sub Type: 07
Owner Name: David P. Franjoine
Owner Company: 500 Seneca Street, LLC
Owner Address: 26 Mississippi Street
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14204
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Maurice Moore
Owner Company: New York State Department OF Environmental Conservation
Owner Address: 270 Michigan Avenue
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14203
Owner Country: United States of America
HW Code: C915273
Waste Type: TRICHLOROETHENE (TCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: CARBON TETRACHLORIDE

NEW ERA CAP CO (Continued) **S108982783**

Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: TETRACHLOROETHYLENE (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: Petroleum Products
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: tetrachloroethene (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: PCB aroclor 1016
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: arsenic
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: arsenic
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: lead
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: lead
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: barium
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915273
Waste Type: barium
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: C915273-04-13
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 2015-11-24 15:46:00
Record Updated: 2015-11-24 15:46:00
Updated By: mfmoore
Crossref ID: 2015119160 BK/PG D11281/83
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2015-11-24 15:49:00
Record Updated: 2015-11-24 15:49:00
Updated By: mfmoore
Crossref ID: 06/07/2015
Cross Ref Type Code: 26
Cross Ref Type: Agreement/Consent Order Date

NEW ERA CAP CO (Continued) **S108982783**

Record Added Date: 2015-11-24 15:47:00
Record Updated: 2015-11-24 15:47:00
Updated By: mfmoore
Crossref ID: 0751217
Cross Ref Type Code: 01
Cross Ref Type: Spill No.
Record Added Date: 2013-02-19 13:08:00
Record Updated: 2013-02-19 13:08:00
Updated By: mfmoore

BROWNFIELDS:
Program: BCP
Site Code: 478623
Acres: 1.874
HW Code: C915273
SWIS: 1502
Town: Buffalo (c)
Record Added Date: 02/05/2013
Record Updated Date: 02/07/2018
Update By: CRSTANIS
Site Description: Location: The 500 Seneca Street Site is located in an urban, mixed-use, commercial and residential area within the City of Buffalo. The approximately 1.874 acre site encompasses an entire block bordered by Seneca Street to the south, Myrtle Street to the north, Hamburg Street to the east and Spring Street to the west. Site Features: The site is comprised of a 328,000 square foot multi-story building with a small open lot on the western site of the parcel. The building was constructed beginning in 1901 with various additions and expansions. An open-air courtyard exists in the eastern portion of the building. Current Zoning and Land Use: The site is currently vacant commercial property, and is zoned M-1, light industrial district. The building is listed in the National Registry of Historic Places. The future use of the site is intended for restricted residential and commercial. The nearest residential parcel is less than 500 feet to the north. Past Use of the Site: The site originally housed the F.N. Burt Company, which utilized the property for box manufacturing from original building construction in the early 1900's until 1959. Between approximately 1968 and 1980, Wolkind Bros, Inc., a clothing rental company, utilized the property. Between 1986 and 2004, the site was used for manufacturing, warehousing and shipping operations. The site has been largely vacant and underutilized since manufacturing operations ceased in 2004. Two underground storage tanks were removed from the open lot area in December 2007 under spill number 0751217. In addition to the tanks, approximately 45 tons of petroleum contaminated soil and 1,650 gallons of petroleum/water mixture was removed and disposed. Inaccessible petroleum impacted soil remained under a single story garage. The remaining impacts resulted in a closed-inactive status for the petroleum spill. Site Geology and Hydrology: The majority of the site is characterized by 6 inches of asphalt or concrete above 6 inches of gravel, with underlying fill soils comprised mostly of sand and brick from 4 to 4.5 feet below ground surface. Native soils are encountered about 4.5 feet below ground surface and generally consist of clayey silt with intermittent layers of silty sand and gravel. Bedrock consisting of Middle Devonian, Onondaga Shale was encountered about 13 feet below ground surface Groundwater is encountered from 5 to 9 feet below ground surface. However when excavated to bedrock, little

NEW ERA CAP CO (Continued) **S108982783**

	infiltration was noted, indicative of a perched condition. The site is located approximately 0.8 miles northeast of the Buffalo River and local site groundwater flows west-northwest with the upper horizon influenced by urban infrastructure.
Env Problem:	Nature and Extent of Contamination: Remediation at the site is complete. Prior to remediation, the primary contaminants of concern were arsenic, semi-volatile organic compounds (SVOCs) from residual petroleum products and trichloroethene in soil. Remedial actions have successfully achieved soil cleanup objectives for restricted residential use. Residual contamination in the soil is being managed under a Site Management Plan.
Health Problem:	Measures are in place to prevent contact with remaining site contaminants.
Dump:	True
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	2013-02-13 11:23:00
Record Upd:	2015-12-01 13:23:00
Updated By:	mfmoore
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Ms. Mary Jean Jakubowski
Owner Company:	Buffalo & Erie County Public Library
Owner Address:	1 Lafayette Square
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14203
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	07
Owner Name:	David P. Franjoine
Owner Company:	500 Seneca Street, LLC
Owner Address:	26 Mississippi Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14204
Owner Country:	United States of America
Own Op:	Applicant/Requestor
Sub Type:	P03
Owner Name:	Sam Savarino
Owner Company:	500 Seneca Street, LLC
Owner Address:	95 Perry Street, Suite 104
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14203
Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	07
Owner Name:	David P. Franjoine
Owner Company:	500 Seneca Street, LLC
Owner Address:	26 Mississippi Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14204
Owner Country:	United States of America

NEW ERA CAP CO (Continued) **S108982783**

Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Maurice Moore
Owner Company:	New York State Department OF Environmental Conservation
Owner Address:	270 Michigan Avenue
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14203
Owner Country:	United States of America
HW Code:	C915273
Waste Type:	TRICHLOROETHENE (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915273
Waste Type:	CARBON TETRACHLORIDE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915273
Waste Type:	TETRACHLOROETHYLENE (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915273
Waste Type:	Petroleum Products
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915273
Waste Type:	tetrachloroethene (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915273
Waste Type:	PCB aroclor 1016
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915273
Waste Type:	arsenic
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915273
Waste Type:	arsenic
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915273
Waste Type:	lead
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915273
Waste Type:	lead
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915273
Waste Type:	barium
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915273
Waste Type:	barium
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	C915273-04-13

NEW ERA CAP CO (Continued) **S108982783**

Cross Ref Type Code:	23
Cross Ref Type:	Agreement/Consent Order Number
Record Added Date:	2015-11-24 15:46:00
Record Updated:	2015-11-24 15:46:00
Updated By:	mfmoore
Crossref ID:	2015119160 BK/PG D11281/83
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	2015-11-24 15:49:00
Record Updated:	2015-11-24 15:49:00
Updated By:	mfmoore
Crossref ID:	06/07/2015
Cross Ref Type Code:	26
Cross Ref Type:	Agreement/Consent Order Date
Record Added Date:	2015-11-24 15:47:00
Record Updated:	2015-11-24 15:47:00
Updated By:	mfmoore
Crossref ID:	0751217
Cross Ref Type Code:	01
Cross Ref Type:	Spill No.
Record Added Date:	2013-02-19 13:08:00
Record Updated:	2013-02-19 13:08:00
Updated By:	mfmoore

SPILLS:

Facility ID:	0751217
Facility Type:	ER
Spill Number:	0751217
DER Facility ID:	340630
Site ID:	391014
DEC Region:	9
Closed Date:	2010-08-19
Spill Cause:	Equipment Failure
Spill Class:	C3
SWIS:	1502
Spill Date:	2007-12-13
Investigator:	jfotto
Referred To:	Not reported
Reported to Dept:	2007-12-13
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	2007-12-13
Recommended Penalty:	False
UST Trust:	Not reported
Remediation Phase:	0
Date Entered In Computer:	2007-12-13
Spill Record Last Update:	2015-06-23
Spiller Name:	Not reported
Spiller Company:	NEW ERA CAP CO
Spiller Address:	500 SENECA
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"12/13/07 JFO ON SITE MET WITH SCOTT OVERHOFF. 1 500 GALLON TANK OUT

NEW ERA CAP CO (Continued) **S108982783**

OF THE GROUND. THEY ARE UNABLE TO DIG TO CLEAN BECAUSE THE CONTAM GOES UNDER THE BUILDING. THEY COLLECTED 5 SAMPLES. THEY WILL BEGIN THE OTHER TANK REMOVAL. 12/14/07 JFO CALL FROM SCOTT O. THEY REMOVED THE 2000 GALLON UNDERGROUND TANK AND FOUND NO CONTAMINATION. HE COLLETED A SAMPLE FROM THE BOTTOM OF THE PIT. 03/24/08 JFO REC'D THE CLOSURE REPORT. THE 500 GALLON TANK PIT EAST WALL SAMPLE BOTTOM SAMPLE BENZENE 11,700 PPB AND XYLENE 2,979 PPB BENZENE 3,320 PPB 05/26/08 JFO CALL TO SCOTT OVERHOFF. HE WILL CONTACT THE OWNER TO DISCUSS AND GET BACK TO ME. 01/22/09 JFO CALL TO MARK HANNA WITH HEI. HE WILL CONTACT NEW ERA TO INFORM THEM MORE WORK IS NECESSARY. 01/30/09 JFO SENT LETTER TO MARK HANNA REQUESTING A WORK PLAN AND SCHEDULE BY MARCH 27, 2009. CC TO MICHAEL MURPHY ESQ WITH PHILLIPS LYTLE LLP. 03/25/09 JFO CALL FROM MARK HANNA. HE NEEDS AN EXTENSION FOR THE WORK PLAN. HE WILL SUBMIT BY MAY 1, 2009. 12/22/09 JFO RECEIVED A MESSAGE FROM CRAIG SLATER RE: STATUS. 12/23/09 JFO RETURNED MR SLATER'S CALL. HE WON'T BE IN THE OFFICE UNTIL TUESDAY DEC 29. I WILL CALL HIM BACK THEN. WE WILL NEED TO SEE SOIL PROBE RESULTS FROM NOV 07. 12/29/09 JFO CALL TO CRAIG S. LEFT A MSG ON HIS V-MAIL. 07/29/10 JFO DISCUSSED SAMPLE RESULTS WITH FG AND AGREED THE SITE CAN BE INACTIVE. NO FURTHER ACTION REQUIRED AT THIS TIME. INACTIVE LETTER ATTACHED CLOSED 06/23/15 MFM - Remaining impacted soils removed under Brownfield Cleanup Program C915273. 1,316 ton to WM Chaffee Landfill 11/17-25/2014. Post-excavation samples below 6NYCRR Part 375-6.8(b)restricted residential soil cleanup objectives. Backfill with approved material site currently paved."

Remarks: "WHILE REMOVING 2 UNDERGROUND TANKS CONTAMINATION WAS DISCOVERED."

All Materials:

Site ID:	391014
Operable Unit ID:	1148091
Operable Unit:	01
Material ID:	2138569
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

K39 **LCO BUILDING** **NY UST** **U004047392**
East **726 EXCHANGE ST** **N/A**
1/8-1/4 **BUFFALO, NY 14203**
0.185 mi.
979 ft. **Site 1 of 2 in cluster K**

Relative: **Higher**
Actual: **596 ft.**

UST:

Id/Status:	9-600689 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	9
Expiration Date:	N/A
UTM X:	185566.49721
UTM Y:	4754097.96847
Site Type:	Other

LCO BUILDING (Continued) **U004047392**

Affiliation Records:

Site Id:	336684
Affiliation Type:	Facility Owner
Company Name:	WITTBURN ENTERPRISES
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	36 CYPRESS ST
Address2:	Not reported
City:	BUFFALO
State:	NY
Zip Code:	14203
Country Code:	001
Phone:	(716) 818-4036
EMail:	Not reported
Fax Number:	Not reported
Modified By:	AESKALSK
Date Last Modified:	2005-01-25

Site Id:	336684
Affiliation Type:	Mail Contact
Company Name:	WITTBURN ENTERPRISES
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	36 CYPRESS ST
Address2:	PO BOX 1122
City:	BUFFALO
State:	NY
Zip Code:	14203
Country Code:	001
Phone:	(716) 818-4036
EMail:	Not reported
Fax Number:	Not reported
Modified By:	AESKALSK
Date Last Modified:	2005-01-25

Site Id:	336684
Affiliation Type:	Facility Operator
Company Name:	LCO BUILDING
Contact Type:	Not reported
Contact Name:	WITTBURN ENTERPRISES
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(716) 818-4036
EMail:	Not reported
Fax Number:	Not reported
Modified By:	AESKALSK
Date Last Modified:	2005-01-25

Site Id:	336684
Affiliation Type:	Emergency Contact
Company Name:	WITTBURN ENTERPRISES
Contact Type:	Not reported
Contact Name:	WITTBURN ENTERPRISES

LCO BUILDING (Continued) **U004047392**

Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(716) 818-4036
EMail:	Not reported
Fax Number:	Not reported
Modified By:	AESKALSK
Date Last Modified:	2005-01-25

Tank Info:

Tank Number:	1
Tank ID:	181573
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	20000
Install Date:	Not reported
Date Tank Closed:	09/01/2004
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	AESKALSK
Last Modified:	04/14/2017

Equipment Records:

L00 - Piping Leak Detection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
K00 - Spill Prevention - None
C02 - Pipe Location - Underground/On-ground
G00 - Tank Secondary Containment - None
J00 - Dispenser - None

K40 **LCO BUILDING LLC** **NY LTANKS** **S106702622**
East **726 EXCHANGE ST.** **NY TANKS** **N/A**
1/8-1/4 **BUFFALO, NY 14210**
0.185 mi.
979 ft. **Site 2 of 2 in cluster K**

Relative: **Higher**

Actual: **596 ft.**

LTANKS:

Facility ID:	0475260
Site ID:	253016
Closed Date:	2005-04-04
Spill Number:	0475260
Spill Date:	2004-08-25
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	1502
Investigator:	JFOTTO
Referred To:	Not reported
Reported to Dept:	2004-08-25
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	2004-10-21
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2004-08-25
Spill Record Last Update:	2005-04-04
Spiller Name:	WILLIAM JONES CELL PH
Spiller Company:	L C O BUILDING
Spiller Address:	726 EXCHANGE ST SUITE 600
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	207267
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was JFO 08/25/04 JFO ON SITE NO ONE AVAILABLE. THE WEST END OF THE TANK IS UNCOVERED. THERE IS WATER WITH PRODUCT IN THE EXCAV. I WILL CONTACT MR WILLEY TOMORROW MORNING. 08/26/04 JFO CALL TO GREG WILLEY. I LEFT A MESSAGE ON HIS MACHINE. 08/26/04 JFO ON SITE MET WITH OWNER BILL JONES AND BILL HITZENRATER. THE TANK IS STILL IN THE GROUND. THERE ARE SEVERAL INCHES OF WATER AROUND THE TANK. THEY HAVE A BAKER TANK ON SITE AND WILL PUMP OUT THE EXCAVATION. THEY WILL DIG OUT THE TANK AND CALL FOR AN INSPECTION. 08/27/04 JFO CALL FROM MIKE WITH MAPLE TREE. THEY ARE PUMPING OUT THE WATER. THEY WILL THEM REMOVE THE 2' CONCRETE PAD ON THE TOP OF THE TANK. THE TANK WILL BE CLEANED AND THEN REMOVED. THEY WILL BE READY FOR AN INSPECTION ON TUESDAY. THEY WILL CALL. TREATMENT LETTER SENT. 09/01/04 JFO ON SITE MET WITH MIKE FROM MAPLE TREE. THE EXCAVATION LOOKS CLEAN WITH NO ODORS. THEY WILL SAMPLE SIDEWALLS AND BOTTOM AND ANALYZE FOR 8260 AND 8270. RESULTS AND RECEIPTS TO FOLLOW. 10/21/04 JFO CALL FROM BILL HITZENRATER THE CONTRACTOR. THEY WERE DIGGING IN THE SOUTHWEST CORNER OF THE BUILDING AND DISCOVERED CONTAMINATED SOIL AT ABOUT 3' BGS. THEY HAVE AN OK FROM THE LANDFILL AND THEY WILL DIG AND HAUL. THEY WILL CALL WHEN CLEAN FOR AN INSPECTION. 02/01/05 JFO RECEIVED THE CLOSURE REPORT.

LCO BUILDING LLC (Continued) **S106702622**

THE FIRST EXCAVATION SAMPLE RESULTS ARE <TAGMS. THE SECOND EXCAVAVATION SAMPLE RESULTS ARE <TAGMS FOR 8270(PROJECT #R1003 BUT THEY ANALYZED FOR THE FULL 8260B. NEED 8260 STARS. I WILL CONTACT MR HITZENRATER. 02/28/05 JFO NOTIFIED BILL HEITZENFATER OF THE PROBLEM. HE MUST RESAMPLE. 03/04/05 FG REC'D ANOTHER CLOSURE PACKET. STILL NEED 8260 STARS COMPOUNDS. 03/23/05 JFO CALL TO AFI FOR SAMPLE RESULTS. BILL H NOT IN LEFT A MESSAGE FOR HIM TO CALL. 03/28/05 JFO CALL TO AFI FOR SAMPLE RESULTS. BILL H NOT IN LEFT A MESSAGE FOR HIM TO CALL. 03/30/05 JFO CALL TO BILL JONES OF LCO REGARDING THE SAMPLE RESULTS. HE WILL CONTACT BILL HEITZENRATER FOR THE RE-SAMPLING. 04/04/05 JFO REC'D THE 8260 RESULTS FOR THE SECOND EXCAVATION. THE RESULTS ARE BELOW TAGMS. NO FURTHER ACTION REQUIRED. CLOSURE LETTER ATTACHED CLOSED "

Remarks: "CALLER SAID THAT THEY HAVE ENCOUNTERED PETROLEUM CONTAMINATED SOIL AND GROUNDWATER,WHILE REMOVING A 20,000 GAL # 6 FUEL OIL TANK...THEY HAVE BEEN HIRED BY PROPERTY OWNER TO REMEIDATE"

All Materials:

Site ID:	253016
Operable Unit ID:	891671
Operable Unit:	01
Material ID:	486246
Material Code:	0003A
Material Name:	#6 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

TANKS:

Facility Id:	9-601401
Region:	STATE
DEC Region:	9
Site Status:	Active
Program Type:	PBS
Expiration Date:	09/19/2019
UTM X:	185566.49720
UTM Y:	4754097.96846

I41 **GRAPHIC CONTROLS** **US BROWNFIELDS** **1010378398**
NW **487-503 & 541-543 SENECA ST AND 479 & 489 ALABAMA ST; 400, 4** **N/A**
1/8-1/4 **BUFFALO, NY 14024**
0.194 mi.
1025 ft. **Site 6 of 6 in cluster I**

Relative: **Lower**

Actual: **587 ft.**

US BROWNFIELDS:

Property Name:	GRAPHIC CONTROLS
Recipient Name:	Buffalo, City of
Grant Type:	Assessment
Property Number:	Not reported
Parcel size:	0
Latitude:	42.877186
Longitude:	-78.858107
HCM Label:	Not reported
Map Scale:	Not reported

GRAPHIC CONTROLS (Continued) **1010378398**

Point of Reference:	Not reported
Highlights:	Not reported
Datum:	World Geodetic System of 1984
Acres Property ID:	28102
IC Data Access:	Not reported
Start Date:	12/15/1998 00:00:00
Redev Completition Date:	Not reported
Completed Date:	09/26/2003 00:00:00
Acres Cleaned Up:	Not reported
Cleanup Funding:	80000
Cleanup Funding Source:	Local Funding
Assessment Funding:	1300
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	10
Redev. Funding Source:	State/Tribal Funding (non-section 128(a))
Redev. Funding Entity Name:	NY tax break
Redevelopment Start Date:	05/05/1999 00:00:00
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Buffalo
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	99242201
Start Date:	11/05/1997 00:00:00
Ownership Entity:	Private
Completion Date:	03/28/2008 00:00:00
Current Owner:	Not reported
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	Not reported
Photo Available:	Y
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Y
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Y
Other metals found:	Not reported

GRAPHIC CONTROLS (Continued) **1010378398**

Other metals cleaned:	Not reported
Other contaminants found:	Y
Other contams found description:	various hazardous drums
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Y
PCBs cleaned up:	Y
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Y
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	various hazardous drums
Num. of cleanup and re-dev. jobs:	413
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	5
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported

GRAPHIC CONTROLS (Continued) **1010378398**

Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	1391
Below Poverty Percent:	43.6%
Meidan Income:	6631
Meidan Income Number:	2258
Meidan Income Percent:	70.7%
Vacant Housing Number:	302
Vacant Housing Percent:	15.1%
Unemployed Number:	214
Unemployed Percent:	6.7%

Property Name:	GRAPHIC CONTROLS
Recipient Name:	Buffalo, City of
Grant Type:	Assessment
Property Number:	Not reported
Parcel size:	0
Latitude:	42.877186
Longitude:	-78.858107
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	World Geodetic System of 1984
Acres Property ID:	28102
IC Data Access:	Not reported
Start Date:	12/15/1998 00:00:00
Redev Completition Date:	Not reported
Completed Date:	09/26/2003 00:00:00
Acres Cleaned Up:	Not reported
Cleanup Funding:	80000
Cleanup Funding Source:	Local Funding
Assessment Funding:	28000
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	16000000
Redev. Funding Source:	Private/Other Funding
Redev. Funding Entity Name:	Graphic Controls Corp
Redevelopment Start Date:	05/05/1999 00:00:00
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Buffalo
Grant Type:	N/A
Accomplishment Type:	Supplemental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	99242201
Start Date:	10/26/2001 00:00:00
Ownership Entity:	Private
Completion Date:	01/25/2002 00:00:00
Current Owner:	Not reported
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	Not reported
Photo Available:	Y
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported

GRAPHIC CONTROLS (Continued) **1010378398**

IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Y
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Y
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Y
Other contams found description:	various hazardous drums
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Y
PCBs cleaned up:	Y
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Y
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	various hazardous drums
Num. of cleanup and re-dev. jobs:	413
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	5
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported

GRAPHIC CONTROLS (Continued) **1010378398**

mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	1391
Below Poverty Percent:	43.6%
Meidan Income:	6631
Meidan Income Number:	2258
Meidan Income Percent:	70.7%
Vacant Housing Number:	302
Vacant Housing Percent:	15.1%
Unemployed Number:	214
Unemployed Percent:	6.7%

Property Name:	GRAPHIC CONTROLS
Recipient Name:	Buffalo, City of
Grant Type:	Assessment
Property Number:	Not reported
Parcel size:	0
Latitude:	42.877186
Longitude:	-78.858107
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	World Geodetic System of 1984
Acres Property ID:	28102
IC Data Access:	Not reported
Start Date:	12/15/1998 00:00:00
Redev Completition Date:	Not reported
Completed Date:	09/26/2003 00:00:00
Acres Cleaned Up:	Not reported
Cleanup Funding:	80000
Cleanup Funding Source:	Local Funding

GRAPHIC CONTROLS (Continued) **1010378398**

Assessment Funding:	20000
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	10
Redev. Funding Source:	State/Tribal Funding (non-section 128(a))
Redev. Funding Entity Name:	NY tax break
Redevelopment Start Date:	05/05/1999 00:00:00
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Buffalo
Grant Type:	N/A
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	99242201
Start Date:	04/01/1999 00:00:00
Ownership Entity:	Private
Completion Date:	09/14/2001 00:00:00
Current Owner:	Not reported
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	Not reported
Photo Available:	Y
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Y
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Y
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Y
Other contams found description:	various hazardous drums
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Y
PCBs cleaned up:	Y
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported

GRAPHIC CONTROLS (Continued) **1010378398**

Soil affected:	Y
Soil cleaned up:	Y
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	various hazardous drums
Num. of cleanup and re-dev. jobs:	413
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	5
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	1391
Below Poverty Percent:	43.6%
Meidan Income:	6631
Meidan Income Number:	2258
Meidan Income Percent:	70.7%
Vacant Housing Number:	302
Vacant Housing Percent:	15.1%

GRAPHIC CONTROLS (Continued) **1010378398**

Unemployed Number:	214
Unemployed Percent:	6.7%
Property Name:	GRAPHIC CONTROLS
Recipient Name:	Buffalo, City of
Grant Type:	Assessment
Property Number:	Not reported
Parcel size:	0
Latitude:	42.877186
Longitude:	-78.858107
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	World Geodetic System of 1984
Acres Property ID:	28102
IC Data Access:	Not reported
Start Date:	12/15/1998 00:00:00
Redev Completition Date:	Not reported
Completed Date:	09/26/2003 00:00:00
Acres Cleaned Up:	Not reported
Cleanup Funding:	80000
Cleanup Funding Source:	Local Funding
Assessment Funding:	6440
Assessment Funding Source:	Local Funding
Redevelopment Funding:	10
Redev. Funding Source:	State/Tribal Funding (non-section 128(a))
Redev. Funding Entity Name:	NY tax break
Redevelopment Start Date:	05/05/1999 00:00:00
Assessment Funding Entity:	Buffalo
Cleanup Funding Entity:	Buffalo
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	99242201
Start Date:	11/05/1997 00:00:00
Ownership Entity:	Private
Completion Date:	03/28/2008 00:00:00
Current Owner:	Not reported
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	Not reported
Photo Available:	Y
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Y

GRAPHIC CONTROLS (Continued) **1010378398**

Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Y
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Y
Other contams found description:	various hazardous drums
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Y
PCBs cleaned up:	Y
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Y
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	various hazardous drums
Num. of cleanup and re-dev. jobs:	413
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	5
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported

GRAPHIC CONTROLS (Continued) **1010378398**

Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	1391
Below Poverty Percent:	43.6%
Meidan Income:	6631
Meidan Income Number:	2258
Meidan Income Percent:	70.7%
Vacant Housing Number:	302
Vacant Housing Percent:	15.1%
Unemployed Number:	214
Unemployed Percent:	6.7%

Property Name:	GRAPHIC CONTROLS
Recipient Name:	Buffalo, City of
Grant Type:	Assessment
Property Number:	Not reported
Parcel size:	0
Latitude:	42.877186
Longitude:	-78.858107
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	World Geodetic System of 1984
Acres Property ID:	28102
IC Data Access:	Not reported
Start Date:	12/15/1998 00:00:00
Redev Completition Date:	Not reported
Completed Date:	09/26/2003 00:00:00
Acres Cleaned Up:	Not reported
Cleanup Funding:	80000
Cleanup Funding Source:	Local Funding
Assessment Funding:	6440
Assessment Funding Source:	Local Funding
Redevelopment Funding:	16000000
Redev. Funding Source:	Private/Other Funding
Redev. Funding Entity Name:	Graphic Controls Corp
Redevelopment Start Date:	05/05/1999 00:00:00
Assessment Funding Entity:	Buffalo
Cleanup Funding Entity:	Buffalo
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	0

GRAPHIC CONTROLS (Continued) **1010378398**

Cooperative Agreement Number:	99242201
Start Date:	11/05/1997 00:00:00
Ownership Entity:	Private
Completion Date:	03/28/2008 00:00:00
Current Owner:	Not reported
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	Not reported
Photo Available:	Y
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Y
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Y
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Y
Other contams found description:	various hazardous drums
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Y
PCBs cleaned up:	Y
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Y
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	various hazardous drums
Num. of cleanup and re-dev. jobs:	413
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported

GRAPHIC CONTROLS (Continued) **1010378398**

Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	5
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	1391
Below Poverty Percent:	43.6%
Meidan Income:	6631
Meidan Income Number:	2258
Meidan Income Percent:	70.7%
Vacant Housing Number:	302
Vacant Housing Percent:	15.1%
Unemployed Number:	214
Unemployed Percent:	6.7%

Property Name:	GRAPHIC CONTROLS
Recipient Name:	Buffalo, City of
Grant Type:	Assessment
Property Number:	Not reported
Parcel size:	0
Latitude:	42.877186
Longitude:	-78.858107
HCM Label:	Not reported

GRAPHIC CONTROLS (Continued) **1010378398**

Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	World Geodetic System of 1984
Acres Property ID:	28102
IC Data Access:	Not reported
Start Date:	12/15/1998 00:00:00
Redev Completition Date:	Not reported
Completed Date:	09/26/2003 00:00:00
Acres Cleaned Up:	Not reported
Cleanup Funding:	80000
Cleanup Funding Source:	Local Funding
Assessment Funding:	1300
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	16000000
Redev. Funding Source:	Private/Other Funding
Redev. Funding Entity Name:	Graphic Controls Corp
Redevelopment Start Date:	05/05/1999 00:00:00
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Buffalo
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	99242201
Start Date:	11/05/1997 00:00:00
Ownership Entity:	Private
Completion Date:	03/28/2008 00:00:00
Current Owner:	Not reported
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	Not reported
Photo Available:	Y
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Y
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Y

GRAPHIC CONTROLS (Continued) **1010378398**

Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Y
Other contams found description:	various hazardous drums
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Y
PCBs cleaned up:	Y
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Y
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	various hazardous drums
Num. of cleanup and re-dev. jobs:	413
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	5
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported

GRAPHIC CONTROLS (Continued) **1010378398**

Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	1391
Below Poverty Percent:	43.6%
Meidan Income:	6631
Meidan Income Number:	2258
Meidan Income Percent:	70.7%
Vacant Housing Number:	302
Vacant Housing Percent:	15.1%
Unemployed Number:	214
Unemployed Percent:	6.7%

Property Name:	GRAPHIC CONTROLS
Recipient Name:	Buffalo, City of
Grant Type:	Assessment
Property Number:	Not reported
Parcel size:	0
Latitude:	42.877186
Longitude:	-78.858107
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	World Geodetic System of 1984
Acres Property ID:	28102
IC Data Access:	Not reported
Start Date:	12/15/1998 00:00:00
Redev Completition Date:	Not reported
Completed Date:	09/26/2003 00:00:00
Acres Cleaned Up:	Not reported
Cleanup Funding:	80000
Cleanup Funding Source:	Local Funding
Assessment Funding:	28000
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	10
Redev. Funding Source:	State/Tribal Funding (non-section 128(a))
Redev. Funding Entity Name:	NY tax break
Redevelopment Start Date:	05/05/1999 00:00:00
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Buffalo
Grant Type:	N/A
Accomplishment Type:	Supplemental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	99242201
Start Date:	10/26/2001 00:00:00
Ownership Entity:	Private
Completion Date:	01/25/2002 00:00:00
Current Owner:	Not reported
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	Not reported
Photo Available:	Y
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported

GRAPHIC CONTROLS (Continued) **1010378398**

IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Y
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Y
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Y
Other contams found description:	various hazardous drums
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Y
PCBs cleaned up:	Y
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Y
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	various hazardous drums
Num. of cleanup and re-dev. jobs:	413
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	5
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported

GRAPHIC CONTROLS (Continued) **1010378398**

Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	1391
Below Poverty Percent:	43.6%
Meidan Income:	6631
Meidan Income Number:	2258
Meidan Income Percent:	70.7%
Vacant Housing Number:	302
Vacant Housing Percent:	15.1%
Unemployed Number:	214
Unemployed Percent:	6.7%

Property Name:	GRAPHIC CONTROLS
Recipient Name:	Buffalo, City of
Grant Type:	Assessment
Property Number:	Not reported
Parcel size:	0
Latitude:	42.877186
Longitude:	-78.858107
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	World Geodetic System of 1984
Acres Property ID:	28102
IC Data Access:	Not reported
Start Date:	12/15/1998 00:00:00
Redev Completition Date:	Not reported
Completed Date:	09/26/2003 00:00:00
Acres Cleaned Up:	Not reported
Cleanup Funding:	80000

GRAPHIC CONTROLS (Continued) **1010378398**

Cleanup Funding Source:	Local Funding
Assessment Funding:	111860
Assessment Funding Source:	Local Funding
Redevelopment Funding:	16000000
Redev. Funding Source:	Private/Other Funding
Redev. Funding Entity Name:	Graphic Controls Corp
Redevelopment Start Date:	05/05/1999 00:00:00
Assessment Funding Entity:	Buffalo
Cleanup Funding Entity:	Buffalo
Grant Type:	N/A
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	99242201
Start Date:	04/01/1999 00:00:00
Ownership Entity:	Private
Completion Date:	09/14/2001 00:00:00
Current Owner:	Not reported
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	Not reported
Photo Available:	Y
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Y
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Y
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Y
Other contams found description:	various hazardous drums
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Y
PCBs cleaned up:	Y
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported

GRAPHIC CONTROLS (Continued) **1010378398**

Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Y
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	various hazardous drums
Num. of cleanup and re-dev. jobs:	413
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	5
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	1391
Below Poverty Percent:	43.6%
Meidan Income:	6631
Meidan Income Number:	2258
Meidan Income Percent:	70.7%
Vacant Housing Number:	302

GRAPHIC CONTROLS (Continued) **1010378398**

Vacant Housing Percent:	15.1%
Unemployed Number:	214
Unemployed Percent:	6.7%
Property Name:	GRAPHIC CONTROLS
Recipient Name:	Buffalo, City of
Grant Type:	Assessment
Property Number:	Not reported
Parcel size:	0
Latitude:	42.877186
Longitude:	-78.858107
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	World Geodetic System of 1984
Acres Property ID:	28102
IC Data Access:	Not reported
Start Date:	12/15/1998 00:00:00
Redev Completition Date:	Not reported
Completed Date:	09/26/2003 00:00:00
Acres Cleaned Up:	Not reported
Cleanup Funding:	80000
Cleanup Funding Source:	Local Funding
Assessment Funding:	111860
Assessment Funding Source:	Local Funding
Redevelopment Funding:	10
Redev. Funding Source:	State/Tribal Funding (non-section 128(a))
Redev. Funding Entity Name:	NY tax break
Redevelopment Start Date:	05/05/1999 00:00:00
Assessment Funding Entity:	Buffalo
Cleanup Funding Entity:	Buffalo
Grant Type:	N/A
Accomplishment Type:	Phase II Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	99242201
Start Date:	04/01/1999 00:00:00
Ownership Entity:	Private
Completion Date:	09/14/2001 00:00:00
Current Owner:	Not reported
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	Not reported
Photo Available:	Y
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y

GRAPHIC CONTROLS (Continued) **1010378398**

Asbestos cleaned:	Y
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Y
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Y
Other contams found description:	various hazardous drums
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Y
PCBs cleaned up:	Y
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Y
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	various hazardous drums
Num. of cleanup and re-dev. jobs:	413
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	5
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported

GRAPHIC CONTROLS (Continued) **1010378398**

Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	1391
Below Poverty Percent:	43.6%
Meidan Income:	6631
Meidan Income Number:	2258
Meidan Income Percent:	70.7%
Vacant Housing Number:	302
Vacant Housing Percent:	15.1%
Unemployed Number:	214
Unemployed Percent:	6.7%

Property Name:	GRAPHIC CONTROLS
Recipient Name:	Buffalo, City of
Grant Type:	Assessment
Property Number:	Not reported
Parcel size:	0
Latitude:	42.877186
Longitude:	-78.858107
HCM Label:	Not reported
Map Scale:	Not reported
Point of Reference:	Not reported
Highlights:	Not reported
Datum:	World Geodetic System of 1984
Acres Property ID:	28102
IC Data Access:	Not reported
Start Date:	12/15/1998 00:00:00
Redev Completition Date:	Not reported
Completed Date:	09/26/2003 00:00:00
Acres Cleaned Up:	Not reported
Cleanup Funding:	80000
Cleanup Funding Source:	Local Funding
Assessment Funding:	20000
Assessment Funding Source:	US EPA - Brownfields Assessment Cooperative Agreement
Redevelopment Funding:	16000000
Redev. Funding Source:	Private/Other Funding
Redev. Funding Entity Name:	Graphic Controls Corp
Redevelopment Start Date:	05/05/1999 00:00:00
Assessment Funding Entity:	EPA
Cleanup Funding Entity:	Buffalo
Grant Type:	N/A
Accomplishment Type:	Phase II Environmental Assessment

GRAPHIC CONTROLS (Continued) **1010378398**

Accomplishment Count:	0
Cooperative Agreement Number:	99242201
Start Date:	04/01/1999 00:00:00
Ownership Entity:	Private
Completion Date:	09/14/2001 00:00:00
Current Owner:	Not reported
Did Owner Change:	N
Cleanup Required:	Y
Video Available:	Not reported
Photo Available:	Y
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Y
Asbestos cleaned:	Y
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Y
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Y
Other contams found description:	various hazardous drums
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Y
PCBs cleaned up:	Y
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Y
Soil cleaned up:	Y
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	various hazardous drums
Num. of cleanup and re-dev. jobs:	413
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported

GRAPHIC CONTROLS (Continued) **1010378398**

Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	5
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported
Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	Not reported
Below Poverty Number:	1391
Below Poverty Percent:	43.6%
Meidan Income:	6631
Meidan Income Number:	2258
Meidan Income Percent:	70.7%
Vacant Housing Number:	302
Vacant Housing Percent:	15.1%
Unemployed Number:	214
Unemployed Percent:	6.7%

Click this hyperlink while viewing on your computer to access additional US BROWNFIELDS: detail in the EDR Site Report.

J42 **BUFFALO FIRE HOUSE #32** **NY LTANKS** **S104278806**
ENE **SENECA AND SWAN STREETS** **N/A**
1/8-1/4 **BUFFALO, NY**
0.201 mi.
1060 ft. **Site 2 of 5 in cluster J**

Relative:
Higher

Actual:
589 ft.

LTANKS:

Facility ID:	9910189
Site ID:	202626
Closed Date:	1999-11-23
Spill Number:	9910189
Spill Date:	1999-11-22
Spill Cause:	Tank Test Failure
Spill Source:	Commercial/Industrial
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	1502
Investigator:	FXGALLEG
Referred To:	Not reported
Reported to Dept:	1999-11-22
CID:	389
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	1999-11-22
Spill Record Last Update:	2000-01-05
Spiller Name:	DANIEL CULKMAN
Spiller Company:	BUFFALO FIRE DEPARTMENT
Spiller Address:	CITY HALL
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	168556
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was FG 11/23/99 THIS IS A DUPLICATE OF SPILL 9910197 AND 9910703. PLEASE REFER TO 9910197 AND 9910703 FOR ALL FUTURE INFORMATION. CLOSEOUT THIS SPILL"
Remarks:	"CALLER REPORTING A FAILED TANK TEST FROM A TANK NO RELEASE TO THE ENVIRONMENT TANK WAS NOT NOT PUMPED DRY WILL BE REMOVING THE TANK TO REPLACE NO CALLBACK NECESSARY"

All TTF:

Facility ID:	9910189
Spill Number:	9910189
Spill Tank Test:	1547861
Site ID:	202626
Tank Number:	Not reported
Tank Size:	500
Material:	0008
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	20

BUFFALO FIRE HOUSE #32 (Continued) **S104278806**

Test Method 2: USTest 2000/P/LL plus USTest 2000/U
Leak Rate: .00
Gross Fail: F
Modified By: Spills
Last Modified Date: Not reported

All Materials:
Site ID: 202626
Operable Unit ID: 1084957
Operable Unit: 01
Material ID: 295688
Material Code: 0008
Material Name: diesel
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

J43 **DORMITORY AUTHORITY OF THE STATE OF NEW YORK DASNY** **RCRA NonGen / NLR** **1000556816**
ENE **SWAN ST & SENECA ST** **NYD986993954**
1/8-1/4 **BUFFALO, NY 14203**
0.209 mi.
1102 ft. **Site 3 of 5 in cluster J**

Relative:
Higher

Actual:
589 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: DORMITORY AUTHORITY OF THE STATE OF NEW YORK DASNY
Facility address: SWAN ST & SENECA ST
BUFFALO, NY 14203
EPA ID: NYD986993954
Mailing address: WINSPEAR
BUFFALO, NY 14214
Contact: Not reported
Contact address: WINSPEAR
BUFFALO, NY 14214
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: DORMITORY AUTHORITY STATE OF NEW YORK
Owner/operator address: 1530 JEFFERSON RD
ROCHESTER, NY 14623
Owner/operator country: US
Owner/operator telephone: 716-427-7430
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: State
Owner/Operator Type: Operator
Owner/Op start date: Not reported

DORMITORY AUTHORITY OF THE STATE OF NEW YORK DASNY (Continued) **1000556816**

Owner/Op end date: Not reported

Owner/operator name: DORMITORY AUTHORITY STATE OF NEW YORK
Owner/operator address: 1530 JEFFERSON RD
ROCHESTER, NY 14623
Owner/operator country: US
Owner/operator telephone: 716-427-7430
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: State
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: DORMITORY AUTHORITY STATE OF NEW YORK
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Site name: DORMITORY AUTHORITY STATE OF NEW YORK
Classification: Not a generator, verified

Date form received by agency: 07/02/1992
Site name: DORMITORY AUTHORITY STATE OF NEW YORK
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

J44 **NEW YORK STATE DORMITORY AUTHORITY** **NY MANIFEST** **S119072222**
ENE **SWAN & SENECA ST** **N/A**
1/8-1/4 **BUFFALO, NY 14203**
0.209 mi.
1102 ft. **Site 4 of 5 in cluster J**

Relative:
Higher

Actual:
589 ft.

NY MANIFEST:

Country:	USA
EPA ID:	NYD986993954
Facility Status:	Not reported
Location Address 1:	S.DIVISION & ELM ST
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BUFFALO
Location State:	NY
Location Zip:	14214
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD986993954
Mailing Name:	NEW YORK STATE DORMITORY AUTHORITY
Mailing Contact:	OWEN BYRNE II
Mailing Address 1:	250 WINSPEAR STREET
Mailing Address 2:	Not reported
Mailing City:	BUFFALO
Mailing State:	NY
Mailing Zip:	14214
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	7168529723

J45 **BUFFALO FIRE HOUSE #32** **NY LTANKS** **S104284610**
ENE **SENECA AND SWAN STREETS** **NY Spills** **N/A**
1/8-1/4 **BUFFALO, NY**
0.209 mi.
1102 ft. **Site 5 of 5 in cluster J**

Relative:
Higher

Actual:
589 ft.

LTANKS:

Facility ID:	9910197
Site ID:	202627
Closed Date:	2000-01-05
Spill Number:	9910197
Spill Date:	1999-11-23
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	1502
Investigator:	FXGALLEG
Referred To:	Not reported
Reported to Dept:	1999-11-23
CID:	390
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	2000-01-05
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	True

BUFFALO FIRE HOUSE #32 (Continued) **S104284610**

Remediation Phase:	0
Date Entered In Computer:	1999-11-23
Spill Record Last Update:	2000-08-11
Spiller Name:	DANIEL CULKMAN
Spiller Company:	BUFFALO FIRE DEPARTMENT
Spiller Address:	1100 CITY HALL
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	168556
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was FG 11/23/99: FG NOTE TO FILE, THIS SITE IS PART OF A CONSENT ORDER BETWEEN DEC & THE CITY OF BUFFALO TO UPGRADE ALL UST'S. THE UST WAS TESTED AND FAILED. THEY PLAN ON REMOVING IT. 11/24/99: FG TELECON TO PETER MARLOWE (851-2142) WITH R&D ENGINEERING. HE SAID HE WILL GET BACK TO THIS OFFICE WITHIN ONE WEEK AND LET US KNOW WHEN THE UST WILL BE REMOVED. HE IS WORKING WITH ROBERT OHARA, THE CITY OF BUFFALO ARCHITECT 01/05/00: FG NOTE TO FILE, THIS SPILL FILE 9910197 CAN BE CLOSED BECAUSE IT IS A DUPLICATE OF 9910703. ALL FURTHER ACTION WILL BE HANDLED UNDER SPILL 9910703."
Remarks:	"TANK FAILED TEST NO PRODUCT SPILLAGE"

All TTF:

Facility ID:	9910197
Spill Number:	9910197
Spill Tank Test:	1547863
Site ID:	202627
Tank Number:	Not reported
Tank Size:	550
Material:	0008
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	202627
Operable Unit ID:	1088891
Operable Unit:	01
Material ID:	295696
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

BUFFALO FIRE HOUSE #32 (Continued) **S104284610**

SPILLS:

Facility ID:	9910703
Facility Type:	ER
Spill Number:	9910703
DER Facility ID:	168556
Site ID:	202628
DEC Region:	9
Closed Date:	2000-07-31
Spill Cause:	Unknown
Spill Class:	B3
SWIS:	1502
Spill Date:	1999-12-08
Investigator:	FXGALLEG
Referred To:	Not reported
Reported to Dept:	1999-12-08
CID:	371
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	2000-01-05
Recommended Penalty:	False
UST Trust:	True
Remediation Phase:	0
Date Entered In Computer:	1999-12-08
Spill Record Last Update:	2000-08-24
Spiller Name:	RICHARD STANTON
Spiller Company:	CITY OF BUFFALO
Spiller Address:	1100 CITY HALL
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was FG 01/04/00: FG SITE INSPECTION. UST REMOVED AND EXCAVATION BACKFILLED. 10 DRUMS STAGED ON SITE, CONTENTS - SOME PRODUCT TO BE REUSED AND SOME TANK BOTTOMS. UST HAD ALREADY BEEN MOVED OFF SITE FOR DISPOSAL. 01/05/00: FG SITE INSPECTION. DIGGING OUT UST EXCAVATION. CONTAMINATION PRESENT. SOIL IS BEING LOADED DIRECTLY INTO TRUCKS GOING TO THE LANDFILL. WORK IS TO CONTINUE ALL DAY. NEW UST IS SCHEDULED TO BE INSTALLED TOMORROW. EXCAVATION SAMPLES TO BE COLLECTED. 01/05/00: FG RECEIVED REPORT OF TANK TEST FAILURE NOTED IN SPILL 9910197 WHICH HAS BEEN CLOSED. ALL FURTHER ACTION REFERRED TO THIS SPILL 9910703. 04/10/00: FG RECEIVED TYREE'S CLOSURE REPORT FOR THIS SITE. SOIL DISPOSAL RECEIPTS ARE INCLUDED BUT TANK BOTTOM DRUM DISPOSAL RECEIPTS WERE NOT INCLUDED. ANALYTICAL FROM THE EXCAVATION SAMPLES WAS INCLUDED. SVOC'S TOTAL VALUES (PPB) WHICH EXCEED STARS - NORTH SIDEWALL: 11,977PPB, SOUTH SIDEWALL: 1593 PPB, EAST SIDEWALL: 2201 PPB. FURTHER WORK IS REQUIRED. FG SENT LETTER TO THE CITY OF BUFFALO REQUIRING ADDITIONAL WORK. 07/31/00: FG NOTE TO FILE, TYREE COMPLETED ADDITIONAL SAMPLING AT THE SITE. THEY DID A SOIL BORING ALONG THE NORTH SIDEWALL. THE RESULTS ARE NON DETECT FOR THE 8270 STARS ANALYTES. THEY DID NOT DO ANY SAMPLING ALONG THE EAST OR SOUTH SIDEWALLS BECAUSE THE VALUES WERE LOW ENOUGH FOR INACTIVE STATUS. NO FURTHER WORK, THE SITE CAN BE MADE INACTIVE. 08/14/00: FG NOTE TO FILE, TANK BOTTOM DISPOSAL RECEIPTS WERE REQUESTED IN THE 4/13/00 LETTER BUT DO NOT NEED TO BE SUBMITTED AS WE DO NOT REQUIRE DOCUMENTATION IN THE SPILL FILE FOR THIS DISPOSAL."

BUFFALO FIRE HOUSE #32 (Continued) **S104284610**

Remarks: "WHILE REMOVING UST, FOUND CONTAMINATED SOIL AND LIQUID PRODUCT -- SAMPLE TAKEN -- CLEAN UP PENDING RESULTS."

All Materials:

Site ID:	202628
Operable Unit ID:	1085467
Operable Unit:	01
Material ID:	296182
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

L46 **FARGO BUILDING** **RCRA NonGen / NLR** **1005444329**
NW **493-503 SENECA ST** **FINDS** **NYR000106500**
1/8-1/4 **BUFFALO, NY 14202** **ECHO**
0.209 mi. **NY MANIFEST**
1105 ft. **Site 1 of 4 in cluster L**

Relative:
Lower

Actual:
586 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	FARGO BUILDING
Facility address:	493-503 SENECA ST BUFFALO, NY 14202
EPA ID:	NYR000106500
Mailing address:	SENECA ST BUFFALO, NY 14202
Contact:	DENNIS SUTTON
Contact address:	SENECA ST BUFFALO, NY 14202
Contact country:	US
Contact telephone:	716-851-6587
Contact email:	Not reported
EPA Region:	02
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	CITY OF BUFFALO
Owner/operator address:	901 CITY HALL BUFFALO, NY 14202
Owner/operator country:	US
Owner/operator telephone:	716-851-5261
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Municipal
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/2001
Owner/Op end date:	Not reported

Owner/operator name:	CITY OF BUFFALO
Owner/operator address:	901 CITY HALL

FARGO BUILDING (Continued) **1005444329**

BUFFALO, NY 14202
Owner/operator country: US
Owner/operator telephone: 716-851-5261
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: 01/01/2001
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: FARGO BUILDING
Classification: Not a generator, verified

Date form received by agency: 05/24/2002
Site name: FARGO BUILDING
Classification: Large Quantity Generator

. Waste code: B007
. Waste name: B007

Violation Status: No violations found

FINDS:

Registry ID: 110012554020

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

FARGO BUILDING (Continued) **1005444329**

ECHO:
- Envid: 1005444329
- Registry ID: 110012554020
- DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110012554020

NY MANIFEST:
- Country: USA
- EPA ID: NYR000106500
- Facility Status: Not reported
- Location Address 1: SENECA ST & ALABAMA ST
- Code: BP
- Location Address 2: Not reported
- Total Tanks: Not reported
- Location City: BUFFALO
- Location State: NY
- Location Zip: 14202
- Location Zip 4: 3309

NY MANIFEST:
- EPAID: NYR000106500
- Mailing Name: BUFFALO CITY OF
- Mailing Contact: DENNIS SUTTON
- Mailing Address 1: 920 CITY HALL
- Mailing Address 2: Not reported
- Mailing City: BUFFALO
- Mailing State: NY
- Mailing Zip: 14202
- Mailing Zip 4: 3309
- Mailing Country: USA
- Mailing Phone: 7168516587

L47 **FARGO ELECTRIC** **NY LTANKS** **S105997724**
NW **493-503 SENECA ST** **N/A**
1/8-1/4 **BUFFALO, NY**
0.209 mi.
1105 ft. **Site 2 of 4 in cluster L**

Relative: **Lower**
Actual: **586 ft.**

LTANKS:
- Facility ID: 0275500
- Site ID: 209278
- Closed Date: 2003-05-01
- Spill Number: 0275500
- Spill Date: 2002-12-01
- Spill Cause: Tank Failure
- Spill Source: Commercial/Industrial
- Spill Class: C3
- Cleanup Ceased: Not reported
- SWIS: 1502
- Investigator: JFOTTO
- Referred To: Not reported
- Reported to Dept: 2002-12-23
- CID: Not reported
- Water Affected: Not reported
- Spill Notifier: Affected Persons
- Last Inspection: Not reported
- Recommended Penalty: False

FARGO ELECTRIC (Continued) **S105997724**

Meets Standard:	False
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	2003-01-29
Spill Record Last Update:	2003-05-14
Spiller Name:	Not reported
Spiller Company:	CITY OF BUFFALO
Spiller Address:	Not reported
Spiller County:	999
Spiller Contact:	LARRY SCHIAVONE
Spiller Phone:	(716) 851-4914
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	173550
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was JFO 12/23/02 JFO RECEIVED THE RESULTS OF A BOTTOM SAMPLE FROM A TANK PIT EXCAVATION. THE SEMI VOLATILES ARE SLIGHTLY ABOVE TAGMS. JFO CALLED ANDY MCLELLAN AND REQUESTED SIDEWALL ANALYTICAL RESULTS. EXCAVATION IS STILL OPEN. HE WILL SAMPLE. 01/08/03 JFO REC'D THE SIDEWALL RESULTS. NORTH AND WEST SIDEWALL ARE ALSO SLIGHTLY ABOVE TAGMS. NEED DISPOSAL RECEIPTS. THIS SITE WILL BE INACTIVE. SEE SPILL #0275134 FOR FURTHER INFORMATION. 05/01/03 JFO RECEIVED THE DISPOSAL RECEIPTS FOR 142.38 TONS ON CONTAMINATED SOIL. NO FURTHER ACTION REQUIRED AT THIS TIME THIS SITE IS INACTIVE. CLOSED"
Remarks:	"JFO REC'D ANALYTICAL RESULTS FOR A TANK PULL."

All Materials:

Site ID:	209278
Operable Unit ID:	865886
Operable Unit:	01
Material ID:	507866
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

48
NW
1/8-1/4
0.216 mi.
1142 ft.

NEW ERA CAP CO
331 MYRTLE AVE
BUFFALO, NY 14204

NY Spills **1000447069**
RCRA NonGen / NLR **NYD986906295**
FINDS
ECHO
NY MANIFEST

Relative:
Lower

Actual:
587 ft.

SPILLS:

Facility ID:	9400891
Facility Type:	ER
Spill Number:	9400891
DER Facility ID:	198636
Site ID:	241640
DEC Region:	9
Closed Date:	1994-04-21
Spill Cause:	Deliberate
Spill Class:	E6
SWIS:	1502

NEW ERA CAP CO (Continued) **1000447069**

Spill Date:	1994-04-01
Investigator:	COOKE
Referred To:	Not reported
Reported to Dept:	1994-04-18
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Citizen
Cleanup Ceased:	1994-04-21
Cleanup Meets Std:	True
Last Inspection:	1994-04-21
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1994-04-19
Spill Record Last Update:	1994-05-19
Spiller Name:	Not reported
Spiller Company:	NONE
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was JDC 04/21/94: JDC ON SITE AND MET W/ MR ZIEMINICK, PROJECT MGR AND IDENTIFIED NON-TOXIC CLEANER, LABELLED DRAIN SAFE. NO OTHER CHEMICALS WERE PRESENT OR SPILLED. NO FURTHER ACTION REQUIRED. 04/21/94: JDC ON SITE AND MET W/ MR ZIEMINICK, PROJECT MGR AND IDENTIFIED NON-TOXIC CLEANER, LABELLED DRAIN SAFE. NO OTHER CHEMICALS WERE PRESENT OR SPILLED. NO FURTHER ACTION REQUIRED. NOTIFIED BSA. "
Remarks:	"COMPANY IS DUMPING CLEANING SOLUTIONS DOWN SEWER."

All Materials:

Site ID:	241640
Operable Unit ID:	994609
Operable Unit:	01
Material ID:	384663
Material Code:	0064A
Material Name:	unknown material
Case No.:	Not reported
Material FA:	Other
Quantity:	.00
Units:	Not reported
Recovered:	.00
Oxygenate:	Not reported

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	NEW ERA CAP CO
Facility address:	331 MYRTLE AVE BUFFALO, NY 14204-1997
EPA ID:	NYD986906295
Mailing address:	MYRTLE AVE BUFFALO, NY 14204
Contact:	Not reported
Contact address:	MYRTLE AVE BUFFALO, NY 14204
Contact country:	US

NEW ERA CAP CO (Continued) **1000447069**

Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: DAVID KOCH
Owner/operator address: 8061 ERIE RD
DERBY, NY 14047
Owner/operator country: US
Owner/operator telephone: 716-549-0445
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: DAVID KOCH
Owner/operator address: 8061 ERIE RD
DERBY, NY 14047
Owner/operator country: US
Owner/operator telephone: 716-549-0445
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: NEW ERA CAP CO
Classification: Not a generator, verified

NEW ERA CAP CO (Continued) **1000447069**

Date form received by agency: 07/08/1999
Site name: NEW ERA CAP CO
Classification: Not a generator, verified

Date form received by agency: 05/21/1996
Site name: NEW ERA CAP CO
Classification: Small Quantity Generator

. Waste code: X002
. Waste name: POLYCHLORINATED BIPHENOLS (PCBs)

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 02/11/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

FINDS:

Registry ID: 110004449437

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000447069
Registry ID: 110004449437
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004449437

NY MANIFEST:
Country: USA
EPA ID: NYD986906295
Facility Status: Not reported
Location Address 1: 331 MYRTLE AVENUE
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BUFFALO
Location State: NY
Location Zip: 14204
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYD986906295
Mailing Name: NEW ERA CAP COMPANY INCORPORATED

NEW ERA CAP CO (Continued) **1000447069**

Mailing Contact:	ROBERT A NOWORYTA
Mailing Address 1:	331 MYRTLE AVENUE
Mailing Address 2:	Not reported
Mailing City:	BUFFALO
Mailing State:	NY
Mailing Zip:	14204
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	7168421727

L49 **LEON'S SERVICE** **NY LTANKS** **U003317296**
NW **490 SENECA ST** **NY UST** **N/A**
1/8-1/4 **BUFFALO, NY 14204**
0.219 mi.
1154 ft. **Site 3 of 4 in cluster L**

Relative: LTANKS:
Lower

Facility ID:	8710277
Site ID:	200031
Closed Date:	1988-05-16
Spill Number:	8710277
Spill Date:	1988-03-08
Spill Cause:	Tank Test Failure
Spill Source:	Gasoline Station or other PBS Facility
Spill Class:	Not reported
Cleanup Ceased:	1988-05-16
SWIS:	1502
Investigator:	COOKE
Referred To:	Not reported
Reported to Dept:	1988-03-08
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	1988-03-09
Spill Record Last Update:	1988-06-06
Spiller Name:	Not reported
Spiller Company:	FRANK RICH SERVICE
Spiller Address:	490 SENECA STREET
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	166470
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was JDC 03/09/88: JDC TELCON W/ MR RICH, FACILITY OWNER - TANK TO BE RETESTED 3/15/88 OR PRODUCT MUST BE REMOVED. 03/28/88: JDC TELCON W/ MR RICH 3/28/88 - RETEST COMPLETED (NO FAILURE) RETEST RESULTS BEING FORWARDED. WILL CLOSE FILE UPON RECIEPT OF RETEST RESULTS. 05/16/88: JDC RECIEVED TEST RESULTES AS REQUESTED NO FURTHER ACTION WILL BE REQUIRED. "
Remarks:	"3000 GAL STORAGE TANK FAILED PETRO TITE TESTING. RETEST SCHEDUALED

Actual:
587 ft.

LEON'S SERVICE (Continued) **U003317296**

FOR 3/15/88 BY FLEISCHMANS."

All TTF:

Facility ID:	8710277
Spill Number:	8710277
Spill Tank Test:	1533398
Site ID:	200031
Tank Number:	Not reported
Tank Size:	0
Material:	0008
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	200031
Operable Unit ID:	915979
Operable Unit:	01
Material ID:	462050
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Facility ID:	9609364
Site ID:	200032
Closed Date:	1997-09-29
Spill Number:	9609364
Spill Date:	1996-10-26
Spill Cause:	Tank Failure
Spill Source:	Gasoline Station or other PBS Facility
Spill Class:	B3
Cleanup Ceased:	Not reported
SWIS:	1502
Investigator:	RMCROSSE
Referred To:	Not reported
Reported to Dept:	1996-10-26
CID:	322
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	1997-09-25
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	True
Remediation Phase:	0

LEON'S SERVICE (Continued) **U003317296**

Date Entered In Computer:	1996-10-26
Spill Record Last Update:	1997-11-13
Spiller Name:	RAYMOND MONTANEZ
Spiller Company:	RAMON MONTANEZ
Spiller Address:	490 SENECA STREET
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	166470
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was RMC 10/28/96 RMC/SITE THREE OF SIX TANKS PULLED, DIGGING OUT CONTAMINAITON, TO REINSPECT, 10/30/96 RMC/NATURE'S WAY INC. CONTRACTOR (NWI)/SITE ALL KNOWN TANKS REMOVED, SAMPLES TAKEN, 100 YARDS SOIL STOCKPILED, DISPOSAL AND SAMPLING DUE 11/30/96 11/22/96 RMC/FILE RECEIVED EXCAVATION SAMPLE RESULTS, NO EXCEEDANCES, PLAN TO BIO TREAT SOIL ON SITE, HAZARDOUS DETERMINATION SAMPLING DUE 12/15/96 12/31/96 RMC/NWI/PHONE REQUESTED LETTER ON SITE, DUE 1/15/97 01/29/97 RMC/NWI/PHONE AGAIN REQUESTED SAMPLING AND LETTER ON SITE, DUE 2/15/97 01/29/97 RMC/FILE RECIEVED ANALYSIS REQUIRED, FIRST BIO ROUND DUE 5/30/97 06/03/97 RMC/WEBER/PHONE NWI ARE ACTIVELY BIOTREATING SOIL, RESULTS DUE 8/30/97 07/14/97 RMC/SITE BIO PILES HAVE WEEDS GROWING ON THEM, RMC ADVISED NWI TO TILL, REINSPECT 7/30 08/27/97 RMC/FILE NO RESULTS ON FILE FOR SOIL UNDER TREATMENT, LETTER, RESPONSE DUE 9/26 09/29/97 RMC/FILE RECEIVED FOUR STARS GASOLINE SAMPLES FOR THE SOIL UNDER TREATMENT, NO EXCEEDANCES, RMC QUESTIONED WHY JUST STARS GASOLINE WAS RUN, ACCORDING TO RUSS SAVAGE, OF NWI, NO CONTAMINATION WAS FOUND AROUND THE WASTE OIL OR DIESEL TANKS, RMC REVIEWED FILE, NO EXCEEDANCES IN ANY EXCAVATION SAMPLES, NO FURTHER ACTION REQUIRED, CLOSE OUT 05/07/98 RMC/RUSS SAVAGE/PHONE OWNER NEEDS TO HAVE BIOTREATED SOIL REMOVED FROM PROPERTY, SAVAGE CAN USE AS FILL ON HIS SITE ON BROADWAY IN ALDEN. RMC/RNL/MEETING OK PER RNL"
Remarks:	"during tank pull contaminated soil found "

All Materials:

Site ID:	200032
Operable Unit ID:	1037453
Operable Unit:	01
Material ID:	345088
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

UST:

Id/Status:	9-224839 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	9
Expiration Date:	N/A
UTM X:	184867.75521

LEON'S SERVICE (Continued) **U003317296**

UTM Y: 4754440.79237
Site Type: Retail Gasoline Sales

Affiliation Records:

Site Id: 53282
Affiliation Type: Facility Owner
Company Name: LEON FRANCISCO
Contact Type: Not reported
Contact Name: Not reported
Address1: 490 SENECA ST
Address2: Not reported
City: BUFFALO
State: NY
Zip Code: 14204
Country Code: 001
Phone: (716) 856-6814
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

Site Id: 53282
Affiliation Type: Mail Contact
Company Name: LEON FRANCISCO
Contact Type: Not reported
Contact Name: Not reported
Address1: 490 SENECA ST
Address2: Not reported
City: BUFFALO
State: NY
Zip Code: 14204
Country Code: 001
Phone: (716) 856-6814
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

Site Id: 53282
Affiliation Type: Facility Operator
Company Name: LEONS SERVICE
Contact Type: Not reported
Contact Name: LEON FRANCISCO
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (716) 856-6814
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

Site Id: 53282
Affiliation Type: Emergency Contact
Company Name: LEON FRANCISCO

LEON'S SERVICE (Continued) **U003317296**

Contact Type:	Not reported
Contact Name:	LEON FRANCISCO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(716) 856-6814
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Tank Info:

Tank Number:	1
Tank ID:	164748
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	3000
Install Date:	01/01/1978
Date Tank Closed:	10/01/1996
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0008
Common Name of Substance:	Diesel
Tightness Test Method:	01
Date Test:	03/01/1988
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	04/14/2017

Equipment Records:

H00 - Tank Leak Detection - None
I00 - Overfill - None
C00 - Pipe Location - No Piping
D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction Dispenser
G00 - Tank Secondary Containment - None

Tank Number:	2
Tank ID:	164749
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	3000
Install Date:	01/01/1983
Date Tank Closed:	10/01/1996
Registered:	True
Tank Location:	Underground

LEON'S SERVICE (Continued) **U003317296**

Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 04/14/2017

Equipment Records:

A00 - Tank Internal Protection - None
H00 - Tank Leak Detection - None
I00 - Overfill - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

Tank Number: 3
Tank ID: 164750
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 3000
Install Date: 01/01/1983
Date Tank Closed: 10/01/1996
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0009
Common Name of Substance: Gasoline

Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 04/14/2017

Equipment Records:

H00 - Tank Leak Detection - None
I00 - Overfill - None
A00 - Tank Internal Protection - None
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None

Tank Number: 4
Tank ID: 164751
Tank Status: Closed - Removed

LEON'S SERVICE (Continued) **U003317296**

Material Name:	Closed - Removed
Capacity Gallons:	4000
Install Date:	01/01/1976
Date Tank Closed:	10/01/1996
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	01
Date Test:	03/01/1988
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	04/14/2017

Equipment Records:

H00 - Tank Leak Detection - None
I00 - Overfill - None
C00 - Pipe Location - No Piping
D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
A00 - Tank Internal Protection - None
J02 - Dispenser - Suction Dispenser
G00 - Tank Secondary Containment - None

Tank Number:	5
Tank ID:	164752
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	01/01/1955
Date Tank Closed:	10/01/1996
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	9999
Common Name of Substance:	Other
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	04/14/2017

Equipment Records:

H00 - Tank Leak Detection - None
I00 - Overfill - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

LEON'S SERVICE (Continued) **U003317296**

A00 - Tank Internal Protection - None

L50 **FARGO ELECTRIC** **NY UST** **U004177746**
NW **487-503 SENECA ST.** **N/A**
1/8-1/4 **BUFFALO, NY 14204**
0.220 mi.
1159 ft. **Site 4 of 4 in cluster L**

Relative:
Lower

Actual:
586 ft.

UST:

Id/Status:	9-601247 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	9
Expiration Date:	N/A
UTM X:	184862.53593
UTM Y:	4754436.00938
Site Type:	Manufacturing (Other than Chemical)/Processing

Affiliation Records:

Site Id:	447441
Affiliation Type:	Facility Owner
Company Name:	FARGO ELECTRIC
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	487-503 SENECA
Address2:	Not reported
City:	BUFFALO
State:	NY
Zip Code:	14204
Country Code:	001
Phone:	Not reported
EMail:	Not reported
Fax Number:	Not reported
Modified By:	aeskalsk
Date Last Modified:	2011-04-04

Tank Info:

Tank Number:	1
Tank ID:	238619
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	550
Install Date:	Not reported
Date Tank Closed:	04/17/2002
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	aeskalsk
Last Modified:	04/14/2017

M51 **LARKIN SERVICE, INC.** **NY AST** **A100348574**
SSE **670 PERRY STREET** **N/A**
1/8-1/4 **BUFFALO, NY 14220**
0.226 mi.
1194 ft. **Site 1 of 4 in cluster M**

Relative:
Higher

Actual:
594 ft.

AST:

Region:	STATE
DEC Region:	9
Site Status:	Active
Facility Id:	9-601153
Program Type:	PBS
UTM X:	185323.03058
UTM Y:	4753775.71606
Expiration Date:	12/31/2019
Site Type:	Auto Service/Repair (No Gasoline Sales)

Affiliation Records:

Site Id:	423450
Affiliation Type:	Facility Owner
Company Name:	LARKIN SERVICE, INC.
Contact Type:	TREASURER
Contact Name:	DONNA G. WAVER
Address1:	P.O. BOX 1043
Address2:	Not reported
City:	BUFFALO
State:	NY
Zip Code:	14220
Country Code:	001
Phone:	(716) 827-1310
EMail:	Not reported
Fax Number:	Not reported
Modified By:	SJSHELLH
Date Last Modified:	2015-04-02

Site Id:	423450
Affiliation Type:	Mail Contact
Company Name:	LARKIN SERVICE, INC.
Contact Type:	Not reported
Contact Name:	ROBERT WAVER, JR. - PRESIDENT
Address1:	P.O. BOX 1043
Address2:	Not reported
City:	BUFFALO
State:	NY
Zip Code:	14220-8043
Country Code:	001
Phone:	(716) 827-1310
EMail:	DWAVER7@GMAIL.COM
Fax Number:	Not reported
Modified By:	SLZIEMBA
Date Last Modified:	2014-10-15

Site Id:	423450
Affiliation Type:	Facility Operator
Company Name:	LARKIN SERVICE, INC.
Contact Type:	Not reported
Contact Name:	DONNA WAVER
Address1:	Not reported
Address2:	Not reported
City:	Not reported

LARKIN SERVICE, INC. (Continued) **A100348574**

State: NY
Zip Code: Not reported
Country Code: 001
Phone: (716) 827-1310
EMail: Not reported
Fax Number: Not reported
Modified By: SJSHELLH
Date Last Modified: 2015-04-02

Site Id: 423450
Affiliation Type: Emergency Contact
Company Name: LARKIN SERVICE, INC.
Contact Type: Not reported
Contact Name: ROBERT WAVER, JR.
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 999
Phone: (716) 818-5128
EMail: Not reported
Fax Number: Not reported
Modified By: SJSHELLH
Date Last Modified: 2015-04-02

Tank Info:

Tank Number: 001
Tank Id: 232263
Material Code: 0015
Common Name of Substance: Motor Oil

Equipment Records:

E00 - Piping Secondary Containment - None
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
K00 - Spill Prevention - None
D11 - Pipe Type - Flexible Piping
F00 - Pipe External Protection - None
C02 - Pipe Location - Underground/On-ground
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
I04 - Overfill - Product Level Gauge (A/G)
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L00 - Piping Leak Detection - None

Tank Location: 3
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 01/02/1997
Capacity Gallons: 500
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported

LARKIN SERVICE, INC. (Continued) **A100348574**

Register: True
Modified By: SLZIEMBA
Last Modified: 04/14/2017
Material Name: motor oil

Tank Number: 002
Tank Id: 232264
Material Code: 0010
Common Name of Substance: Hydraulic Oil

Equipment Records:

A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
K00 - Spill Prevention - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
E00 - Piping Secondary Containment - None
G00 - Tank Secondary Containment - None
I04 - Overfill - Product Level Gauge (A/G)
D00 - Pipe Type - No Piping
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
J03 - Dispenser - Gravity
L00 - Piping Leak Detection - None

Tank Location: 3
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 01/02/1997
Capacity Gallons: 200
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: LDGOMEZ
Last Modified: 04/14/2017
Material Name: hydraulic oil

Tank Number: 003
Tank Id: 232265
Material Code: 0021
Common Name of Substance: Transmission Fluid

Equipment Records:

K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
E00 - Piping Secondary Containment - None
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
G00 - Tank Secondary Containment - None
I04 - Overfill - Product Level Gauge (A/G)
L00 - Piping Leak Detection - None
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)

LARKIN SERVICE, INC. (Continued) **A100348574**

J03 - Dispenser - Gravity
D00 - Pipe Type - No Piping

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/02/1997
Capacity Gallons:	200
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	LDGOMEZ
Last Modified:	04/14/2017
Material Name:	transmission fluid

Tank Number:	004
Tank Id:	232266
Material Code:	2642
Common Name of Substance:	Used Oil (Heating, On-Site Consumption)

Equipment Records:

E00 - Piping Secondary Containment - None
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
K00 - Spill Prevention - None
F00 - Pipe External Protection - None
J02 - Dispenser - Suction Dispenser
C01 - Pipe Location - Aboveground
D10 - Pipe Type - Copper
I04 - Overfill - Product Level Gauge (A/G)
G01 - Tank Secondary Containment - Diking (Aboveground)
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L00 - Piping Leak Detection - None

Tank Location:	2
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/04/1999
Capacity Gallons:	275
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	LDGOMEZ
Last Modified:	04/14/2017
Material Name:	used oil (heating, on-site consumption)

Tank Number:	005
Tank Id:	232267
Material Code:	2642
Common Name of Substance:	Used Oil (Heating, On-Site Consumption)

LARKIN SERVICE, INC. (Continued) **A100348574**

Equipment Records:

C01 - Pipe Location - Aboveground
D10 - Pipe Type - Copper
I04 - Overfill - Product Level Gauge (A/G)
F00 - Pipe External Protection - None
E00 - Piping Secondary Containment - None
J02 - Dispenser - Suction Dispenser
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
K00 - Spill Prevention - None
G01 - Tank Secondary Containment - Diking (Aboveground)
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L00 - Piping Leak Detection - None

Tank Location:	2
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/04/1999
Capacity Gallons:	225
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	SLZIEMBA
Last Modified:	04/14/2017
Material Name:	used oil (heating, on-site consumption)

Tank Number:	006
Tank Id:	232268
Material Code:	2642
Common Name of Substance:	Used Oil (Heating, On-Site Consumption)

Equipment Records:

F00 - Pipe External Protection - None
J02 - Dispenser - Suction Dispenser
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
C01 - Pipe Location - Aboveground
D10 - Pipe Type - Copper
I04 - Overfill - Product Level Gauge (A/G)
G01 - Tank Secondary Containment - Diking (Aboveground)
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L00 - Piping Leak Detection - None

Tank Location:	2
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/04/1999
Capacity Gallons:	275
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported

LARKIN SERVICE, INC. (Continued) **A100348574**

Date Tank Closed:	Not reported
Register:	True
Modified By:	LDGOMEZ
Last Modified:	04/14/2017
Material Name:	used oil (heating, on-site consumption)

Tank Number:	007
Tank Id:	232269
Material Code:	2642
Common Name of Substance:	Used Oil (Heating, On-Site Consumption)

Equipment Records:

E00 - Piping Secondary Containment - None
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
K00 - Spill Prevention - None
C01 - Pipe Location - Aboveground
D10 - Pipe Type - Copper
I04 - Overfill - Product Level Gauge (A/G)
J02 - Dispenser - Suction Dispenser
G01 - Tank Secondary Containment - Diking (Aboveground)
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L00 - Piping Leak Detection - None

Tank Location:	2
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/04/1999
Capacity Gallons:	275
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	LDGOMEZ
Last Modified:	04/14/2017
Material Name:	used oil (heating, on-site consumption)

Tank Number:	008
Tank Id:	232271
Material Code:	2642
Common Name of Substance:	Used Oil (Heating, On-Site Consumption)

Equipment Records:

J02 - Dispenser - Suction Dispenser
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
K00 - Spill Prevention - None
E00 - Piping Secondary Containment - None
F00 - Pipe External Protection - None
C01 - Pipe Location - Aboveground
D10 - Pipe Type - Copper
I04 - Overfill - Product Level Gauge (A/G)

LARKIN SERVICE, INC. (Continued) **A100348574**

G01 - Tank Secondary Containment - Diking (Aboveground)
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L00 - Piping Leak Detection - None

Tank Location:	2
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/04/1999
Capacity Gallons:	275
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	LDGOMEZ
Last Modified:	04/14/2017
Material Name:	used oil (heating, on-site consumption)

Tank Number:	009
Tank Id:	232272
Material Code:	2642
Common Name of Substance:	Used Oil (Heating, On-Site Consumption)

Equipment Records:

C01 - Pipe Location - Aboveground
D10 - Pipe Type - Copper
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
K00 - Spill Prevention - None
F00 - Pipe External Protection - None
E00 - Piping Secondary Containment - None
J02 - Dispenser - Suction Dispenser
G01 - Tank Secondary Containment - Diking (Aboveground)
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L00 - Piping Leak Detection - None

Tank Location:	2
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	09/01/2009
Capacity Gallons:	275
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	LDGOMEZ
Last Modified:	04/14/2017
Material Name:	used oil (heating, on-site consumption)

Tank Number:	010
Tank Id:	232273
Material Code:	2642
Common Name of Substance:	Used Oil (Heating, On-Site Consumption)

LARKIN SERVICE, INC. (Continued) **A100348574**

Equipment Records:

K00 - Spill Prevention - None
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
E00 - Piping Secondary Containment - None
F00 - Pipe External Protection - None
J02 - Dispenser - Suction Dispenser
D10 - Pipe Type - Copper
I04 - Overfill - Product Level Gauge (A/G)
C01 - Pipe Location - Aboveground
L00 - Piping Leak Detection - None
G01 - Tank Secondary Containment - Diking (Aboveground)
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)

Tank Location:	2
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	09/01/2009
Capacity Gallons:	200
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	LDGOMEZ
Last Modified:	04/14/2017
Material Name:	used oil (heating, on-site consumption)

Tank Number:	011
Tank Id:	232274
Material Code:	0015
Common Name of Substance:	Motor Oil

Equipment Records:

E00 - Piping Secondary Containment - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
K00 - Spill Prevention - None
I04 - Overfill - Product Level Gauge (A/G)
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
D00 - Pipe Type - No Piping
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L00 - Piping Leak Detection - None

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	09/01/2008
Capacity Gallons:	275
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported

LARKIN SERVICE, INC. (Continued) **A100348574**

Date Tank Closed:	Not reported
Register:	True
Modified By:	LDGOMEZ
Last Modified:	04/14/2017
Material Name:	motor oil

Tank Number:	012
Tank Id:	232275
Material Code:	2642
Common Name of Substance:	Used Oil (Heating, On-Site Consumption)

Equipment Records:

C01 - Pipe Location - Aboveground
D10 - Pipe Type - Copper
I04 - Overfill - Product Level Gauge (A/G)
E00 - Piping Secondary Containment - None
K01 - Spill Prevention - Catch Basin
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
J02 - Dispenser - Suction Dispenser
F00 - Pipe External Protection - None
G01 - Tank Secondary Containment - Diking (Aboveground)
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L00 - Piping Leak Detection - None

Tank Location:	2
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/04/1999
Capacity Gallons:	275
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	SLZIEMBA
Last Modified:	04/14/2017
Material Name:	used oil (heating, on-site consumption)

Tank Number:	013
Tank Id:	232276
Material Code:	2642
Common Name of Substance:	Used Oil (Heating, On-Site Consumption)

Equipment Records:

A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
K01 - Spill Prevention - Catch Basin
E00 - Piping Secondary Containment - None
F00 - Pipe External Protection - None
J02 - Dispenser - Suction Dispenser
I04 - Overfill - Product Level Gauge (A/G)
C01 - Pipe Location - Aboveground
D10 - Pipe Type - Copper

LARKIN SERVICE, INC. (Continued) **A100348574**

L00 - Piping Leak Detection - None
G01 - Tank Secondary Containment - Diking (Aboveground)
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)

Tank Location:	2
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/04/1999
Capacity Gallons:	275
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	SLZIEMBA
Last Modified:	04/14/2017
Material Name:	used oil (heating, on-site consumption)

Tank Number:	014
Tank Id:	232277
Material Code:	2642
Common Name of Substance:	Used Oil (Heating, On-Site Consumption)

Equipment Records:

F00 - Pipe External Protection - None
E00 - Piping Secondary Containment - None
K01 - Spill Prevention - Catch Basin
J02 - Dispenser - Suction Dispenser
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
C01 - Pipe Location - Aboveground
D10 - Pipe Type - Copper
I04 - Overfill - Product Level Gauge (A/G)
G01 - Tank Secondary Containment - Diking (Aboveground)
H06 - Tank Leak Detection - Impervious Barrier/Concrete Pad (A/G)
L00 - Piping Leak Detection - None

Tank Location:	2
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/04/1999
Capacity Gallons:	275
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	SLZIEMBA
Last Modified:	04/14/2017
Material Name:	used oil (heating, on-site consumption)

M52 **TYSON FOOD INC** **SEMS** **1004571762**
SSE **665 PERRY ST** **RCRA-SQG** **NYD986971158**
1/8-1/4 **BUFFALO, NY 14210** **US AIRS**
0.234 mi. **NY MANIFEST**
1238 ft. **Site 2 of 4 in cluster M** **NJ MANIFEST**

Relative: Higher

Actual: 593 ft.

SEMS:

Site ID:	206625
EPA ID:	NYD986971158
Cong District:	27
FIPS Code:	36029
Latitude:	Not reported
Longitude:	Not reported
FF:	N
NPL:	Not on the NPL
Non NPL Status:	Removal Only Site (No Site Assessment Work Needed)

SEMS Detail:

Region:	2
Site ID:	206625
EPA ID:	NYD986971158
Site Name:	TYSON FOOD INC
NPL:	N
FF:	N
OU:	0
Action Code:	PJ
Action Name:	RP EM REM
SEQ:	1
Start Date:	2012-10-18 00:00:00
Finish Date:	11/29/2012
Qual:	S
Current Action Lead:	EPA Ovrsght

RCRA-SQG:

Date form received by agency:	07/26/2007
Facility name:	TYSON FOOD INC
Facility address:	665 PERRY ST BUFFALO, NY 14210
EPA ID:	NYD986971158
Mailing address:	PERRY ST BUFFALO, NY 14210
Contact:	LOUIS SOLOMON
Contact address:	PERRY ST BUFFALO, NY 14210
Contact country:	US
Contact telephone:	716-826-6400
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Small Small Quantity Generator
Description:	Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Handler Activities Summary:

U.S. importer of hazardous waste: No

TYSON FOOD INC (Continued) **1004571762**

Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 07/25/2007
Site name: TYSON FOOD INC
Classification: Small Quantity Generator

Date form received by agency: 01/01/2006
Site name: RUSSER FOODS
Classification: Small Quantity Generator

Date form received by agency: 05/07/1992
Site name: RUSSER FOODS
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 09/02/2015
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 07/17/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/07/2003

TYSON FOOD INC (Continued) **1004571762**

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/22/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

US AIRS MINOR:
Envid: 1004571762
Region Code: 02
Programmatic ID: AIR NY0000009140200451
Facility Registry ID: 110000566361
D and B Number: Not reported
Primary SIC Code: 2013
NAICS Code: 999999
Default Air Classification Code: MIN
Facility Type of Ownership Code: POF
Air CMS Category Code: Not reported
HPV Status: Not reported

US AIRS MINOR:
Region Code: 02
Programmatic ID: AIR NY0000009140200451
Facility Registry ID: 110000566361
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-03-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

US AIRS MINOR:
Envid: 1004571762
Region Code: 02
Programmatic ID: AIR NY0000009140200451
Facility Registry ID: 110000566361
D and B Number: Not reported
Primary SIC Code: 2013
NAICS Code: 999999
Default Air Classification Code: MIN
Facility Type of Ownership Code: POF
Air CMS Category Code: Not reported
HPV Status: Not reported

US AIRS MINOR:
Region Code: 02
Programmatic ID: AIR NY0000009140200451
Facility Registry ID: 110000566361
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

TYSON FOOD INC (Continued) **1004571762**

Activity Date: 2003-03-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

NY MANIFEST:
Country: USA
EPA ID: NYD986971158
Facility Status: Not reported
Location Address 1: 665 PERRY ST
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BUFFALO
Location State: NY
Location Zip: 14210
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYD986971158
Mailing Name: RUSSER FOOD PRODUCTS
Mailing Contact: LOU
Mailing Address 1: 665 PERRY ST
Mailing Address 2: Not reported
Mailing City: BUFFALO
Mailing State: NY
Mailing Zip: 14210
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 7168266400

NJ MANIFEST:
EPA Id: NYD986971158
Mail Address: 665 PERRY ST
Mail City/State/Zip: BUFFALO 14210
Facility Phone: 7168266400
Emergency Phone: Not reported
Contact: Not reported
Comments: Not reported
SIC Code: Not reported
County: 00
Municipal: 00
Previous EPA Id: Not reported
Gen Flag: X
Trans Flag: Not reported
TSDF Flag: Not reported
Name Change: Not reported
Date Change: 000000

Manifest:
Manifest Number: 002598407SKS
EPA ID: NYD986971158
Date Shipped: 6/7/2012
TSDF EPA ID: NJD002182897

TYSON FOOD INC (Continued) **1004571762**

Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D002
Hand Code:	Not reported
Quantity:	120.00 Pounds

Manifest Number:	NJA3155556
EPA ID:	NYD986971158
Date Shipped:	02/23/2004
TSDF EPA ID:	NJR000022442
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	NJD071629976
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported

TYSON FOOD INC (Continued) **1004571762**

Date Trans1 Transported Waste:	02/23/2004
Date Trans2 Transported Waste:	03/03/2004
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	03/03/2004
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	03310421
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported
Manifest Number:	NJA3155616
EPA ID:	NYD986971158
Date Shipped:	07/13/2004
TSDF EPA ID:	NJR000022442
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	MOR000505347
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	07/13/2004
Date Trans2 Transported Waste:	07/16/2004
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	07/28/2004
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported

TYSON FOOD INC (Continued) **1004571762**

Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	08310422
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Manifest Number:	003338756FLE
EPA ID:	NYD986971158
Date Shipped:	4/21/2011
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	NJD071629976
Transporter 3 EPA ID:	TXR000050930
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D002
Hand Code:	H141
Quantity:	90.00 Pounds

TYSON FOOD INC (Continued) **1004571762**

Manifest Number:	NJA3155635
EPA ID:	NYD986971158
Date Shipped:	09/29/2004
TSDF EPA ID:	NJR000022442
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	MOD095038998
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	09/29/2004
Date Trans2 Transported Waste:	10/13/2004
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	10/13/2004
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	12170421
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Manifest Number:	NJA4015949
EPA ID:	NYD986971158
Date Shipped:	12/30/2004
TSDF EPA ID:	NJR000022442
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	12/30/2004
Date Trans2 Transported Waste:	Not reported

TYSON FOOD INC (Continued) **1004571762**

Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	01/18/2005
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	02160595
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Manifest Number:	002598965SKS
EPA ID:	NYD986971158
Date Shipped:	1/11/2013
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	TXR000081205
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported

TYSON FOOD INC (Continued) **1004571762**

Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D002
Hand Code:	Not reported
Quantity:	90.00 Pounds

Manifest Number:	NJA4015972
EPA ID:	NYD986971158
Date Shipped:	03/25/2005
TSDF EPA ID:	NJR000022442
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	NJD071629976
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	03/25/2005
Date Trans2 Transported Waste:	04/12/2005
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	04/12/2005
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	05270521
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Manifest Number:	NJA3155562

TYSON FOOD INC (Continued) **1004571762**

EPA ID:	NYD986971158
Date Shipped:	04/16/2004
TSDF EPA ID:	NJR000022442
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	NJD071629976
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	04/16/2004
Date Trans2 Transported Waste:	04/27/2004
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	04/27/2004
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	05120421
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Manifest Number:	003338757FLE
EPA ID:	NYD986971158
Date Shipped:	4/21/2011
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported

TYSON FOOD INC (Continued) **1004571762**

Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D001
Hand Code:	H141
Quantity:	30.00 Pounds

Manifest Number:	NJA3155561
EPA ID:	NYD986971158
Date Shipped:	03/19/2004
TSDF EPA ID:	NJR000022442
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	MOR000505347
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	03/19/2004
Date Trans2 Transported Waste:	03/30/2004
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	03/31/2004
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported

TYSON FOOD INC (Continued) **1004571762**

Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	04290422
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Manifest Number:	003225421SKS
EPA ID:	NYD986971158
Date Shipped:	10/1/2013
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	TXR000081205
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D002

TYSON FOOD INC (Continued) **1004571762**

Hand Code:	Not reported
Quantity:	105.00 Pounds
Manifest Number:	NJA3155578
EPA ID:	NYD986971158
Date Shipped:	06/16/2004
TSDF EPA ID:	NJR000022442
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	NJD071629976
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	06/16/2004
Date Trans2 Transported Waste:	07/12/2004
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	07/12/2004
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	08310422
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported
Manifest Number:	NJA4015908
EPA ID:	NYD986971158
Date Shipped:	11/05/2004
TSDF EPA ID:	NJR000022442
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	MOD095038998
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported

TYSON FOOD INC (Continued) **1004571762**

Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	11/05/2004
Date Trans2 Transported Waste:	11/29/2004
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	11/29/2004
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	01050521
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Manifest Number:	NJA4015970
EPA ID:	NYD986971158
Date Shipped:	02/01/2005
TSDF EPA ID:	NJR000022442
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	NJD071629976
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	02/01/2005
Date Trans2 Transported Waste:	02/01/2005
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	02/09/2005
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported

TYSON FOOD INC (Continued) **1004571762**

Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	04150521
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Manifest Number:	003225248SKS
EPA ID:	NYD986971158
Date Shipped:	5/17/2013
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	TXR000081205
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	F002 D001 D039 D040 D005
Hand Code:	Not reported

TYSON FOOD INC (Continued) **1004571762**

Quantity:	30.00 Pounds
Manifest Year:	Not reported
Waste Code:	D002
Hand Code:	Not reported
Quantity:	100.00 Pounds
Manifest Number:	NJA4015971
EPA ID:	NYD986971158
Date Shipped:	03/01/2005
TSDF EPA ID:	NJR000022442
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	NJD071629976
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	03/01/2005
Date Trans2 Transported Waste:	03/09/2005
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	03/09/2005
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	04220522
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported
Manifest Number:	002598182SKS
EPA ID:	NYD986971158
Date Shipped:	1/23/2012
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported

TYSON FOOD INC (Continued) **1004571762**

Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D002
Hand Code:	Not reported
Quantity:	50.00 Pounds

Manifest Number:	NJA3155621
EPA ID:	NYD986971158
Date Shipped:	08/24/2004
TSDF EPA ID:	NJR000022442
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	NJD071629976
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	08/24/2004
Date Trans2 Transported Waste:	09/01/2004
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported

TYSON FOOD INC (Continued) **1004571762**

Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	09/01/2004
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	10260422
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Manifest Number:	NJA4014102
EPA ID:	NYD986971158
Date Shipped:	04/18/2005
TSDF EPA ID:	NJR000022442
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	NJD071629976
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	04/18/2005
Date Trans2 Transported Waste:	04/29/2005
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	04/29/2005
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported

TYSON FOOD INC (Continued) **1004571762**

Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	06090525
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

M53 **TYSON DELI** **NY AST** **1001422463**
SSE **665 PERRY STREET** **N/A**
1/8-1/4 **BUFFALO, NY 14210**
0.234 mi.
1238 ft. **Site 3 of 4 in cluster M**

Relative:
Higher

Actual:
593 ft.

AST:

Region:	STATE
DEC Region:	9
Site Status:	Active
Facility Id:	9-600394
Program Type:	PBS
UTM X:	185295.53080
UTM Y:	4753769.08015
Expiration Date:	06/08/2018
Site Type:	Other Wholesale/Retail Sales

Affiliation Records:

Site Id:	55242
Affiliation Type:	Facility Owner
Company Name:	TYSON FOODS - DELI DIVISION - RUSSER
Contact Type:	UTILITIES SUPERVISOR
Contact Name:	CHAD BIRKHOLZ
Address1:	665 PERRY STREET
Address2:	Not reported
City:	BUFFALO
State:	NY
Zip Code:	14210
Country Code:	001
Phone:	(716) 826-6400
EMail:	Not reported
Fax Number:	Not reported
Modified By:	SJSHELLH
Date Last Modified:	2015-03-17

Site Id:	55242
Affiliation Type:	Mail Contact
Company Name:	TYSON DELI
Contact Type:	Not reported
Contact Name:	CHAD BIRKHOLZ
Address1:	665 PERRY STREET
Address2:	Not reported
City:	BUFFALO
State:	NY
Zip Code:	14210
Country Code:	001
Phone:	(716) 826-6400
EMail:	CHAD.BIRKHOLZ@TYSON.COM
Fax Number:	Not reported
Modified By:	aeskalsk

TYSON DELI (Continued) **1001422463**

Date Last Modified: 2013-12-23

Site Id: 55242
Affiliation Type: Facility Operator
Company Name: TYSON DELI
Contact Type: Not reported
Contact Name: CHAD BIRKHOLZ
Address1: Not reported
Address2: Not reported
City: Not reported
State: NY
Zip Code: Not reported
Country Code: 001
Phone: (716) 826-6400
EMail: Not reported
Fax Number: Not reported
Modified By: SJSHELLH
Date Last Modified: 2015-03-17

Site Id: 55242
Affiliation Type: Emergency Contact
Company Name: TYSON FOODS - DELI DIVISION - RUSSER
Contact Type: Not reported
Contact Name: CHAD BIRKHOLZ
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 999
Phone: (716) 826-6400
EMail: Not reported
Fax Number: Not reported
Modified By: SJSHELLH
Date Last Modified: 2015-03-17

Tank Info:

Tank Number: 001
Tank Id: 173152
Material Code: 0022
Common Name of Substance: Waste Oil/Used Oil

Equipment Records:

K01 - Spill Prevention - Catch Basin
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)
I01 - Overfill - Float Vent Valve
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
F00 - Pipe External Protection - None
C00 - Pipe Location - No Piping
I04 - Overfill - Product Level Gauge (A/G)
J02 - Dispenser - Suction Dispenser

TYSON DELI (Continued) **1001422463**

L00 - Piping Leak Detection - None
G01 - Tank Secondary Containment - Diking (Aboveground)
D00 - Pipe Type - No Piping

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	05/01/1998
Capacity Gallons:	300
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	aeskalsk
Last Modified:	04/14/2017
Material Name:	waste oil/used oil

Tank Number:	002
Tank Id:	219500
Material Code:	0022
Common Name of Substance:	Waste Oil/Used Oil

Equipment Records:

D00 - Pipe Type - No Piping
G01 - Tank Secondary Containment - Diking (Aboveground)
L00 - Piping Leak Detection - None
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
B01 - Tank External Protection - Painted/Asphalt Coating
G09 - Tank Secondary Containment - Modified Double-Walled (Aboveground)
I01 - Overfill - Float Vent Valve
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
K01 - Spill Prevention - Catch Basin
J02 - Dispenser - Suction Dispenser

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	08/27/2007
Capacity Gallons:	300
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	aeskalsk
Last Modified:	04/14/2017
Material Name:	waste oil/used oil

M54 **NYS THRUWAY AUTH - BIN 5512269** **RCRA NonGen / NLR** **1000553257**
SSE **VAN RENSSELAER ST & PERRY ST** **NY MANIFEST** **NYD986956720**
1/8-1/4 **BUFFALO, NY 14210**
0.240 mi.
1266 ft. **Site 4 of 4 in cluster M**

Relative:
Higher

Actual:
589 ft.

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	NYS THRUWAY AUTH - BIN 5512269
Facility address:	VAN RENSSELAER ST & PERRY ST BUFFALO, NY 14210
EPA ID:	NYD986956720
Mailing address:	GENESEE ST CHEEKTOWAGA, NY 14225
Contact:	ERNEST SCAROZZA
Contact address:	GENESEE ST CHEEKTOWAGA, NY 14225
Contact country:	US
Contact telephone:	716-631-9017
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	MELI F P CONST DIV ENGR
Owner/operator address:	3901 GENESEE ST CHEEKTOWAGA, NY 14225
Owner/operator country:	US
Owner/operator telephone:	716-631-9017
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	State
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	MELI F P CONST DIV ENGR
Owner/operator address:	3901 GENESEE ST CHEEKTOWAGA, NY 14225
Owner/operator country:	US
Owner/operator telephone:	716-631-9017
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	State
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No

NYS THRUWAY AUTH - BIN 5512269 (Continued) **1000553257**

Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: NYS THRUWAY AUTH - BIN 5512269
Classification: Not a generator, verified

Date form received by agency: 01/23/1992
Site name: NYS THRUWAY
Classification: Large Quantity Generator

Date form received by agency: 06/05/1991
Site name: NYS THRUWAY AUTH - BIN 5512269
Classification: Not a generator, verified

. Waste code: D008
. Waste name: LEAD

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 09/28/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA Contractor/Grantee

NY MANIFEST:
Country: USA
EPA ID: NYD986956720
Facility Status: Not reported
Location Address 1: VAN RENSSELAER ST BIN#5512269
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BUFFALO
Location State: NY
Location Zip: 14210
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYD986956720
Mailing Name: NEW YORK STATE THRUWAY AUTHORITY
Mailing Contact: PHILIP J. LAKSO
Mailing Address 1: PO BOX 103
Mailing Address 2: Not reported
Mailing City: ELMA
Mailing State: NY

NYS THRUWAY AUTH - BIN 5512269 (Continued) **1000553257**

Mailing Zip: 14059
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 7166319017

55
SW
1/8-1/4
0.245 mi.
1294 ft.

BUFFALO MUNICIPAL HOUSING AUTHORITY
492 PERRY ST
BUFFALO, NY 14222

RCRA NonGen / NLR **1000227772**
FINDS **NYD986875920**
ECHO
NY MANIFEST

Relative:
Lower

Actual:
584 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: BUFFALO MUNICIPAL HOUSING AUTHORITY
Facility address: 492 PERRY ST
BUFFALO, NY 14222
EPA ID: NYD986875920
Mailing address: CITY HALL
BUFFALO, NY 14202
Contact: Not reported
Contact address: CITY HALL
BUFFALO, NY 14202
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: BUFFALO MUNICIPAL HOUSING AUTHORITY
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: 212-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: County
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: BUFFALO MUNICIPAL HOUSING AUTHORITY
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: 212-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: County
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

BUFFALO MUNICIPAL HOUSING AUTHORITY (Continued) **1000227772**

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: BUFFALO MUNICIPAL HOUSING AUTHORITY
Classification: Not a generator, verified

Date form received by agency: 04/20/1992
Site name: BUFFALO MUNICIPAL HOUSING AUTHORITY
Classification: Not a generator, verified

. Waste code: NONE
. Waste name: None

Date form received by agency: 09/27/1988
Site name: BUFFALO MUNICIPAL HOUSING AUTHORITY
Classification: Large Quantity Generator

. Waste code: NONE
. Waste name: None

Violation Status: No violations found

FINDS:

Registry ID: 110004438145

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000227772

BUFFALO MUNICIPAL HOUSING AUTHORITY (Continued) **1000227772**

Registry ID: 110004438145
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004438145

NY MANIFEST:
Country: USA
EPA ID: NYD986875920
Facility Status: Not reported
Location Address 1: 492 PERRY STREET
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BUFFALO
Location State: NY
Location Zip: 14202
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYD986875920
Mailing Name: BUFFALO MUNICIPAL HOUSING AUTHORITY
Mailing Contact: BUFFALO MUNICIPAL HOUSING AUTHORITY
Mailing Address 1: 901 CITY HALL
Mailing Address 2: Not reported
Mailing City: BUFFALO
Mailing State: NY
Mailing Zip: 14202
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 7168521486

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56 **111 HYDRAULIC STREET PROJECT** **NY BROWNFIELDS** **S110309471**
East **111 HYDRAULIC STREET** **N/A**
1/4-1/2 **BUFFALO, NY 14210**
0.265 mi.
1400 ft.

Relative:
Higher

Actual:
592 ft.

BROWNFIELDS:
Program: BCP
Site Code: 425541
Acres: 2.02
HW Code: C915235
SWIS: 1502
Town: Buffalo (c)
Record Added Date: 03/04/2010
Record Updated Date: 07/26/2011
Update By: MLDOSTER
Site Description: Location: This 2.02 acres site is located at the intersection of Hydraulic and Seneca Streets in the City of Buffalo in a mixed residential and commercial area. The site consists of two industrial /commercial and five residential parcels. Historical Use: Since 1940, the industrial/commercial parcels have been used by dry cleaning, linen and laundry services, commercial retail stores, offices, auto body repair, gas tank removal and refurbishing, and door and radiator sand blasting services. Current Zoning: The property is zoned for Light Industrial use. Contamination: Site investigations conducted in 2006-07 and 2009-10 report the presence of petroleum hydrocarbons (ranging up to 1380 ppm), PAHs, and metals (lead ranging up to 3590 ppm) at the site from past industrial uses. DEC Spill # 0650564 was

111 HYDRAULIC STREET PROJECT (Continued) **S110309471**

	created in 2006 as a result of these findings. Site Geology and Hydrogeology: Subsurface consists of fill underlain with silty clay and gray clay. Groundwater is approximately 8-10 feet below ground surface and groundwater in overburden flows towards the south-west. Remedial Action: The Brownfield Cleanup Agreement was signed by the Department in June 2010. An Interim Remedial Measure to demolish the on-site building (former Good Door Store) and remove contaminated soils began in the September 2010 and was completed in November 2010. The Final Engineering Report was received in June 2011. The Decision Document (No Further Action) was signed on 7/11/11. 7/26/11-the Department signed the Certificate of Completion.
Env Problem:	Prior to the IRM, petroleum hydrocarbons (up to 1,380 ppm), PAHs, and metals (lead up to 3,590 ppm) were found at the site. These levels exceeded the commercial/industrial SCOs. Contaminated soils from the spill area and other areas of the site were addressed during an IRM. During the IRM 14,630 tons of contaminated soils from the spill area and other areas of the site were excavated and disposed at a permitted off-site landfill. In general, the excavations were from 2-14 feet deep and continued to native soil. Post excavation soil samples results showed that Unrestricted SCOs were achieved for VOCs, PAHs, and PCBs for all the samples over the entire site. A few samples showed metals above Unrestricted SCOs. The highest levels of lead, zinc, and mercury were 386 ppm, 369 ppm, and 0.81 ppm respectively. The entire site has been backfilled with materials meeting the residential SCOs. The soils at site consist of clayey-silt and sandy-silt. The bedrock is approximately 18 feet bgs. In general the groundwater from the site flows towards Lake Erie or towards south-west. The site no longer poses a threat to the environment. Only one overburden well shows low levels of metals and PAHs. No VOCs were found in either overburden or bedrock wells. There are no drinking water wells on-site and the City of Buffalo prohibits the use of groundwater. Therefore remedial action to address groundwater were not determined to be necessary
Health Problem:	Remedial activities performed as an interim remedial measure have removed all contamination to a level consistent with residential use.
Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	2010-03-04 15:45:00
Record Upd:	2011-07-07 15:54:00
Updated By:	MLDOSTER
Own Op:	Applicant/Requestor
Sub Type:	P03
Owner Name:	Joseph Petrella
Owner Company:	598 Main Street, LLC
Owner Address:	726 Exchange Street, Suite 825
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14210
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	P03

111 HYDRAULIC STREET PROJECT (Continued) **S110309471**

Owner Name:	Joseph Petrella
Owner Company:	598 Main Street LLC
Owner Address:	726 Exchange Street, Suite 825
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14210
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	Buffalo and Erie County Public Library
Owner Address:	1 Lafayette Square
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14203
Owner Country:	United States of America
HW Code:	C915235
Waste Type:	Polycyclic Aromatic Hydrocarbons (PAHs), Total
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915235
Waste Type:	Petroleum Products
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915235
Waste Type:	LEAD
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915235
Waste Type:	BENZO(A)PYRENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	0650564
Cross Ref Type Code:	01
Cross Ref Type:	Spill No.
Record Added Date:	2010-05-03 13:41:00
Record Updated:	2010-05-03 13:41:00
Updated By:	MLDOSTER
Crossref ID:	C915235-06-10
Cross Ref Type Code:	23
Cross Ref Type:	Agreement/Consent Order Number
Record Added Date:	2011-07-08 10:26:00
Record Updated:	2011-07-08 10:26:00
Updated By:	MOBARRIE

57
ESE
1/4-1/2
0.286 mi.
1508 ft.

W J TAYLOR INTERNATIONAL CONST **NY LTANKS U003317609**
131 ROSEVILLE **NY UST N/A**
BUFFALO, NY 14210

Relative:
Higher

Actual:
595 ft.

LTANKS:

Facility ID:	9400832
Site ID:	251160
Closed Date:	1994-06-13
Spill Number:	9400832
Spill Date:	1994-04-01
Spill Cause:	Tank Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	B3

W J TAYLOR INTERNATIONAL CONST (Continued) **U003317609**

Cleanup Ceased:	1994-06-13
SWIS:	1502
Investigator:	FXGALLEG
Referred To:	Not reported
Reported to Dept:	1994-04-15
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	1994-04-18
Spill Record Last Update:	1999-10-08
Spiller Name:	Not reported
Spiller Company:	NYS THRUWAY AUTHORITY
Spiller Address:	3901 GENESEE STREET
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	205850
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was FG 05/19/94: SENT LTR REQUIRING ADDL SAMPLING AND ANALYSIS BY 6/10/94. 06/13/94: NYSTA SUBMITTED 8270 ANALYSIS. LEVELS BELOW STARS GUIDANCE MEMO. SITE CAN BE CLOSED. "
Remarks:	"UST REMOVAL AT NYS THRUWAY AUTHORITY. CONTAMINATED SOIL DISCOVERED."

All Materials:

Site ID:	251160
Operable Unit ID:	998291
Operable Unit:	01
Material ID:	384606
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	L
Recovered:	.00
Oxygenate:	Not reported

UST:

Id/Status:	9-387649 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	9
Expiration Date:	N/A
UTM X:	185629.78130
UTM Y:	4753877.00313
Site Type:	Other

Affiliation Records:

Site Id:	53841
Affiliation Type:	Facility Owner

W J TAYLOR INTERNATIONAL CONST (Continued) **U003317609**

Company Name:	W J TAYLOR INTERNATIONAL CONST
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	45 STANLEY ST
Address2:	Not reported
City:	BUFFALO
State:	NY
Zip Code:	14206
Country Code:	001
Phone:	(716) 896-3005
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	53841
Affiliation Type:	Mail Contact
Company Name:	W J TAYLOR INTERNATIONAL CONST
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	45 STANLEY ST
Address2:	Not reported
City:	BUFFALO
State:	NY
Zip Code:	14206
Country Code:	001
Phone:	(716) 896-3005
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	53841
Affiliation Type:	Facility Operator
Company Name:	W J TAYLOR INTERNATIONAL CONST
Contact Type:	Not reported
Contact Name:	WILLIAM J TAYLOR JR
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(716) 847-8929
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Site Id:	53841
Affiliation Type:	Emergency Contact
Company Name:	W J TAYLOR INTERNATIONAL CONST
Contact Type:	Not reported
Contact Name:	WILLIAM J TAYLOR JR
Address1:	Not reported
Address2:	Not reported
City:	Not reported

W J TAYLOR INTERNATIONAL CONST (Continued) **U003317609**

State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(716) 847-8929
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TRANSLAT
Date Last Modified:	2004-03-04

Tank Info:

Tank Number:	1
Tank ID:	166005
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	1000
Install Date:	09/01/1985
Date Tank Closed:	07/01/1993
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0009
Common Name of Substance:	Gasoline
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	04/14/2017

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
D02 - Pipe Type - Galvanized Steel
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
G99 - Tank Secondary Containment - Other

Tank Number:	2
Tank ID:	166006
Tank Status:	Closed - Removed
Material Name:	Closed - Removed
Capacity Gallons:	1000
Install Date:	09/01/1985
Date Tank Closed:	07/01/1993
Registered:	True
Tank Location:	Underground
Tank Type:	Steel/carbon steel
Material Code:	0008
Common Name of Substance:	Diesel
Tightness Test Method:	NN
Date Test:	Not reported

W J TAYLOR INTERNATIONAL CONST (Continued) **U003317609**

Next Test Date:	Not reported
Pipe Model:	Not reported
Modified By:	TRANSLAT
Last Modified:	04/14/2017

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)
H00 - Tank Leak Detection - None
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
D02 - Pipe Type - Galvanized Steel
G99 - Tank Secondary Containment - Other
A00 - Tank Internal Protection - None

58
NW
1/4-1/2
0.298 mi.
1571 ft.

CITY OF BUFFALO HOUSING **NY LTANKS** **S104516087**
444 SENECA STREET **N/A**
BUFFALO, NY

Relative:
Lower

Actual:
586 ft.

LTANKS:

Facility ID:	9975514
Site ID:	216705
Closed Date:	2000-01-14
Spill Number:	9975514
Spill Date:	1999-11-12
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	C3
Cleanup Ceased:	Not reported
SWIS:	1502
Investigator:	SORGI
Referred To:	Not reported
Reported to Dept:	1999-11-12
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	1999-11-17
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	1999-11-12
Spill Record Last Update:	2000-01-26
Spiller Name:	FRED HEINLE
Spiller Company:	CITY OF BFLO, COMM DEVPMT
Spiller Address:	CITY HALL - ROOM 313
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	179427
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MJS 11/12/99: MJS TELECON WITH MIKE MUGAS AND TOOK INFORMATION. THE SITE OF THE NEW HOUSING IS FORMER INDUSTRIAL PROPERTY. CITY OF BUFFALO NOW BUILDING NEW HOUSES AND FOUND A 1500 GALLON TANK.

CITY OF BUFFALO HOUSING (Continued) **S104516087**

CONTAMINATED SOIL REMOVED AND SAMPLES TAKEN. SAMPLES INDICATE CONTAMINATION REMAINS. THEY WILL EXCAVATE ADDITIONAL SOILS NEXT WEEK. 11/12/99: MJS RECEIVED FAX OF SAMPLE RESULTS, HIGHEST IS 3080 PPB 1,2,4-TRIMETHYLBENZENE. APPROX 14 PPM TOTAL VOC'S (DIRECT METHOD). 11/17/99: MJS SITE INSPECTION, MET WITH MIKE MUGAS AND MIKE STEFFAN. THEY HAVE REMOVED THREE ADDITIONAL TRUCKLOADS OF SOIL AND WILL NEED TO REMOVE ONE ADDITIONAL LOAD OF SOIL FROM WALL CLOSEST TO SENECA STREET. MJS ADVISED THEM TO OBTAIN SEPARATE COMPOSITE SAMPLES FROM BOTTOM AND FROM SIDEWALLS AND ANALYZE VIA TCLP. 11/17/99: MJS SECOND SITE INSPECTION, MET WITH MIKE MUGAS. ADDITIONAL LOAD REMOVED FROM WALL BY SENECA ST AND HE HAS OBTAINED CONFIRMATORY SAMPLES. RESULTS WILL BE DUE ON MONDAY 11/22. 11/ /99: MJS TELECON WITH MIKE STEFFAN. SECOND ROUND OF SAMPLES STILL INDICATE LOW-LEVEL CONTAMINATION. THEY WILL REMOVE ADDITIONAL SOIL AGAIN AND SAMPLE FOR THIRD TIME. CITY OF BUFFALO NEEDS CLEAN CLOSURE (HOUSING DEVELOPMENT). 11/22/99: MJS RECEIVED FAX OF SECOND ROUND OF SAMPLING. BOTTOM SAMPLE HAS LOW-LEVEL HITS - HIGHEST IS 5.6 PPB (TCLP) N-BUTLYLBENZENE. SIDEWALLS - ONLY HIT IS 7.3 PPB (TCLP) 1,2,4-TRIMETHYLBENZENE 12/01/99: MJS TELECON FROM MIKE STEFFAN. ADDITIONAL SOIL REMOVED AND HE HAS RECEIVED RESULTS FROM THIRD ROUND SAMPLE AND THEY MEET STARS #1 STANDARDS. MJS ADVISED HIM WE NEED FINAL RESULTS AND DISPOSAL DOCUMENTATION TO ISSUE CLOSURE LETTER. 12/01/99: MJS RECEIVED FAX OF SAMPLE RESULTS AND CONFIRMED THAT TCLP RESULTS ARE BELOW GROUNDWATER STANDARDS. 12/21/99: MJS TELECON WITH MIKE STEFFAN. HE IS PREPARING REPORT AND WILL FORWARD WHEN COMPLETE. 01/03/00: MJS TELECON WITH MIKE STEFFAN. REPORT FORTHCOMING. 01/14/00: MJS RECEIVED CLOSURE REPORT FROM ECOLOGY & ENVIRONMENT ON 1/13. MJS REVIEWED REPORT, THIRD ROUND OF CONFIRMATORY SAMPLES ARE BELOW STARS #1 GUIDELINES, CLEAN CLOSURE. TOTAL OF 165.89 TONS SOIL DISPOSED AT MODERN LANDFILL, MODEL CITY. 700 GALLONS WATER DISPOSED BY BISON WASTE OIL. REPORT COMPLETE. MJS DRAFTED CLEAN CLOSURE LETTER TO CITY OF BUFFALO (RP)."

Remarks: "TANK REMOVAL. CONTAMINATED SOIL FOUND. "

All Materials:

Site ID:	216705
Operable Unit ID:	1093876
Operable Unit:	01
Material ID:	292079
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

59
ENE
1/4-1/2
0.302 mi.
1593 ft.

SAINT PATRICK VILLAGE
39 EMSLIE STREET
BUFFALO, NY

NY LTANKS **S102179737**
N/A

Relative: Higher

Actual: 589 ft.

LTANKS:

Facility ID:	9509352
Site ID:	272061
Closed Date:	1995-11-09

SAINT PATRICK VILLAGE (Continued) **S102179737**

Spill Number:	9509352
Spill Date:	1995-10-26
Spill Cause:	Tank Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	B3
Cleanup Ceased:	Not reported
SWIS:	1502
Investigator:	PRINGLE
Referred To:	Not reported
Reported to Dept:	1995-10-26
CID:	365
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	1995-10-30
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1995-10-27
Spill Record Last Update:	1995-11-17
Spiller Name:	JANET MEISELMAN
Spiller Company:	SAINT PATRICK VILLAGE,L.P
Spiller Address:	525 WASHINGTON STREET
Spiller County:	001
Spiller Contact:	JANET MEISELMAN
Spiller Phone:	(716) 856-4494
Spiller Extention:	3041
DEC Region:	9
DER Facility ID:	221428
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MNP 10/26/95: MNP TELECON W/ TOM SZUSTAKOWSKI - ADF CONSTRUCTION. (PH # 849-2706 OR MOBILE PH # 866-6637). ADF CONSTRUCTION, 455 COMMERCE, AMHERST, NY 14228-2388. SAMPLE RESULTS NOT IN YET ONLY HAVE VERBAL. ASKED HIM TO FAX RESULTS WHEN AVAILABLE & THEN WE'LL DISCUSS & THEN CHECK SITE. 10/27/95: MNP TELECON W/ TOM SZUSTAKOWSKI - ADF CONSTRUCTION. . SETUP SITE MEETING FOR 10/30/95 AT 10:30AM. 10/30/95: MNP INSP. & MEETING W/ TOM SZUSTAKOWSKI - ADF CONSTRUCTION & EVAN CASEY GREAT LAKES ENV. 2 UST' ON SITE FILLED W/ CONCRETE. REVIEWED SAMPLE RESULTS, UST #1 OK, UST #2 EXCEEDS EPA METHOD 8270 STARS MEMO #1 FOR DIRECT METHOD. CHECKED UST #2 LOCATION, BASEMENT FOOTERS & WALLS ALREADY BUILT AROUND & OVER AREA. ALSO, THEY HAVE EXCAVATED AN ADDITIONAL 2 FT. BELOW ORIGINAL TANK PIT BOTTOM. NO VISIBLE SHEEN OR CONTAMINATION. TO COLLECT SAMPLE FROM AREA & ANALYZE FOR TCLP EPA METHOD 8270 STARS MEMO #1. IF SAMPLE RESULTS ARE BELOW GUIDANCE VALUES, SITE WILL BE BE CLOSED & CONSTRUCTION MAY CONTINUE. OTHERWISE ADDITIONAL WORK MAY BE REQUIRED. EVAN CASEY GAVE ME COPY OF SAMPLE REPORT & PICTURES. TOM S. TO SEND ME SITE DRAWING W/ TANK LOCATION. 11/02/95: RECEIVED FAX SITE DRAWING SHOWING UST #2 LOCATION. 11/07/95: GREAT LAKES ENV. FAX OF ACTS SAMPLE RESULTS. NON-DETECT FOR TCLP EPA METHOD 8272 STARS MEMO #1. 11/09/95 MNP TELECON W/ TOM SZUSTAKOWSKI - ADF CONSTRUCTION. SAMPLE RESULT MEET NYSDEC GUIDANCE VALUES. OK TO PROCEED W/ CONSTRUCTION. TO DISPOSE OF TANK AS SCRAP & CONCRETE AS C & D MATERIAL, I AGREED. SENDING CLOSURE LETTER TO ST. PATRICK'S VILLAGE. NO FURTHER ACTION COMPLETE. "
Remarks:	"CONTRACTOR DISCOVERED TWO HEATING FUEL OIL TANKS WHILE EXCAVATING BASEMENTS FOR TOWNHOUSE CONSTRUCTION. RECEIVED SOIL ANALYSIS RESULTS, EXCEED DEC GUIDANCE VALUES."

SAINT PATRICK VILLAGE (Continued) **S102179737**

All Materials:

Site ID:	272061
Operable Unit ID:	1023567
Operable Unit:	01
Material ID:	360310
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

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60 East 1/4-1/2 0.322 mi. 1698 ft.

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY
822 SENECA STREET
BUFFALO, NY 14210

NY ENG CONTROLS **S110748433**
NY INST CONTROL **N/A**
NY BROWNFIELDS
NY Spills

Relative: Higher

Actual: 590 ft.

ENG CONTROLS:

Site Code:	444249
HW Code:	C915241
Control Code:	15
Control Type:	ENG
Date Record Added:	09/23/2014
Date Rec Updated:	12/29/2014
Updated By:	TLRIDNER
Site Description:	Location: The Former American Linen Supply Company Facility property is approximately 2.9 acres in size and is located at 822 Seneca Street in the City of Buffalo. The site is bounded to the north by Seymour Street, to the east by Lord Street, to the west by a vacant lot and commercial properties, and to the south by Seneca Street. Site Features: The site is located in an urban area of mixed residential (along Seymour and Lord Streets), commercial and industrial land use. The on-site building has been demolished. The site is completely fenced. A single family home located at 798 Seneca Street is surrounded by the site on three sides. Current Zoning and Land Use: The site is currently zoned for light industrial use. Past Use of the Site: The site was used as a book binding and printing facility from 1910 to 1978. Coverall Service and Supply Company, a uniform dry cleaning facility, operated from 1978 to 1985. Coverall changed their name to AmeriPride Services, Inc. in 1997. Records indicate that tetrachloroethylene (PCE) was used for drycleaning operations. A portion of the facility was used by Thorner Sydney Press until 1997.All laundry operations ceased in April 2004. In 2005, the site was used as a vehicle maintenance shop. The site has been unoccupied since 2005. The vacant industrial building was demolished in 2011 and 2012. In January 2014, the site was sold to Mill Race Commons, LLC. Site Geology and Hydrogeology: The site is generally flat. The unconsolidated geologic materials (soil) encountered at the site range in thickness from approximately 15 to greater than 20 feet thick. Soils at the site consist of historic fill materials (0.5 to 12 ft) overlying native soil. The fill materials include gravel, sand, silt, clay, ash, slag, and bricks, etc. A discrete layer of historic fill containing high ash content

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY (Continued) **S110748433**

was found between 3 and 6.5 feet bgs and reworked clay between 6.5 and 8 feet bgs in the dry cleaning area. The native soils below fill layer consist of lacustrine silt, clay, and till. Bedrock is approximately 20 ft below ground surface and consists of Devonian Onondaga Limestone. The depth of groundwater at the site varies from 2.75 ft. bgs to 10.5 ft. bgs and it flows south toward the Buffalo River, which is located less than one mile from the site.

Env Problem: Prior to the Interim Remedial Measure: The soil and groundwater conditions at the site were investigated during Phase II investigation by ENSR in 2005 and Remedial Investigation by Haley & Aldrich in 2013. Based upon investigations conducted to date, the primary contaminants of concern are chlorinated volatile organic compounds [tetrachloroethene (PCE), trichloroethene (TCE), cis-dichloroethene (cis-DCE), and vinyl chloride] related to the dry cleaning solvents, and metals and polycyclic aromatic hydrocarbons (PAHs) related to fill containing ash materials. Soil: PCE and its related chlorinated volatile organic compounds (VOCs) were found in several soil samples with the highest concentration of PCE at 43.5 ppm, significantly exceeding the soil cleanup objective (SCO) for protection of groundwater (1.3 ppm). The historic fill containing ash exceeded commercial SCOs for several metals and PAHs. The metals exceeding commercial SCOs were: arsenic at 34 ppm (SCO - 16 ppm), barium at 593 ppm (SCO - 400 ppm), copper at 301 ppm (SCO - 270 ppm) and mercury at 3.91 ppm (SCO - 2.8 ppm). The PAHs exceeding commercial SCOs were: benzo(a)anthracene at 7.18 ppm (SCO - 5.6 ppm), benzo(a)pyrene at 6.74 ppm (SCO - 1.0 ppm), benzo(b)fluoranthene at 8.16 ppm (SCO - 5.6 ppm) and dibenz(a,h)anthracene at 0.86 ppm (SCO - 0.56 ppm). On-site Sewer: Samples collected from the sewer vault showed VOCs (trimethylbenzenes, isopropylbenzene, naphthalene) and PAHs. The sewer vault and its connecting pipe to the sewer at Seneca Street were removed during the IRM. The vault's sewer connection was also decommissioned by the installation of a brick and mortar plug. Soil Vapor: Soil vapor sampling outside the 798 Seneca Street property showed petroleum hydrocarbons and chlorinated VOCs. Sub vapor intrusion samples were collected from inside the off-site residential property. The sample results were compared to NYSDOH guidance values and no additional sampling was determined warranted. Groundwater: Groundwater standards were exceeded for chlorinated VOCs [PCE, TCE, cis-DCE, and vinyl chloride], metals [iron, magnesium, and sodium], and PAHs [benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene] in overburden and bedrock wells. The highest concentrations of contaminants which exceeded groundwater standards were: PCE - 58 ppb (std. - 5 ppb), TCE 47 ppb (std. 5 ppb), cis-DCE -175 ppb (std. - 5 ppb), vinyl chloride - 103 ppb (Std. - 2 ppb), iron 10,500 ppb (Std. - 300 ppb), magnesium 244,000 ppb (std. - 35,000 ppb), sodium - 527,000 ppb (std. 20,000 ppb), benzo(b)fluoranthene 0.2 ppb (std. - 0.002 ppb), benzo(k)fluoranthene 0.07 ppb (std. - 0.002 ppb), chrysene 0.07 ppb (std. 0.002 ppb), and indeno(1,2,3-cd)pyrene 0.19 ppb (std. 0.002 ppb). Methyl tertiary butyl ether was found in one upgradient well near an old on-site gasoline storage tank area at 99 ppb. Post IRM Contamination: Soil: The levels of chlorinated VOCs in the dry cleaning area were found up to 280 ppm for PCE and 19 ppm for TCE. These concentrations are above the SCOs for the protection of groundwater. Concentrations of the chlorinated VOCs in the basement soil samples collected after removal of the basement floor slab were below the protection of groundwater SCOs. Site-related contaminants

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY (Continued) **S110748433**

	do not appear to be contributing to off-site environmental impacts that require additional investigation or remedial action. On-site Groundwater: Highest levels of chlorinated VOCs were: 120 ppb for cis-DCE and 60 ppb for vinyl chloride. No PCE and TCE were found in any of the on-site monitoring wells. Off-site Groundwater: Traces of TCE (1.8 ppb) and vinyl chloride (4.3 ppb) were found in off- site wells. Only vinyl chloride exceeded the groundwater standard. Remedial Action: Remedial Action activities were conducted in August 2014.Approximately 1295 tons of contaminated soil and fill was removed and disposed off at the permitted facilities.Post excavation samples met the protection of groundwater SCOs for the chlorinated VOCs. The site restoration consisted of placing demarcation layer over the remaining historic fill and covering it with 1-2 feet clean soil cover. The parking area was also repaired. The remaining groundwater contamination at the site will be monitored in accordance with the Site Management Plan, dated October 2014.
Health Problem:	The site is completely fenced, which restricts public access. However, persons who enter the site could contact contaminants in the soil by walking, digging or otherwise disturbing the soil in some areas of the site. People are not drinking the contaminated groundwater because the area is served by a public water supply that is not affected by this contamination. Volatile organic compounds in the groundwater may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. Because the site is vacant, the inhalation of site related contaminants due to soil vapor intrusion does not represent a current concern. The potential exists for the inhalation of site contaminants due to soil vapor intrusion for any future on?site development and occupancy. Furthermore, environmental sampling indicates soil vapor intrusion is not a concern for off-site buildings.
Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	2011-01-14 14:55:00
Record Upd:	2014-12-10 13:37:00
Updated By:	jswalia
Own Op:	Owner
Sub Type:	02
Owner Name:	Gary Kriner
Owner Company:	Mill Race Commons, LLC
Owner Address:	726 Exchange Street
Owner Addr2:	Suite 412
Owner City,St,Zip:	Buffalo, NY 14210
Owner Country:	United States of America
Own Op:	Applicant/Requestor
Sub Type:	P02
Owner Name:	Gary Kriner
Owner Company:	Mill Race Commons, LLC

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY (Continued) **S110748433**

Owner Address:	726 Exchange Street, Suite 412
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14210
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Mary Jean Jakubowski
Owner Company:	Buffalo & Erie County Public Library
Owner Address:	1 Lafayette Square
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14203-1887
Owner Country:	United States of America
HW Code:	C915241
Waste Type:	TETRACHLOROETHYLENE (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915241
Waste Type:	VINYL CHLORIDE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915241
Waste Type:	1,1 Dichloroethene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915241
Waste Type:	DICHLOROETHYLENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915241
Waste Type:	TRICHLOROETHENE (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915241
Waste Type:	tetrachloroethene (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915241
Waste Type:	Polycyclic Aromatic Hydrocarbons (PAHs), Total
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915241
Waste Type:	MERCURY
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915241
Waste Type:	ARSENIC
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915241
Waste Type:	COPPER
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915241
Waste Type:	Dichloroethene (cis-1,2-)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915241

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY (Continued) **S110748433**

Waste Type:	POLYCHLORINATED BIPHENYLS (PCB)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915241
Waste Type:	Petroleum Products
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915241
Waste Type:	LEAD
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	2015190958
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	2015-10-07 14:45:00
Record Updated:	2015-10-07 14:45:00
Updated By:	jswalia
Crossref ID:	C915241-03-11
Cross Ref Type Code:	23
Cross Ref Type:	Agreement/Consent Order Number
Record Added Date:	2014-10-17 10:47:00
Record Updated:	2014-10-17 10:47:00
Updated By:	jswalia
Crossref ID:	2014199447
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	2014-10-31 14:41:00
Record Updated:	2014-10-31 14:41:00
Updated By:	jswalia
Crossref ID:	05-17-2011
Cross Ref Type Code:	26
Cross Ref Type:	Agreement/Consent Order Date
Record Added Date:	2014-10-17 10:50:00
Record Updated:	2014-10-17 10:50:00
Updated By:	jswalia

INST CONTROL:

Site Code:	444249
Control Name:	Soil Management Plan
HW Code:	C915241
Control Code:	14
Control Type:	INST
Dt record added:	09/23/2014
Dt rec updated:	12/29/2014
Updated By:	TLRIDNER
Site Code:	444249
Site Description:	Location: The Former American Linen Supply Company Facility property is approximately 2.9 acres in size and is located at 822 Seneca Street in the City of Buffalo. The site is bounded to the north by Seymour Street, to the east by Lord Street, to the west by a vacant lot and commercial properties, and to the south by Seneca Street. Site Features: The site is located in an urban area of mixed residential (along Seymour and Lord Streets), commercial and industrial land use. The on-site building has been demolished. The site is completely fenced. A single family home located at 798 Seneca Street is surrounded by the site on three sides. Current Zoning and Land Use: The site is currently zoned for light industrial use. Past

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY (Continued) **S110748433**

Use of the Site: The site was used as a book binding and printing facility from 1910 to 1978. Coverall Service and Supply Company, a uniform dry cleaning facility, operated from 1978 to 1985. Coverall changed their name to AmeriPride Services, Inc. in 1997. Records indicate that tetrachloroethylene (PCE) was used for drycleaning operations. A portion of the facility was used by Thorner Sydney Press until 1997.All laundry operations ceased in April 2004. In 2005, the site was used as a vehicle maintenance shop. The site has been unoccupied since 2005. The vacant industrial building was demolished in 2011 and 2012. In January 2014, the site was sold to Mill Race Commons, LLC. Site Geology and Hydrogeology: The site is generally flat. The unconsolidated geologic materials (soil) encountered at the site range in thickness from approximately 15 to greater than 20 feet thick. Soils at the site consist of historic fill materials (0.5 to 12 ft) overlying native soil. The fill materials include gravel, sand, silt, clay, ash, slag, and bricks, etc. A discrete layer of historic fill containing high ash content was found between 3 and 6.5 feet bgs and reworked clay between 6.5 and 8 feet bgs in the dry cleaning area. The native soils below fill layer consist of lacustrine silt, clay, and till. Bedrock is approximately 20 ft below ground surface and consists of Devonian Onondaga Limestone. The depth of groundwater at the site varies from 2.75 ft. bgs to 10.5 ft. bgs and it flows south toward the Buffalo River, which is located less than one mile from the site.

Env Problem: Prior to the Interim Remedial Measure: The soil and groundwater conditions at the site were investigated during Phase II investigation by ENSR in 2005 and Remedial Investigation by Haley & Aldrich in 2013. Based upon investigations conducted to date, the primary contaminants of concern are chlorinated volatile organic compounds [tetrachloroethene (PCE), trichloroethene (TCE), cis-dichloroethene (cis-DCE), and vinyl chloride] related to the dry cleaning solvents, and metals and polycyclic aromatic hydrocarbons (PAHs) related to fill containing ash materials. Soil: PCE and its related chlorinated volatile organic compounds (VOCs) were found in several soil samples with the highest concentration of PCE at 43.5 ppm, significantly exceeding the soil cleanup objective (SCO) for protection of groundwater (1.3 ppm). The historic fill containing ash exceeded commercial SCOs for several metals and PAHs. The metals exceeding commercial SCOs were: arsenic at 34 ppm (SCO - 16 ppm), barium at 593 ppm (SCO - 400 ppm), copper at 301 ppm (SCO - 270 ppm) and mercury at 3.91 ppm (SCO - 2.8 ppm). The PAHs exceeding commercial SCOs were: benzo(a)anthracene at 7.18 ppm (SCO - 5.6 ppm), benzo(a)pyrene at 6.74 ppm (SCO - 1.0 ppm), benzo(b)fluoranthene at 8.16 ppm (SCO - 5.6 ppm) and dibenz(a,h)anthracene at 0.86 ppm (SCO - 0.56 ppm). On-site Sewer: Samples collected from the sewer vault showed VOCs (trimethylbenzenes, isopropylbenzene, naphthalene) and PAHs. The sewer vault and its connecting pipe to the sewer at Seneca Street were removed during the IRM. The vault’s sewer connection was also decommissioned by the installation of a brick and mortar plug. Soil Vapor: Soil vapor sampling outside the 798 Seneca Street property showed petroleum hydrocarbons and chlorinated VOCs. Sub vapor intrusion samples were collected from inside the off-site residential property. The sample results were compared to NYSDOH guidance values and no additional sampling was determined warranted. Groundwater: Groundwater standards were exceeded for chlorinated VOCs [PCE, TCE, cis-DCE, and vinyl chloride], metals [iron, magnesium, and sodium], and PAHs [benzo(b)fluoranthene, benzo(k)fluoranthene,

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY (Continued) **S110748433**

chrysene, and indeno(1,2,3-cd)pyrene] in overburden and bedrock wells. The highest concentrations of contaminants which exceeded groundwater standards were: PCE - 58 ppb (std. - 5 ppb), TCE 47 ppb (std. 5 ppb), cis-DCE -175 ppb (std. - 5 ppb), vinyl chloride - 103 ppb (Std. - 2 ppb), iron 10,500 ppb (Std. - 300 ppb), magnesium 244,000 ppb (std. - 35,000 ppb), sodium - 527,000 ppb (std. 20,000 ppb), benzo(b)fluoranthene 0.2 ppb (std. - 0.002 ppb), benzo(k)fluoranthene 0.07 ppb (std. - 0.002 ppb), chrysene 0.07 ppb (std. 0.002 ppb), and indeno(1,2,3-cd)pyrene 0.19 ppb (std. 0.002 ppb). Methyl tertiary butyl ether was found in one upgradient well near an old on-site gasoline storage tank area at 99 ppb. Post IRM Contamination: Soil: The levels of chlorinated VOCs in the dry cleaning area were found up to 280 ppm for PCE and 19 ppm for TCE. These concentrations are above the SCOs for the protection of groundwater. Concentrations of the chlorinated VOCs in the basement soil samples collected after removal of the basement floor slab were below the protection of groundwater SCOs. Site-related contaminants do not appear to be contributing to off-site environmental impacts that require additional investigation or remedial action. On-site Groundwater: Highest levels of chlorinated VOCs were: 120 ppb for cis-DCE and 60 ppb for vinyl chloride. No PCE and TCE were found in any of the on-site monitoring wells. Off-site Groundwater: Traces of TCE (1.8 ppb) and vinyl chloride (4.3 ppb) were found in off- site wells. Only vinyl chloride exceeded the groundwater standard. Remedial Action: Remedial Action activities were conducted in August 2014.Approximately 1295 tons of contaminated soil and fill was removed and disposed off at the permitted facilities.Post excavation samples met the protection of groundwater SCOs for the chlorinated VOCs. The site restoration consisted of placing demarcation layer over the remaining historic fill and covering it with 1-2 feet clean soil cover. The parking area was also repaired. The remaining groundwater contamination at the site will be monitored in accordance with the Site Management Plan, dated October 2014.

Health Problem: The site is completely fenced, which restricts public access. However, persons who enter the site could contact contaminants in the soil by walking, digging or otherwise disturbing the soil in some areas of the site. People are not drinking the contaminated groundwater because the area is served by a public water supply that is not affected by this contamination. Volatile organic compounds in the groundwater may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. Because the site is vacant, the inhalation of site related contaminants due to soil vapor intrusion does not represent a current concern. The potential exists for the inhalation of site contaminants due to soil vapor intrusion for any future on?site development and occupancy. Furthermore, environmental sampling indicates soil vapor intrusion is not a concern for off-site buildings.

Dump: False
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY (Continued) **S110748433**

Lat/Long: Not reported
Dell: Not reported
Record Add: 2011-01-14 14:55:00
Record Upd: 2014-12-10 13:37:00
Updated By: jswalia
Own Op: Owner
Sub Type: 02
Owner Name: Gary Kriner
Owner Company: Mill Race Commons, LLC
Owner Address: 726 Exchange Street
Owner Addr2: Suite 412
Owner City,St,Zip: Buffalo, NY 14210
Owner Country: United States of America
Own Op: Applicant/Requestor
Sub Type: P02
Owner Name: Gary Kriner
Owner Company: Mill Race Commons, LLC
Owner Address: 726 Exchange Street, Suite 412
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14210
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Mary Jean Jakubowski
Owner Company: Buffalo & Erie County Public Library
Owner Address: 1 Lafayette Square
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14203-1887
Owner Country: United States of America
HW Code: C915241
Waste Type: TETRACHLOROETHYLENE (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: VINYL CHLORIDE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: 1,1 Dichloroethene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: DICHLOROETHYLENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: TRICHLOROETHENE (TCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: tetrachloroethene (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: Polycyclic Aromatic Hydrocarbons (PAHs), Total
Waste Quantity: UNKNOWN
Waste Code: Not reported

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY (Continued) **S110748433**

HW Code: C915241
Waste Type: MERCURY
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: ARSENIC
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: COPPER
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: Dichloroethene (cis-1,2-)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: POLYCHLORINATED BIPHENYLS (PCB)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: Petroleum Products
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: LEAD
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: 2015190958
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2015-10-07 14:45:00
Record Updated: 2015-10-07 14:45:00
Updated By: jswalia
Crossref ID: C915241-03-11
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 2014-10-17 10:47:00
Record Updated: 2014-10-17 10:47:00
Updated By: jswalia
Crossref ID: 2014199447
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2014-10-31 14:41:00
Record Updated: 2014-10-31 14:41:00
Updated By: jswalia
Crossref ID: 05-17-2011
Cross Ref Type Code: 26
Cross Ref Type: Agreement/Consent Order Date
Record Added Date: 2014-10-17 10:50:00
Record Updated: 2014-10-17 10:50:00
Updated By: jswalia

Site Code: 444249
Control Name: Environmental Easement
HW Code: C915241
Control Code: J

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY (Continued) **S110748433**

Control Type: INST
Dt record added: 09/23/2014
Dt rec updated: 12/29/2014
Updated By: TLRIDNER
Site Code: 444249
Site Description: Location: The Former American Linen Supply Company Facility property is approximately 2.9 acres in size and is located at 822 Seneca Street in the City of Buffalo. The site is bounded to the north by Seymour Street, to the east by Lord Street, to the west by a vacant lot and commercial properties, and to the south by Seneca Street. Site Features: The site is located in an urban area of mixed residential (along Seymour and Lord Streets), commercial and industrial land use. The on-site building has been demolished. The site is completely fenced. A single family home located at 798 Seneca Street is surrounded by the site on three sides. Current Zoning and Land Use: The site is currently zoned for light industrial use. Past Use of the Site: The site was used as a book binding and printing facility from 1910 to 1978. Coverall Service and Supply Company, a uniform dry cleaning facility, operated from 1978 to 1985. Coverall changed their name to AmeriPride Services, Inc. in 1997. Records indicate that tetrachloroethylene (PCE) was used for drycleaning operations. A portion of the facility was used by Thorner Sydney Press until 1997.All laundry operations ceased in April 2004. In 2005, the site was used as a vehicle maintenance shop. The site has been unoccupied since 2005. The vacant industrial building was demolished in 2011 and 2012. In January 2014, the site was sold to Mill Race Commons, LLC. Site Geology and Hydrogeology: The site is generally flat. The unconsolidated geologic materials (soil) encountered at the site range in thickness from approximately 15 to greater than 20 feet thick. Soils at the site consist of historic fill materials (0.5 to 12 ft) overlying native soil. The fill materials include gravel, sand, silt, clay, ash, slag, and bricks, etc. A discrete layer of historic fill containing high ash content was found between 3 and 6.5 feet bgs and reworked clay between 6.5 and 8 feet bgs in the dry cleaning area. The native soils below fill layer consist of lacustrine silt, clay, and till. Bedrock is approximately 20 ft below ground surface and consists of Devonian Onondaga Limestone. The depth of groundwater at the site varies from 2.75 ft. bgs to 10.5 ft. bgs and it flows south toward the Buffalo River, which is located less than one mile from the site.
Env Problem: Prior to the Interim Remedial Measure: The soil and groundwater conditions at the site were investigated during Phase II investigation by ENSR in 2005 and Remedial Investigation by Haley & Aldrich in 2013. Based upon investigations conducted to date, the primary contaminants of concern are chlorinated volatile organic compounds [tetrachloroethene (PCE), trichloroethene (TCE), cis-dichloroethene (cis-DCE), and vinyl chloride] related to the dry cleaning solvents, and metals and polycyclic aromatic hydrocarbons (PAHs) related to fill containing ash materials. Soil: PCE and its related chlorinated volatile organic compounds (VOCs) were found in several soil samples with the highest concentration of PCE at 43.5 ppm, significantly exceeding the soil cleanup objective (SCO) for protection of groundwater (1.3 ppm). The historic fill containing ash exceeded commercial SCOs for several metals and PAHs. The metals exceeding commercial SCOs were: arsenic at 34 ppm (SCO - 16 ppm), barium at 593 ppm (SCO - 400 ppm), copper at 301 ppm (SCO - 270 ppm) and mercury at 3.91 ppm (SCO - 2.8 ppm). The PAHs exceeding

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY (Continued) **S110748433**

commercial SCOs were: benzo(a)anthracene at 7.18 ppm (SCO - 5.6 ppm), benzo(a)pyrene at 6.74 ppm (SCO - 1.0 ppm), benzo(b)fluoranthene at 8.16 ppm (SCO - 5.6 ppm) and dibenz(a,h)anthracene at 0.86 ppm (SCO - 0.56 ppm). On-site Sewer: Samples collected from the sewer vault showed VOCs (trimethylbenzenes, isopropylbenzene, naphthalene) and PAHs. The sewer vault and its connecting pipe to the sewer at Seneca Street were removed during the IRM. The vault's sewer connection was also decommissioned by the installation of a brick and mortar plug. Soil Vapor: Soil vapor sampling outside the 798 Seneca Street property showed petroleum hydrocarbons and chlorinated VOCs. Sub vapor intrusion samples were collected from inside the off-site residential property. The sample results were compared to NYSDOH guidance values and no additional sampling was determined warranted. Groundwater: Groundwater standards were exceeded for chlorinated VOCs [PCE, TCE, cis-DCE, and vinyl chloride], metals [iron, magnesium, and sodium], and PAHs [benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene] in overburden and bedrock wells. The highest concentrations of contaminants which exceeded groundwater standards were: PCE - 58 ppb (std. - 5 ppb), TCE 47 ppb (std. 5 ppb), cis-DCE -175 ppb (std. - 5 ppb), vinyl chloride - 103 ppb (Std. - 2 ppb), iron 10,500 ppb (Std. - 300 ppb), magnesium 244,000 ppb (std. - 35,000 ppb), sodium - 527,000 ppb (std. 20,000 ppb), benzo(b)fluoranthene 0.2 ppb (std. - 0.002 ppb), benzo(k)fluoranthene 0.07 ppb (std. - 0.002 ppb), chrysene 0.07 ppb (std. 0.002 ppb), and indeno(1,2,3-cd)pyrene 0.19 ppb (std. 0.002 ppb). Methyl tertiary butyl ether was found in one upgradient well near an old on-site gasoline storage tank area at 99 ppb. Post IRM Contamination: Soil: The levels of chlorinated VOCs in the dry cleaning area were found up to 280 ppm for PCE and 19 ppm for TCE. These concentrations are above the SCOs for the protection of groundwater. Concentrations of the chlorinated VOCs in the basement soil samples collected after removal of the basement floor slab were below the protection of groundwater SCOs. Site-related contaminants do not appear to be contributing to off-site environmental impacts that require additional investigation or remedial action. On-site Groundwater: Highest levels of chlorinated VOCs were: 120 ppb for cis-DCE and 60 ppb for vinyl chloride. No PCE and TCE were found in any of the on-site monitoring wells. Off-site Groundwater: Traces of TCE (1.8 ppb) and vinyl chloride (4.3 ppb) were found in off- site wells. Only vinyl chloride exceeded the groundwater standard. Remedial Action: Remedial Action activities were conducted in August 2014.Approximately 1295 tons of contaminated soil and fill was removed and disposed off at the permitted facilities.Post excavation samples met the protection of groundwater SCOs for the chlorinated VOCs. The site restoration consisted of placing demarcation layer over the remaining historic fill and covering it with 1-2 feet clean soil cover. The parking area was also repaired. The remaining groundwater contamination at the site will be monitored in accordance with the Site Management Plan, dated October 2014.

Health Problem: The site is completely fenced, which restricts public access. However, persons who enter the site could contact contaminants in the soil by walking, digging or otherwise disturbing the soil in some areas of the site. People are not drinking the contaminated groundwater because the area is served by a public water supply that is not affected by this contamination. Volatile organic compounds in the groundwater may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY (Continued) **S110748433**

indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. Because the site is vacant, the inhalation of site related contaminants due to soil vapor intrusion does not represent a current concern. The potential exists for the inhalation of site contaminants due to soil vapor intrusion for any future on?site development and occupancy. Furthermore, environmental sampling indicates soil vapor intrusion is not a concern for off-site buildings.

Dump: False
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 2011-01-14 14:55:00
Record Upd: 2014-12-10 13:37:00
Updated By: jswalia
Own Op: Owner
Sub Type: 02
Owner Name: Gary Kriner
Owner Company: Mill Race Commons, LLC
Owner Address: 726 Exchange Street
Owner Addr2: Suite 412
Owner City,St,Zip: Buffalo, NY 14210
Owner Country: United States of America
Own Op: Applicant/Requestor
Sub Type: P02
Owner Name: Gary Kriner
Owner Company: Mill Race Commons, LLC
Owner Address: 726 Exchange Street, Suite 412
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14210
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Mary Jean Jakubowski
Owner Company: Buffalo & Erie County Public Library
Owner Address: 1 Lafayette Square
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14203-1887
Owner Country: United States of America
HW Code: C915241
Waste Type: TETRACHLOROETHYLENE (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: VINYL CHLORIDE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: 1,1 Dichloroethene
Waste Quantity: UNKNOWN
Waste Code: Not reported

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY (Continued) **S110748433**

HW Code: C915241
Waste Type: DICHLOROETHYLENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: TRICHLOROETHENE (TCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: tetrachloroethene (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: Polycyclic Aromatic Hydrocarbons (PAHs), Total
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: MERCURY
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: ARSENIC
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: COPPER
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: Dichloroethene (cis-1,2-)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: POLYCHLORINATED BIPHENYLS (PCB)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: Petroleum Products
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: LEAD
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: 2015190958
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2015-10-07 14:45:00
Record Updated: 2015-10-07 14:45:00
Updated By: jswalia
Crossref ID: C915241-03-11
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 2014-10-17 10:47:00
Record Updated: 2014-10-17 10:47:00
Updated By: jswalia
Crossref ID: 2014199447

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY (Continued) **S110748433**

Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2014-10-31 14:41:00
Record Updated: 2014-10-31 14:41:00
Updated By: jswalia
Crossref ID: 05-17-2011
Cross Ref Type Code: 26
Cross Ref Type: Agreement/Consent Order Date
Record Added Date: 2014-10-17 10:50:00
Record Updated: 2014-10-17 10:50:00
Updated By: jswalia

Site Code: 444249
Control Name: IC/EC Plan
HW Code: C915241
Control Code: 34
Control Type: INST
Dt record added: 09/23/2014
Dt rec updated: 12/29/2014
Updated By: TLRIDNER
Site Code: 444249
Site Description: Location: The Former American Linen Supply Company Facility property is approximately 2.9 acres in size and is located at 822 Seneca Street in the City of Buffalo. The site is bounded to the north by Seymour Street, to the east by Lord Street, to the west by a vacant lot and commercial properties, and to the south by Seneca Street. Site Features: The site is located in an urban area of mixed residential (along Seymour and Lord Streets), commercial and industrial land use. The on-site building has been demolished. The site is completely fenced. A single family home located at 798 Seneca Street is surrounded by the site on three sides. Current Zoning and Land Use: The site is currently zoned for light industrial use. Past Use of the Site: The site was used as a book binding and printing facility from 1910 to 1978. Coverall Service and Supply Company, a uniform dry cleaning facility, operated from 1978 to 1985. Coverall changed their name to AmeriPride Services, Inc. in 1997. Records indicate that tetrachloroethylene (PCE) was used for drycleaning operations. A portion of the facility was used by Thorner Sydney Press until 1997.All laundry operations ceased in April 2004. In 2005, the site was used as a vehicle maintenance shop. The site has been unoccupied since 2005. The vacant industrial building was demolished in 2011 and 2012. In January 2014, the site was sold to Mill Race Commons, LLC. Site Geology and Hydrogeology: The site is generally flat. The unconsolidated geologic materials (soil) encountered at the site range in thickness from approximately 15 to greater than 20 feet thick. Soils at the site consist of historic fill materials (0.5 to 12 ft) overlying native soil. The fill materials include gravel, sand, silt, clay, ash, slag, and bricks, etc. A discrete layer of historic fill containing high ash content was found between 3 and 6.5 feet bgs and reworked clay between 6.5 and 8 feet bgs in the dry cleaning area. The native soils below fill layer consist of lacustrine silt, clay, and till. Bedrock is approximately 20 ft below ground surface and consists of Devonian Onondaga Limestone. The depth of groundwater at the site varies from 2.75 ft. bgs to 10.5 ft. bgs and it flows south toward the Buffalo River, which is located less than one mile from the site.
Env Problem: Prior to the Interim Remedial Measure: The soil and groundwater

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY (Continued) **S110748433**

conditions at the site were investigated during Phase II investigation by ENSR in 2005 and Remedial Investigation by Haley & Aldrich in 2013. Based upon investigations conducted to date, the primary contaminants of concern are chlorinated volatile organic compounds [tetrachloroethene (PCE), trichloroethene (TCE), cis-dichloroethene (cis-DCE), and vinyl chloride] related to the dry cleaning solvents, and metals and polycyclic aromatic hydrocarbons (PAHs) related to fill containing ash materials. Soil: PCE and its related chlorinated volatile organic compounds (VOCs) were found in several soil samples with the highest concentration of PCE at 43.5 ppm, significantly exceeding the soil cleanup objective (SCO) for protection of groundwater (1.3 ppm). The historic fill containing ash exceeded commercial SCOs for several metals and PAHs. The metals exceeding commercial SCOs were: arsenic at 34 ppm (SCO - 16 ppm), barium at 593 ppm (SCO - 400 ppm), copper at 301 ppm (SCO - 270 ppm) and mercury at 3.91 ppm (SCO - 2.8 ppm). The PAHs exceeding commercial SCOs were: benzo(a)anthracene at 7.18 ppm (SCO - 5.6 ppm), benzo(a)pyrene at 6.74 ppm (SCO - 1.0 ppm), benzo(b)fluoranthene at 8.16 ppm (SCO - 5.6 ppm) and dibenz(a,h)anthracene at 0.86 ppm (SCO - 0.56 ppm). On-site Sewer: Samples collected from the sewer vault showed VOCs (trimethylbenzenes, isopropylbenzene, naphthalene) and PAHs. The sewer vault and its connecting pipe to the sewer at Seneca Street were removed during the IRM. The vault's sewer connection was also decommissioned by the installation of a brick and mortar plug. Soil Vapor: Soil vapor sampling outside the 798 Seneca Street property showed petroleum hydrocarbons and chlorinated VOCs. Sub vapor intrusion samples were collected from inside the off-site residential property. The sample results were compared to NYSDOH guidance values and no additional sampling was determined warranted. Groundwater: Groundwater standards were exceeded for chlorinated VOCs [PCE, TCE, cis-DCE, and vinyl chloride], metals [iron, magnesium, and sodium], and PAHs [benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene] in overburden and bedrock wells. The highest concentrations of contaminants which exceeded groundwater standards were: PCE - 58 ppb (std. - 5 ppb), TCE 47 ppb (std. 5 ppb), cis-DCE -175 ppb (std. - 5 ppb), vinyl chloride - 103 ppb (Std. - 2 ppb), iron 10,500 ppb (Std. - 300 ppb), magnesium 244,000 ppb (std. - 35,000 ppb), sodium - 527,000 ppb (std. 20,000 ppb), benzo(b)fluoranthene 0.2 ppb (std. - 0.002 ppb), benzo(k)fluoranthene 0.07 ppb (std. - 0.002 ppb), chrysene 0.07 ppb (std. 0.002 ppb), and indeno(1,2,3-cd)pyrene 0.19 ppb (std. 0.002 ppb). Methyl tertiary butyl ether was found in one upgradient well near an old on-site gasoline storage tank area at 99 ppb. Post IRM Contamination: Soil: The levels of chlorinated VOCs in the dry cleaning area were found up to 280 ppm for PCE and 19 ppm for TCE. These concentrations are above the SCOs for the protection of groundwater. Concentrations of the chlorinated VOCs in the basement soil samples collected after removal of the basement floor slab were below the protection of groundwater SCOs. Site-related contaminants do not appear to be contributing to off-site environmental impacts that require additional investigation or remedial action. On-site Groundwater: Highest levels of chlorinated VOCs were: 120 ppb for cis-DCE and 60 ppb for vinyl chloride. No PCE and TCE were found in any of the on-site monitoring wells. Off-site Groundwater: Traces of TCE (1.8 ppb) and vinyl chloride (4.3 ppb) were found in off- site wells. Only vinyl chloride exceeded the groundwater standard. Remedial Action: Remedial Action activities were conducted in August

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY (Continued) **S110748433**

2014.Approximately 1295 tons of contaminated soil and fill was removed and disposed off at the permitted facilities.Post excavation samples met the protection of groundwater SCOs for the chlorinated VOCs. The site restoration consisted of placing demarcation layer over the remaining historic fill and covering it with 1-2 feet clean soil cover. The parking area was also repaired. The remaining groundwater contamination at the site will be monitored in accordance with the Site Management Plan, dated October 2014.

Health Problem: The site is completely fenced, which restricts public access. However, persons who enter the site could contact contaminants in the soil by walking, digging or otherwise disturbing the soil in some areas of the site. People are not drinking the contaminated groundwater because the area is served by a public water supply that is not affected by this contamination. Volatile organic compounds in the groundwater may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. Because the site is vacant, the inhalation of site related contaminants due to soil vapor intrusion does not represent a current concern. The potential exists for the inhalation of site contaminants due to soil vapor intrusion for any future on?site development and occupancy. Furthermore, environmental sampling indicates soil vapor intrusion is not a concern for off-site buildings.

Dump: False
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 2011-01-14 14:55:00
Record Upd: 2014-12-10 13:37:00
Updated By: jswalia
Own Op: Owner
Sub Type: 02
Owner Name: Gary Kriner
Owner Company: Mill Race Commons, LLC
Owner Address: 726 Exchange Street
Owner Addr2: Suite 412
Owner City,St,Zip: Buffalo, NY 14210
Owner Country: United States of America
Own Op: Applicant/Requestor
Sub Type: P02
Owner Name: Gary Kriner
Owner Company: Mill Race Commons, LLC
Owner Address: 726 Exchange Street, Suite 412
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14210
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Mary Jean Jakubowski
Owner Company: Buffalo & Erie County Public Library

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY (Continued) **S110748433**

Owner Address: 1 Lafayette Square
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14203-1887
Owner Country: United States of America
HW Code: C915241
Waste Type: TETRACHLOROETHYLENE (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: VINYL CHLORIDE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: 1,1 Dichloroethene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: DICHLOROETHYLENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: TRICHLOROETHENE (TCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: tetrachloroethene (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: Polycyclic Aromatic Hydrocarbons (PAHs), Total
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: MERCURY
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: ARSENIC
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: COPPER
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: Dichloroethene (cis-1,2-)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: POLYCHLORINATED BIPHENYLS (PCB)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: Petroleum Products
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY (Continued) **S110748433**

Waste Type: LEAD
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: 2015190958
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2015-10-07 14:45:00
Record Updated: 2015-10-07 14:45:00
Updated By: jswalia
Crossref ID: C915241-03-11
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 2014-10-17 10:47:00
Record Updated: 2014-10-17 10:47:00
Updated By: jswalia
Crossref ID: 2014199447
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2014-10-31 14:41:00
Record Updated: 2014-10-31 14:41:00
Updated By: jswalia
Crossref ID: 05-17-2011
Cross Ref Type Code: 26
Cross Ref Type: Agreement/Consent Order Date
Record Added Date: 2014-10-17 10:50:00
Record Updated: 2014-10-17 10:50:00
Updated By: jswalia

Site Code: 444249
Control Name: Site Management Plan
HW Code: C915241
Control Code: 32
Control Type: INST
Dt record added: 09/23/2014
Dt rec updated: 12/29/2014
Updated By: TLRIDNER
Site Code: 444249
Site Description: Location: The Former American Linen Supply Company Facility property is approximately 2.9 acres in size and is located at 822 Seneca Street in the City of Buffalo. The site is bounded to the north by Seymour Street, to the east by Lord Street, to the west by a vacant lot and commercial properties, and to the south by Seneca Street. Site Features: The site is located in an urban area of mixed residential (along Seymour and Lord Streets), commercial and industrial land use. The on-site building has been demolished. The site is completely fenced. A single family home located at 798 Seneca Street is surrounded by the site on three sides. Current Zoning and Land Use: The site is currently zoned for light industrial use. Past Use of the Site: The site was used as a book binding and printing facility from 1910 to 1978. Coverall Service and Supply Company, a uniform dry cleaning facility, operated from 1978 to 1985. Coverall changed their name to AmeriPride Services, Inc. in 1997. Records indicate that tetrachloroethylene (PCE) was used for drycleaning operations. A portion of the facility was used by Thorner Sydney Press until 1997.All laundry operations ceased in April 2004. In 2005, the site was used as a vehicle maintenance shop. The site has been unoccupied since 2005. The vacant industrial building was

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY (Continued) **S110748433**

demolished in 2011 and 2012. In January 2014, the site was sold to Mill Race Commons, LLC. Site Geology and Hydrogeology: The site is generally flat. The unconsolidated geologic materials (soil) encountered at the site range in thickness from approximately 15 to greater than 20 feet thick. Soils at the site consist of historic fill materials (0.5 to 12 ft) overlying native soil. The fill materials include gravel, sand, silt, clay, ash, slag, and bricks, etc. A discrete layer of historic fill containing high ash content was found between 3 and 6.5 feet bgs and reworked clay between 6.5 and 8 feet bgs in the dry cleaning area. The native soils below fill layer consist of lacustrine silt, clay, and till. Bedrock is approximately 20 ft below ground surface and consists of Devonian Onondaga Limestone. The depth of groundwater at the site varies from 2.75 ft. bgs to 10.5 ft. bgs and it flows south toward the Buffalo River, which is located less than one mile from the site.

Env Problem: Prior to the Interim Remedial Measure: The soil and groundwater conditions at the site were investigated during Phase II investigation by ENSR in 2005 and Remedial Investigation by Haley & Aldrich in 2013. Based upon investigations conducted to date, the primary contaminants of concern are chlorinated volatile organic compounds [tetrachloroethene (PCE), trichloroethene (TCE), cis-dichloroethene (cis-DCE), and vinyl chloride] related to the dry cleaning solvents, and metals and polycyclic aromatic hydrocarbons (PAHs) related to fill containing ash materials. Soil: PCE and its related chlorinated volatile organic compounds (VOCs) were found in several soil samples with the highest concentration of PCE at 43.5 ppm, significantly exceeding the soil cleanup objective (SCO) for protection of groundwater (1.3 ppm). The historic fill containing ash exceeded commercial SCOs for several metals and PAHs. The metals exceeding commercial SCOs were: arsenic at 34 ppm (SCO - 16 ppm), barium at 593 ppm (SCO - 400 ppm), copper at 301 ppm (SCO - 270 ppm) and mercury at 3.91 ppm (SCO - 2.8 ppm). The PAHs exceeding commercial SCOs were: benzo(a)anthracene at 7.18 ppm (SCO - 5.6 ppm), benzo(a)pyrene at 6.74 ppm (SCO - 1.0 ppm), benzo(b)fluoranthene at 8.16 ppm (SCO - 5.6 ppm) and dibenz(a,h)anthracene at 0.86 ppm (SCO - 0.56 ppm). On-site Sewer: Samples collected from the sewer vault showed VOCs (trimethylbenzenes, isopropylbenzene, naphthalene) and PAHs. The sewer vault and its connecting pipe to the sewer at Seneca Street were removed during the IRM. The vault's sewer connection was also decommissioned by the installation of a brick and mortar plug. Soil Vapor: Soil vapor sampling outside the 798 Seneca Street property showed petroleum hydrocarbons and chlorinated VOCs. Sub vapor intrusion samples were collected from inside the off-site residential property. The sample results were compared to NYSDOH guidance values and no additional sampling was determined warranted. Groundwater: Groundwater standards were exceeded for chlorinated VOCs [PCE, TCE, cis-DCE, and vinyl chloride], metals [iron, magnesium, and sodium], and PAHs [benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene] in overburden and bedrock wells. The highest concentrations of contaminants which exceeded groundwater standards were: PCE - 58 ppb (std. - 5 ppb), TCE 47 ppb (std. 5 ppb), cis-DCE -175 ppb (std. - 5 ppb), vinyl chloride - 103 ppb (Std. - 2 ppb), iron 10,500 ppb (Std. - 300 ppb), magnesium 244,000 ppb (std. - 35,000 ppb), sodium - 527,000 ppb (std. 20,000 ppb), benzo(b)fluoranthene 0.2 ppb (std. - 0.002 ppb), benzo(k)fluoranthene 0.07 ppb (std. - 0.002 ppb), chrysene 0.07 ppb (std. 0.002 ppb), and indeno(1,2,3-cd)pyrene 0.19 ppb (std. 0.002

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY (Continued) **S110748433**

ppb). Methyl tertiary butyl ether was found in one upgradient well near an old on-site gasoline storage tank area at 99 ppb. Post IRM Contamination: Soil: The levels of chlorinated VOCs in the dry cleaning area were found up to 280 ppm for PCE and 19 ppm for TCE. These concentrations are above the SCOs for the protection of groundwater. Concentrations of the chlorinated VOCs in the basement soil samples collected after removal of the basement floor slab were below the protection of groundwater SCOs. Site-related contaminants do not appear to be contributing to off-site environmental impacts that require additional investigation or remedial action. On-site Groundwater: Highest levels of chlorinated VOCs were: 120 ppb for cis-DCE and 60 ppb for vinyl chloride. No PCE and TCE were found in any of the on-site monitoring wells. Off-site Groundwater: Traces of TCE (1.8 ppb) and vinyl chloride (4.3 ppb) were found in off- site wells. Only vinyl chloride exceeded the groundwater standard. Remedial Action: Remedial Action activities were conducted in August 2014.Approximately 1295 tons of contaminated soil and fill was removed and disposed off at the permitted facilities.Post excavation samples met the protection of groundwater SCOs for the chlorinated VOCs. The site restoration consisted of placing demarcation layer over the remaining historic fill and covering it with 1-2 feet clean soil cover. The parking area was also repaired. The remaining groundwater contamination at the site will be monitored in accordance with the Site Management Plan, dated October 2014.

Health Problem: The site is completely fenced, which restricts public access. However, persons who enter the site could contact contaminants in the soil by walking, digging or otherwise disturbing the soil in some areas of the site. People are not drinking the contaminated groundwater because the area is served by a public water supply that is not affected by this contamination. Volatile organic compounds in the groundwater may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. Because the site is vacant, the inhalation of site related contaminants due to soil vapor intrusion does not represent a current concern. The potential exists for the inhalation of site contaminants due to soil vapor intrusion for any future on?site development and occupancy. Furthermore, environmental sampling indicates soil vapor intrusion is not a concern for off-site buildings.

Dump: False
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 2011-01-14 14:55:00
Record Upd: 2014-12-10 13:37:00
Updated By: jswalia
Own Op: Owner
Sub Type: 02
Owner Name: Gary Kriner
Owner Company: Mill Race Commons, LLC

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY (Continued) **S110748433**

Owner Address: 726 Exchange Street
Owner Addr2: Suite 412
Owner City,St,Zip: Buffalo, NY 14210
Owner Country: United States of America
Own Op: Applicant/Requestor
Sub Type: P02
Owner Name: Gary Kriner
Owner Company: Mill Race Commons, LLC
Owner Address: 726 Exchange Street, Suite 412
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14210
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Mary Jean Jakubowski
Owner Company: Buffalo & Erie County Public Library
Owner Address: 1 Lafayette Square
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14203-1887
Owner Country: United States of America
HW Code: C915241
Waste Type: TETRACHLOROETHYLENE (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: VINYL CHLORIDE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: 1,1 Dichloroethene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: DICHLOROETHYLENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: TRICHLOROETHENE (TCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: tetrachloroethene (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: Polycyclic Aromatic Hydrocarbons (PAHs), Total
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: MERCURY
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: ARSENIC
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY (Continued) **S110748433**

Waste Type: COPPER
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: Dichloroethene (cis-1,2-)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: POLYCHLORINATED BIPHENYLS (PCB)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: Petroleum Products
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: LEAD
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: 2015190958
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2015-10-07 14:45:00
Record Updated: 2015-10-07 14:45:00
Updated By: jswalia
Crossref ID: C915241-03-11
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 2014-10-17 10:47:00
Record Updated: 2014-10-17 10:47:00
Updated By: jswalia
Crossref ID: 2014199447
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2014-10-31 14:41:00
Record Updated: 2014-10-31 14:41:00
Updated By: jswalia
Crossref ID: 05-17-2011
Cross Ref Type Code: 26
Cross Ref Type: Agreement/Consent Order Date
Record Added Date: 2014-10-17 10:50:00
Record Updated: 2014-10-17 10:50:00
Updated By: jswalia

Site Code: 444249
Control Name: Monitoring Plan
HW Code: C915241
Control Code: 31
Control Type: INST
Dt record added: 09/23/2014
Dt rec updated: 12/29/2014
Updated By: TLRIDNER
Site Code: 444249
Site Description: Location: The Former American Linen Supply Company Facility property is approximately 2.9 acres in size and is located at 822 Seneca Street in the City of Buffalo. The site is bounded to the north by Seymour Street, to the east by Lord Street, to the west by a vacant

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY (Continued) **S110748433**

lot and commercial properties, and to the south by Seneca Street. Site Features: The site is located in an urban area of mixed residential (along Seymour and Lord Streets), commercial and industrial land use. The on-site building has been demolished. The site is completely fenced. A single family home located at 798 Seneca Street is surrounded by the site on three sides. Current Zoning and Land Use: The site is currently zoned for light industrial use. Past Use of the Site: The site was used as a book binding and printing facility from 1910 to 1978. Coverall Service and Supply Company, a uniform dry cleaning facility, operated from 1978 to 1985. Coverall changed their name to AmeriPride Services, Inc. in 1997. Records indicate that tetrachloroethylene (PCE) was used for drycleaning operations. A portion of the facility was used by Thorner Sydney Press until 1997.All laundry operations ceased in April 2004. In 2005, the site was used as a vehicle maintenance shop. The site has been unoccupied since 2005. The vacant industrial building was demolished in 2011 and 2012. In January 2014, the site was sold to Mill Race Commons, LLC. Site Geology and Hydrogeology: The site is generally flat. The unconsolidated geologic materials (soil) encountered at the site range in thickness from approximately 15 to greater than 20 feet thick. Soils at the site consist of historic fill materials (0.5 to 12 ft) overlying native soil. The fill materials include gravel, sand, silt, clay, ash, slag, and bricks, etc. A discrete layer of historic fill containing high ash content was found between 3 and 6.5 feet bgs and reworked clay between 6.5 and 8 feet bgs in the dry cleaning area. The native soils below fill layer consist of lacustrine silt, clay, and till. Bedrock is approximately 20 ft below ground surface and consists of Devonian Onondaga Limestone. The depth of groundwater at the site varies from 2.75 ft. bgs to 10.5 ft. bgs and it flows south toward the Buffalo River, which is located less than one mile from the site.

Env Problem: Prior to the Interim Remedial Measure: The soil and groundwater conditions at the site were investigated during Phase II investigation by ENSR in 2005 and Remedial Investigation by Haley & Aldrich in 2013. Based upon investigations conducted to date, the primary contaminants of concern are chlorinated volatile organic compounds [tetrachloroethene (PCE), trichloroethene (TCE), cis-dichloroethene (cis-DCE), and vinyl chloride] related to the dry cleaning solvents, and metals and polycyclic aromatic hydrocarbons (PAHs) related to fill containing ash materials. Soil: PCE and its related chlorinated volatile organic compounds (VOCs) were found in several soil samples with the highest concentration of PCE at 43.5 ppm, significantly exceeding the soil cleanup objective (SCO) for protection of groundwater (1.3 ppm). The historic fill containing ash exceeded commercial SCOs for several metals and PAHs. The metals exceeding commercial SCOs were: arsenic at 34 ppm (SCO - 16 ppm), barium at 593 ppm (SCO - 400 ppm), copper at 301 ppm (SCO - 270 ppm) and mercury at 3.91 ppm (SCO - 2.8 ppm). The PAHs exceeding commercial SCOs were: benzo(a)anthracene at 7.18 ppm (SCO - 5.6 ppm), benzo(a)pyrene at 6.74 ppm (SCO - 1.0 ppm), benzo(b)fluoranthene at 8.16 ppm (SCO - 5.6 ppm) and dibenz(a,h)anthracene at 0.86 ppm (SCO - 0.56 ppm). On-site Sewer: Samples collected from the sewer vault showed VOCs (trimethylbenzenes, isopropylbenzene, naphthalene) and PAHs. The sewer vault and its connecting pipe to the sewer at Seneca Street were removed during the IRM. The vault's sewer connection was also decommissioned by the installation of a brick and mortar plug. Soil Vapor: Soil vapor sampling outside the 798 Seneca Street

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY (Continued) **S110748433**

property showed petroleum hydrocarbons and chlorinated VOCs. Sub vapor intrusion samples were collected from inside the off-site residential property. The sample results were compared to NYSDOH guidance values and no additional sampling was determined warranted. Groundwater: Groundwater standards were exceeded for chlorinated VOCs [PCE, TCE, cis-DCE, and vinyl chloride], metals [iron, magnesium, and sodium], and PAHs [benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene] in overburden and bedrock wells. The highest concentrations of contaminants which exceeded groundwater standards were: PCE - 58 ppb (std. - 5 ppb), TCE 47 ppb (std. 5 ppb), cis-DCE -175 ppb (std. - 5 ppb), vinyl chloride - 103 ppb (Std. - 2 ppb), iron 10,500 ppb (Std. - 300 ppb), magnesium 244,000 ppb (std. - 35,000 ppb), sodium - 527,000 ppb (std. 20,000 ppb), benzo(b)fluoranthene 0.2 ppb (std. - 0.002 ppb), benzo(k)fluoranthene 0.07 ppb (std. - 0.002 ppb), chrysene 0.07 ppb (std. 0.002 ppb), and indeno(1,2,3-cd)pyrene 0.19 ppb (std. 0.002 ppb). Methyl tertiary butyl ether was found in one upgradient well near an old on-site gasoline storage tank area at 99 ppb. Post IRM Contamination: Soil: The levels of chlorinated VOCs in the dry cleaning area were found up to 280 ppm for PCE and 19 ppm for TCE. These concentrations are above the SCOs for the protection of groundwater. Concentrations of the chlorinated VOCs in the basement soil samples collected after removal of the basement floor slab were below the protection of groundwater SCOs. Site-related contaminants do not appear to be contributing to off-site environmental impacts that require additional investigation or remedial action. On-site Groundwater: Highest levels of chlorinated VOCs were: 120 ppb for cis-DCE and 60 ppb for vinyl chloride. No PCE and TCE were found in any of the on-site monitoring wells. Off-site Groundwater: Traces of TCE (1.8 ppb) and vinyl chloride (4.3 ppb) were found in off- site wells. Only vinyl chloride exceeded the groundwater standard. Remedial Action: Remedial Action activities were conducted in August 2014.Approximately 1295 tons of contaminated soil and fill was removed and disposed off at the permitted facilities.Post excavation samples met the protection of groundwater SCOs for the chlorinated VOCs. The site restoration consisted of placing demarcation layer over the remaining historic fill and covering it with 1-2 feet clean soil cover. The parking area was also repaired. The remaining groundwater contamination at the site will be monitored in accordance with the Site Management Plan, dated October 2014.

Health Problem: The site is completely fenced, which restricts public access. However, persons who enter the site could contact contaminants in the soil by walking, digging or otherwise disturbing the soil in some areas of the site. People are not drinking the contaminated groundwater because the area is served by a public water supply that is not affected by this contamination. Volatile organic compounds in the groundwater may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. Because the site is vacant, the inhalation of site related contaminants due to soil vapor intrusion does not represent a current concern. The potential exists for the inhalation of site contaminants due to soil vapor intrusion for any future on?site development and occupancy. Furthermore, environmental sampling indicates soil vapor intrusion is not a concern for off-site buildings.

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY (Continued) **S110748433**

Dump: False
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 2011-01-14 14:55:00
Record Upd: 2014-12-10 13:37:00
Updated By: jswalia
Own Op: Owner
Sub Type: 02
Owner Name: Gary Kriner
Owner Company: Mill Race Commons, LLC
Owner Address: 726 Exchange Street
Owner Addr2: Suite 412
Owner City,St,Zip: Buffalo, NY 14210
Owner Country: United States of America
Own Op: Applicant/Requestor
Sub Type: P02
Owner Name: Gary Kriner
Owner Company: Mill Race Commons, LLC
Owner Address: 726 Exchange Street, Suite 412
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14210
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Mary Jean Jakubowski
Owner Company: Buffalo & Erie County Public Library
Owner Address: 1 Lafayette Square
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14203-1887
Owner Country: United States of America
HW Code: C915241
Waste Type: TETRACHLOROETHYLENE (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: VINYL CHLORIDE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: 1,1 Dichloroethene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: DICHLOROETHYLENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: TRICHLOROETHENE (TCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY (Continued) **S110748433**

Waste Type: tetrachloroethene (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: Polycyclic Aromatic Hydrocarbons (PAHs), Total
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: MERCURY
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: ARSENIC
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: COPPER
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: Dichloroethene (cis-1,2-)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: POLYCHLORINATED BIPHENYLS (PCB)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: Petroleum Products
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: LEAD
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: 2015190958
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2015-10-07 14:45:00
Record Updated: 2015-10-07 14:45:00
Updated By: jswalia
Crossref ID: C915241-03-11
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 2014-10-17 10:47:00
Record Updated: 2014-10-17 10:47:00
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Crossref ID: 2014199447
Cross Ref Type Code: 25
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Record Added Date: 2014-10-31 14:41:00
Record Updated: 2014-10-31 14:41:00
Updated By: jswalia
Crossref ID: 05-17-2011
Cross Ref Type Code: 26
Cross Ref Type: Agreement/Consent Order Date
Record Added Date: 2014-10-17 10:50:00

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY (Continued) **S110748433**

Record Updated: 2014-10-17 10:50:00
Updated By: jswalia

Site Code: 444249
Control Name: Landuse Restriction
HW Code: C915241
Control Code: 25
Control Type: INST
Dt record added: 09/23/2014
Dt rec updated: 12/29/2014
Updated By: TLRIDNER
Site Code: 444249
Site Description: Location: The Former American Linen Supply Company Facility property is approximately 2.9 acres in size and is located at 822 Seneca Street in the City of Buffalo. The site is bounded to the north by Seymour Street, to the east by Lord Street, to the west by a vacant lot and commercial properties, and to the south by Seneca Street. Site Features: The site is located in an urban area of mixed residential (along Seymour and Lord Streets), commercial and industrial land use. The on-site building has been demolished. The site is completely fenced. A single family home located at 798 Seneca Street is surrounded by the site on three sides. Current Zoning and Land Use: The site is currently zoned for light industrial use. Past Use of the Site: The site was used as a book binding and printing facility from 1910 to 1978. Coverall Service and Supply Company, a uniform dry cleaning facility, operated from 1978 to 1985. Coverall changed their name to AmeriPride Services, Inc. in 1997. Records indicate that tetrachloroethylene (PCE) was used for drycleaning operations. A portion of the facility was used by Thorner Sydney Press until 1997.All laundry operations ceased in April 2004. In 2005, the site was used as a vehicle maintenance shop. The site has been unoccupied since 2005. The vacant industrial building was demolished in 2011 and 2012. In January 2014, the site was sold to Mill Race Commons, LLC. Site Geology and Hydrogeology: The site is generally flat. The unconsolidated geologic materials (soil) encountered at the site range in thickness from approximately 15 to greater than 20 feet thick. Soils at the site consist of historic fill materials (0.5 to 12 ft) overlying native soil. The fill materials include gravel, sand, silt, clay, ash, slag, and bricks, etc. A discrete layer of historic fill containing high ash content was found between 3 and 6.5 feet bgs and reworked clay between 6.5 and 8 feet bgs in the dry cleaning area. The native soils below fill layer consist of lacustrine silt, clay, and till. Bedrock is approximately 20 ft below ground surface and consists of Devonian Onondaga Limestone. The depth of groundwater at the site varies from 2.75 ft. bgs to 10.5 ft. bgs and it flows south toward the Buffalo River, which is located less than one mile from the site.
Env Problem: Prior to the Interim Remedial Measure: The soil and groundwater conditions at the site were investigated during Phase II investigation by ENSR in 2005 and Remedial Investigation by Haley & Aldrich in 2013. Based upon investigations conducted to date, the primary contaminants of concern are chlorinated volatile organic compounds [tetrachloroethene (PCE), trichloroethene (TCE), cis-dichloroethene (cis-DCE), and vinyl chloride] related to the dry cleaning solvents, and metals and polycyclic aromatic hydrocarbons (PAHs) related to fill containing ash materials. Soil: PCE and its related chlorinated volatile organic compounds (VOCs) were found in

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY (Continued) **S110748433**

several soil samples with the highest concentration of PCE at 43.5 ppm, significantly exceeding the soil cleanup objective (SCO) for protection of groundwater (1.3 ppm). The historic fill containing ash exceeded commercial SCOs for several metals and PAHs. The metals exceeding commercial SCOs were: arsenic at 34 ppm (SCO - 16 ppm), barium at 593 ppm (SCO - 400 ppm), copper at 301 ppm (SCO - 270 ppm) and mercury at 3.91 ppm (SCO - 2.8 ppm). The PAHs exceeding commercial SCOs were: benzo(a)anthracene at 7.18 ppm (SCO - 5.6 ppm), benzo(a)pyrene at 6.74 ppm (SCO - 1.0 ppm), benzo(b)fluoranthene at 8.16 ppm (SCO - 5.6 ppm) and dibenz(a,h)anthracene at 0.86 ppm (SCO - 0.56 ppm). On-site Sewer: Samples collected from the sewer vault showed VOCs (trimethylbenzenes, isopropylbenzene, naphthalene) and PAHs. The sewer vault and its connecting pipe to the sewer at Seneca Street were removed during the IRM. The vault's sewer connection was also decommissioned by the installation of a brick and mortar plug. Soil Vapor: Soil vapor sampling outside the 798 Seneca Street property showed petroleum hydrocarbons and chlorinated VOCs. Sub vapor intrusion samples were collected from inside the off-site residential property. The sample results were compared to NYSDOH guidance values and no additional sampling was determined warranted. Groundwater: Groundwater standards were exceeded for chlorinated VOCs [PCE, TCE, cis-DCE, and vinyl chloride], metals [iron, magnesium, and sodium], and PAHs [benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene] in overburden and bedrock wells. The highest concentrations of contaminants which exceeded groundwater standards were: PCE - 58 ppb (std. - 5 ppb), TCE 47 ppb (std. 5 ppb), cis-DCE -175 ppb (std. - 5 ppb), vinyl chloride - 103 ppb (Std. - 2 ppb), iron 10,500 ppb (Std. - 300 ppb), magnesium 244,000 ppb (std. - 35,000 ppb), sodium - 527,000 ppb (std. 20,000 ppb), benzo(b)fluoranthene 0.2 ppb (std. - 0.002 ppb), benzo(k)fluoranthene 0.07 ppb (std. - 0.002 ppb), chrysene 0.07 ppb (std. 0.002 ppb), and indeno(1,2,3-cd)pyrene 0.19 ppb (std. 0.002 ppb). Methyl tertiary butyl ether was found in one upgradient well near an old on-site gasoline storage tank area at 99 ppb. Post IRM Contamination: Soil: The levels of chlorinated VOCs in the dry cleaning area were found up to 280 ppm for PCE and 19 ppm for TCE. These concentrations are above the SCOs for the protection of groundwater. Concentrations of the chlorinated VOCs in the basement soil samples collected after removal of the basement floor slab were below the protection of groundwater SCOs. Site-related contaminants do not appear to be contributing to off-site environmental impacts that require additional investigation or remedial action. On-site Groundwater: Highest levels of chlorinated VOCs were: 120 ppb for cis-DCE and 60 ppb for vinyl chloride. No PCE and TCE were found in any of the on-site monitoring wells. Off-site Groundwater: Traces of TCE (1.8 ppb) and vinyl chloride (4.3 ppb) were found in off- site wells. Only vinyl chloride exceeded the groundwater standard. Remedial Action: Remedial Action activities were conducted in August 2014.Approximately 1295 tons of contaminated soil and fill was removed and disposed off at the permitted facilities.Post excavation samples met the protection of groundwater SCOs for the chlorinated VOCs. The site restoration consisted of placing demarcation layer over the remaining historic fill and covering it with 1-2 feet clean soil cover. The parking area was also repaired. The remaining groundwater contamination at the site will be monitored in accordance with the Site Management Plan, dated October 2014.

Health Problem: The site is completely fenced, which restricts public access.

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY (Continued) **S110748433**

However, persons who enter the site could contact contaminants in the soil by walking, digging or otherwise disturbing the soil in some areas of the site. People are not drinking the contaminated groundwater because the area is served by a public water supply that is not affected by this contamination. Volatile organic compounds in the groundwater may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. Because the site is vacant, the inhalation of site related contaminants due to soil vapor intrusion does not represent a current concern. The potential exists for the inhalation of site contaminants due to soil vapor intrusion for any future on?site development and occupancy. Furthermore, environmental sampling indicates soil vapor intrusion is not a concern for off-site buildings.

Dump: False
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 2011-01-14 14:55:00
Record Upd: 2014-12-10 13:37:00
Updated By: jswalia
Own Op: Owner
Sub Type: 02
Owner Name: Gary Kriner
Owner Company: Mill Race Commons, LLC
Owner Address: 726 Exchange Street
Owner Addr2: Suite 412
Owner City,St,Zip: Buffalo, NY 14210
Owner Country: United States of America
Own Op: Applicant/Requestor
Sub Type: P02
Owner Name: Gary Kriner
Owner Company: Mill Race Commons, LLC
Owner Address: 726 Exchange Street, Suite 412
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14210
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Mary Jean Jakubowski
Owner Company: Buffalo & Erie County Public Library
Owner Address: 1 Lafayette Square
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14203-1887
Owner Country: United States of America
HW Code: C915241
Waste Type: TETRACHLOROETHYLENE (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY (Continued) **S110748433**

Waste Type: VINYL CHLORIDE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: 1,1 Dichloroethene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: DICHLOROETHYLENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: TRICHLOROETHENE (TCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: tetrachloroethene (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: Polycyclic Aromatic Hydrocarbons (PAHs), Total
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: MERCURY
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: ARSENIC
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: COPPER
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: Dichloroethene (cis-1,2-)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: POLYCHLORINATED BIPHENYLS (PCB)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: Petroleum Products
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: LEAD
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: 2015190958
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2015-10-07 14:45:00
Record Updated: 2015-10-07 14:45:00
Updated By: jswalia

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY (Continued) **S110748433**

Crossref ID: C915241-03-11
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 2014-10-17 10:47:00
Record Updated: 2014-10-17 10:47:00
Updated By: jswalia
Crossref ID: 2014199447
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2014-10-31 14:41:00
Record Updated: 2014-10-31 14:41:00
Updated By: jswalia
Crossref ID: 05-17-2011
Cross Ref Type Code: 26
Cross Ref Type: Agreement/Consent Order Date
Record Added Date: 2014-10-17 10:50:00
Record Updated: 2014-10-17 10:50:00
Updated By: jswalia

Site Code: 444249
Control Name: Ground Water Use Restriction
HW Code: C915241
Control Code: 08
Control Type: INST
Dt record added: 09/23/2014
Dt rec updated: 12/29/2014
Updated By: TLRIDNER
Site Code: 444249
Site Description: Location: The Former American Linen Supply Company Facility property is approximately 2.9 acres in size and is located at 822 Seneca Street in the City of Buffalo. The site is bounded to the north by Seymour Street, to the east by Lord Street, to the west by a vacant lot and commercial properties, and to the south by Seneca Street. Site Features: The site is located in an urban area of mixed residential (along Seymour and Lord Streets), commercial and industrial land use. The on-site building has been demolished. The site is completely fenced. A single family home located at 798 Seneca Street is surrounded by the site on three sides. Current Zoning and Land Use: The site is currently zoned for light industrial use. Past Use of the Site: The site was used as a book binding and printing facility from 1910 to 1978. Coverall Service and Supply Company, a uniform dry cleaning facility, operated from 1978 to 1985. Coverall changed their name to AmeriPride Services, Inc. in 1997. Records indicate that tetrachloroethylene (PCE) was used for drycleaning operations. A portion of the facility was used by Thorner Sydney Press until 1997.All laundry operations ceased in April 2004. In 2005, the site was used as a vehicle maintenance shop. The site has been unoccupied since 2005. The vacant industrial building was demolished in 2011 and 2012. In January 2014, the site was sold to Mill Race Commons, LLC. Site Geology and Hydrogeology: The site is generally flat. The unconsolidated geologic materials (soil) encountered at the site range in thickness from approximately 15 to greater than 20 feet thick. Soils at the site consist of historic fill materials (0.5 to 12 ft) overlying native soil. The fill materials include gravel, sand, silt, clay, ash, slag, and bricks, etc. A discrete layer of historic fill containing high ash content was found between 3 and 6.5 feet bgs and reworked clay between 6.5

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY (Continued) **S110748433**

and 8 feet bgs in the dry cleaning area. The native soils below fill layer consist of lacustrine silt, clay, and till. Bedrock is approximately 20 ft below ground surface and consists of Devonian Onondaga Limestone. The depth of groundwater at the site varies from 2.75 ft. bgs to 10.5 ft. bgs and it flows south toward the Buffalo River, which is located less than one mile from the site.

Env Problem: Prior to the Interim Remedial Measure: The soil and groundwater conditions at the site were investigated during Phase II investigation by ENSR in 2005 and Remedial Investigation by Haley & Aldrich in 2013. Based upon investigations conducted to date, the primary contaminants of concern are chlorinated volatile organic compounds [tetrachloroethene (PCE), trichloroethene (TCE), cis-dichloroethene (cis-DCE), and vinyl chloride] related to the dry cleaning solvents, and metals and polycyclic aromatic hydrocarbons (PAHs) related to fill containing ash materials. Soil: PCE and its related chlorinated volatile organic compounds (VOCs) were found in several soil samples with the highest concentration of PCE at 43.5 ppm, significantly exceeding the soil cleanup objective (SCO) for protection of groundwater (1.3 ppm). The historic fill containing ash exceeded commercial SCOs for several metals and PAHs. The metals exceeding commercial SCOs were: arsenic at 34 ppm (SCO - 16 ppm), barium at 593 ppm (SCO - 400 ppm), copper at 301 ppm (SCO - 270 ppm) and mercury at 3.91 ppm (SCO - 2.8 ppm). The PAHs exceeding commercial SCOs were: benzo(a)anthracene at 7.18 ppm (SCO - 5.6 ppm), benzo(a)pyrene at 6.74 ppm (SCO - 1.0 ppm), benzo(b)fluoranthene at 8.16 ppm (SCO - 5.6 ppm) and dibenz(a,h)anthracene at 0.86 ppm (SCO - 0.56 ppm). On-site Sewer: Samples collected from the sewer vault showed VOCs (trimethylbenzenes, isopropylbenzene, naphthalene) and PAHs. The sewer vault and its connecting pipe to the sewer at Seneca Street were removed during the IRM. The vault’s sewer connection was also decommissioned by the installation of a brick and mortar plug. Soil Vapor: Soil vapor sampling outside the 798 Seneca Street property showed petroleum hydrocarbons and chlorinated VOCs. Sub vapor intrusion samples were collected from inside the off-site residential property. The sample results were compared to NYSDOH guidance values and no additional sampling was determined warranted. Groundwater: Groundwater standards were exceeded for chlorinated VOCs [PCE, TCE, cis-DCE, and vinyl chloride], metals [iron, magnesium, and sodium], and PAHs [benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene] in overburden and bedrock wells. The highest concentrations of contaminants which exceeded groundwater standards were: PCE - 58 ppb (std. - 5 ppb), TCE 47 ppb (std. 5 ppb), cis-DCE -175 ppb (std. - 5 ppb), vinyl chloride - 103 ppb (Std. - 2 ppb), iron 10,500 ppb (Std. - 300 ppb), magnesium 244,000 ppb (std. - 35,000 ppb), sodium - 527,000 ppb (std. 20,000 ppb), benzo(b)fluoranthene 0.2 ppb (std. - 0.002 ppb), benzo(k)fluoranthene 0.07 ppb (std. - 0.002 ppb), chrysene 0.07 ppb (std. 0.002 ppb), and indeno(1,2,3-cd)pyrene 0.19 ppb (std. 0.002 ppb). Methyl tertiary butyl ether was found in one upgradient well near an old on-site gasoline storage tank area at 99 ppb. Post IRM Contamination: Soil: The levels of chlorinated VOCs in the dry cleaning area were found up to 280 ppm for PCE and 19 ppm for TCE. These concentrations are above the SCOs for the protection of groundwater. Concentrations of the chlorinated VOCs in the basement soil samples collected after removal of the basement floor slab were below the protection of groundwater SCOs. Site-related contaminants do not appear to be contributing to off-site environmental impacts

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY (Continued) **S110748433**

that require additional investigation or remedial action. On-site Groundwater: Highest levels of chlorinated VOCs were: 120 ppb for cis-DCE and 60 ppb for vinyl chloride. No PCE and TCE were found in any of the on-site monitoring wells. Off-site Groundwater: Traces of TCE (1.8 ppb) and vinyl chloride (4.3 ppb) were found in off- site wells. Only vinyl chloride exceeded the groundwater standard. Remedial Action: Remedial Action activities were conducted in August 2014.Approximately 1295 tons of contaminated soil and fill was removed and disposed off at the permitted facilities.Post excavation samples met the protection of groundwater SCOs for the chlorinated VOCs. The site restoration consisted of placing demarcation layer over the remaining historic fill and covering it with 1-2 feet clean soil cover. The parking area was also repaired. The remaining groundwater contamination at the site will be monitored in accordance with the Site Management Plan, dated October 2014.

Health Problem: The site is completely fenced, which restricts public access. However, persons who enter the site could contact contaminants in the soil by walking, digging or otherwise disturbing the soil in some areas of the site. People are not drinking the contaminated groundwater because the area is served by a public water supply that is not affected by this contamination. Volatile organic compounds in the groundwater may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. Because the site is vacant, the inhalation of site related contaminants due to soil vapor intrusion does not represent a current concern. The potential exists for the inhalation of site contaminants due to soil vapor intrusion for any future on?site development and occupancy. Furthermore, environmental sampling indicates soil vapor intrusion is not a concern for off-site buildings.

Dump: False
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 2011-01-14 14:55:00
Record Upd: 2014-12-10 13:37:00
Updated By: jswalia
Own Op: Owner
Sub Type: 02
Owner Name: Gary Kriner
Owner Company: Mill Race Commons, LLC
Owner Address: 726 Exchange Street
Owner Addr2: Suite 412
Owner City,St,Zip: Buffalo, NY 14210
Owner Country: United States of America
Own Op: Applicant/Requestor
Sub Type: P02
Owner Name: Gary Kriner
Owner Company: Mill Race Commons, LLC
Owner Address: 726 Exchange Street, Suite 412

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY (Continued) **S110748433**

Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14210
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Mary Jean Jakubowski
Owner Company: Buffalo & Erie County Public Library
Owner Address: 1 Lafayette Square
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14203-1887
Owner Country: United States of America
HW Code: C915241
Waste Type: TETRACHLOROETHYLENE (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: VINYL CHLORIDE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: 1,1 Dichloroethene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: DICHLOROETHYLENE
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: TRICHLOROETHENE (TCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: tetrachloroethene (PCE)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: Polycyclic Aromatic Hydrocarbons (PAHs), Total
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: MERCURY
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: ARSENIC
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: COPPER
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: Dichloroethene (cis-1,2-)
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: POLYCHLORINATED BIPHENYLS (PCB)

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY (Continued) **S110748433**

Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: Petroleum Products
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915241
Waste Type: LEAD
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: 2015190958
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2015-10-07 14:45:00
Record Updated: 2015-10-07 14:45:00
Updated By: jswalia
Crossref ID: C915241-03-11
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 2014-10-17 10:47:00
Record Updated: 2014-10-17 10:47:00
Updated By: jswalia
Crossref ID: 2014199447
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2014-10-31 14:41:00
Record Updated: 2014-10-31 14:41:00
Updated By: jswalia
Crossref ID: 05-17-2011
Cross Ref Type Code: 26
Cross Ref Type: Agreement/Consent Order Date
Record Added Date: 2014-10-17 10:50:00
Record Updated: 2014-10-17 10:50:00
Updated By: jswalia

BROWNFIELDS:

Program:	BCP
Site Code:	444249
Acres:	2.917
HW Code:	C915241
SWIS:	1502
Town:	Buffalo (c)
Record Added Date:	01/14/2011
Record Updated Date:	12/27/2017
Update By:	CRSTANIS
Site Description:	Location: The Former American Linen Supply Company Facility property is approximately 2.9 acres in size and is located at 822 Seneca Street in the City of Buffalo. The site is bounded to the north by Seymour Street, to the east by Lord Street, to the west by a vacant lot and commercial properties, and to the south by Seneca Street. Site Features: The site is located in an urban area of mixed residential (along Seymour and Lord Streets), commercial and industrial land use. The on-site building has been demolished. The site is completely fenced. A single family home located at 798 Seneca Street is surrounded by the site on three sides. Current Zoning and Land Use: The site is currently zoned for light industrial use. Past Use of the Site: The site was used as a book binding and printing

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY (Continued) **S110748433**

facility from 1910 to 1978. Coverall Service and Supply Company, a uniform dry cleaning facility, operated from 1978 to 1985. Coverall changed their name to AmeriPride Services, Inc. in 1997. Records indicate that tetrachloroethylene (PCE) was used for drycleaning operations. A portion of the facility was used by Thorner Sydney Press until 1997.All laundry operations ceased in April 2004. In 2005, the site was used as a vehicle maintenance shop. The site has been unoccupied since 2005. The vacant industrial building was demolished in 2011 and 2012. In January 2014, the site was sold to Mill Race Commons, LLC. Site Geology and Hydrogeology: The site is generally flat. The unconsolidated geologic materials (soil) encountered at the site range in thickness from approximately 15 to greater than 20 feet thick. Soils at the site consist of historic fill materials (0.5 to 12 ft) overlying native soil. The fill materials include gravel, sand, silt, clay, ash, slag, and bricks, etc. A discrete layer of historic fill containing high ash content was found between 3 and 6.5 feet bgs and reworked clay between 6.5 and 8 feet bgs in the dry cleaning area. The native soils below fill layer consist of lacustrine silt, clay, and till. Bedrock is approximately 20 ft below ground surface and consists of Devonian Onondaga Limestone. The depth of groundwater at the site varies from 2.75 ft. bgs to 10.5 ft. bgs and it flows south toward the Buffalo River, which is located less than one mile from the site.

Env Problem:

Prior to the Interim Remedial Measure: The soil and groundwater conditions at the site were investigated during Phase II investigation by ENSR in 2005 and Remedial Investigation by Haley & Aldrich in 2013. Based upon investigations conducted to date, the primary contaminants of concern are chlorinated volatile organic compounds [tetrachloroethene (PCE), trichloroethene (TCE), cis-dichloroethene (cis-DCE), and vinyl chloride] related to the dry cleaning solvents, and metals and polycyclic aromatic hydrocarbons (PAHs) related to fill containing ash materials. Soil: PCE and its related chlorinated volatile organic compounds (VOCs) were found in several soil samples with the highest concentration of PCE at 43.5 ppm, significantly exceeding the soil cleanup objective (SCO) for protection of groundwater (1.3 ppm). The historic fill containing ash exceeded commercial SCOs for several metals and PAHs. The metals exceeding commercial SCOs were: arsenic at 34 ppm (SCO - 16 ppm), barium at 593 ppm (SCO - 400 ppm), copper at 301 ppm (SCO - 270 ppm) and mercury at 3.91 ppm (SCO - 2.8 ppm). The PAHs exceeding commercial SCOs were: benzo(a)anthracene at 7.18 ppm (SCO - 5.6 ppm), benzo(a)pyrene at 6.74 ppm (SCO - 1.0 ppm), benzo(b)fluoranthene at 8.16 ppm (SCO - 5.6 ppm) and dibenz(a,h)anthracene at 0.86 ppm (SCO - 0.56 ppm). On-site Sewer: Samples collected from the sewer vault showed VOCs (trimethylbenzenes, isopropylbenzene, naphthalene) and PAHs. The sewer vault and its connecting pipe to the sewer at Seneca Street were removed during the IRM. The vault’s sewer connection was also decommissioned by the installation of a brick and mortar plug. Soil Vapor: Soil vapor sampling outside the 798 Seneca Street property showed petroleum hydrocarbons and chlorinated VOCs. Sub vapor intrusion samples were collected from inside the off-site residential property. The sample results were compared to NYSDOH guidance values and no additional sampling was determined warranted. Groundwater: Groundwater standards were exceeded for chlorinated VOCs [PCE, TCE, cis-DCE, and vinyl chloride], metals [iron, magnesium, and sodium], and PAHs [benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene] in overburden and bedrock

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY (Continued) **S110748433**

wells. The highest concentrations of contaminants which exceeded groundwater standards were: PCE - 58 ppb (std. - 5 ppb), TCE 47 ppb (std. 5 ppb), cis-DCE -175 ppb (std. - 5 ppb), vinyl chloride - 103 ppb (Std. - 2 ppb), iron 10,500 ppb (Std. - 300 ppb), magnesium 244,000 ppb (std. - 35,000 ppb), sodium - 527,000 ppb (std. 20,000 ppb), benzo(b)fluoranthene 0.2 ppb (std. - 0.002 ppb), benzo(k)fluoranthene 0.07 ppb (std. - 0.002 ppb), chrysene 0.07 ppb (std. 0.002 ppb), and indeno(1,2,3-cd)pyrene 0.19 ppb (std. 0.002 ppb). Methyl tertiary butyl ether was found in one upgradient well near an old on-site gasoline storage tank area at 99 ppb. Post IRM Contamination: Soil: The levels of chlorinated VOCs in the dry cleaning area were found up to 280 ppm for PCE and 19 ppm for TCE. These concentrations are above the SCOs for the protection of groundwater. Concentrations of the chlorinated VOCs in the basement soil samples collected after removal of the basement floor slab were below the protection of groundwater SCOs. Site-related contaminants do not appear to be contributing to off-site environmental impacts that require additional investigation or remedial action. On-site Groundwater: Highest levels of chlorinated VOCs were: 120 ppb for cis-DCE and 60 ppb for vinyl chloride. No PCE and TCE were found in any of the on-site monitoring wells. Off-site Groundwater: Traces of TCE (1.8 ppb) and vinyl chloride (4.3 ppb) were found in off- site wells. Only vinyl chloride exceeded the groundwater standard. Remedial Action: Remedial Action activities were conducted in August 2014.Approximately 1295 tons of contaminated soil and fill was removed and disposed off at the permitted facilities.Post excavation samples met the protection of groundwater SCOs for the chlorinated VOCs. The site restoration consisted of placing demarcation layer over the remaining historic fill and covering it with 1-2 feet clean soil cover. The parking area was also repaired. The remaining groundwater contamination at the site will be monitored in accordance with the Site Management Plan, dated October 2014.

Health Problem: The site is completely fenced, which restricts public access. However, persons who enter the site could contact contaminants in the soil by walking, digging or otherwise disturbing the soil in some areas of the site. People are not drinking the contaminated groundwater because the area is served by a public water supply that is not affected by this contamination. Volatile organic compounds in the groundwater may move into the soil vapor (air spaces within the soil), which in turn may move into overlying buildings and affect the indoor air quality. This process, which is similar to the movement of radon gas from the subsurface into the indoor air of buildings, is referred to as soil vapor intrusion. Because the site is vacant, the inhalation of site related contaminants due to soil vapor intrusion does not represent a current concern. The potential exists for the inhalation of site contaminants due to soil vapor intrusion for any future on?site development and occupancy. Furthermore, environmental sampling indicates soil vapor intrusion is not a concern for off-site buildings.

Dump: False
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY (Continued) **S110748433**

Dell:	Not reported
Record Add:	2011-01-14 14:55:00
Record Upd:	2014-12-10 13:37:00
Updated By:	jswalia
Own Op:	Owner
Sub Type:	02
Owner Name:	Gary Kriner
Owner Company:	Mill Race Commons, LLC
Owner Address:	726 Exchange Street
Owner Addr2:	Suite 412
Owner City,St,Zip:	Buffalo, NY 14210
Owner Country:	United States of America
Own Op:	Applicant/Requestor
Sub Type:	P02
Owner Name:	Gary Kriner
Owner Company:	Mill Race Commons, LLC
Owner Address:	726 Exchange Street, Suite 412
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14210
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Mary Jean Jakubowski
Owner Company:	Buffalo & Erie County Public Library
Owner Address:	1 Lafayette Square
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14203-1887
Owner Country:	United States of America
HW Code:	C915241
Waste Type:	TETRACHLOROETHYLENE (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915241
Waste Type:	VINYL CHLORIDE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915241
Waste Type:	1,1 Dichloroethene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915241
Waste Type:	DICHLOROETHYLENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915241
Waste Type:	TRICHLOROETHENE (TCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915241
Waste Type:	tetrachloroethene (PCE)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915241
Waste Type:	Polycyclic Aromatic Hydrocarbons (PAHs), Total
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915241

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY (Continued) **S110748433**

Waste Type:	MERCURY
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915241
Waste Type:	ARSENIC
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915241
Waste Type:	COPPER
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915241
Waste Type:	Dichloroethene (cis-1,2-)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915241
Waste Type:	POLYCHLORINATED BIPHENYLS (PCB)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915241
Waste Type:	Petroleum Products
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915241
Waste Type:	LEAD
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	2015190958
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	2015-10-07 14:45:00
Record Updated:	2015-10-07 14:45:00
Updated By:	jswalia
Crossref ID:	C915241-03-11
Cross Ref Type Code:	23
Cross Ref Type:	Agreement/Consent Order Number
Record Added Date:	2014-10-17 10:47:00
Record Updated:	2014-10-17 10:47:00
Updated By:	jswalia
Crossref ID:	2014199447
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	2014-10-31 14:41:00
Record Updated:	2014-10-31 14:41:00
Updated By:	jswalia
Crossref ID:	05-17-2011
Cross Ref Type Code:	26
Cross Ref Type:	Agreement/Consent Order Date
Record Added Date:	2014-10-17 10:50:00
Record Updated:	2014-10-17 10:50:00
Updated By:	jswalia

SPILLS:

Facility ID:	1203103
Facility Type:	ER
Spill Number:	1203103
DER Facility ID:	420239

FORMER AMERICAN LINEN SUPPLY COMPANY FACILITY (Continued) **S110748433**

Site ID:	465892
DEC Region:	9
Closed Date:	2012-11-13
Spill Cause:	Other
Spill Class:	D3
SWIS:	1502
Spill Date:	2012-06-27
Investigator:	jswalia
Referred To:	Not reported
Reported to Dept:	2012-06-27
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	DEC
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	Not reported
Remediation Phase:	0
Date Entered In Computer:	2012-06-28
Spill Record Last Update:	2012-11-13
Spiller Name:	ALEN TRPEVSKY
Spiller Company:	ONTARIO SPECIALITY
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	Not reported
DEC Memo:	"The site is in the Brownfield Cleanup Program. Spill #1203103 was opened in response to oil leaking from equipment removed from the former basement boiler area. Material excavated in response to that release was containerized in drums, characterized and removed on 9 October 2012. See disposal documents in edocs. [Also refer to BCP site # C915241 (report.C915241.2012-11-12_Monthly_Progress.pdf)] "
Remarks:	"6/27/12; 3:30 PM: Glenn White from Haley & Aldrich called in and said that during demolition at C915241 BCP site by Ontario Speciality, some oil (lube or hydraulic oil)from an old elevator or boiler leaked onto concrete rubble. They will separate oily rubbles, remove stained soil, and dispose it off-site. The spilled oil in basement water is being removed with absorbents. The water would be treated and tested prior to discharge to BSA."

All Materials:

Site ID:	465892
Operable Unit ID:	1215907
Operable Unit:	01
Material ID:	2214056
Material Code:	0010
Material Name:	hydraulic oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	10.00
Units:	G
Recovered:	10.00
Oxygenate:	Not reported

61
SSE
1/4-1/2
0.345 mi.
1824 ft.

SILOS AT ELK STREET SITE
50 ELK STREET
BUFFALO, NY 14210

NY ENG CONTROLS **S120706180**
NY INST CONTROL **N/A**
NY BROWNFIELDS

Relative:
Higher

Actual:
591 ft.

ENG CONTROLS:

Site Code:	533076
HW Code:	C915309
Control Code:	15
Control Type:	ENG
Date Record Added:	07/27/2017
Date Rec Updated:	12/28/2017
Updated By:	MFMOORE
Site Description:	Location: The 50 Elk Street Site is located in a highly developed residential, commercial, and industrial area of the City of Buffalo. The site sits at the corner of Elk and Fulton Streets. Elk Street wraps around the western and southern portion of the site. Site Features: The approximately 1.9 acre site is improved with a vacant multi-story former industrial building and adjacent asphalt parking lot. The abandoned building is constructed of brick, metal, and concrete. Current Zoning and Land Use: The site is currently being renovated for office reuse. Land-use surrounding the site includes residential, commercial, and vacant industrial properties. Future use of the site is two-fold a portion of the site is suitable for restricted residential reuse and the former facility area is suitable for commercial reuse. Past Use of the Site: From 1889 to about 1899, the site was developed with numerous former residential and commercial buildings in addition to railroad tracks along the eastern portion of the site. Commercial operations include storefronts and taverns. From about 1899 to the 1980s, the site use remained consistent with historic uses adding a malting operation with storage areas, malting floors, a kiln, coal areas, engine rooms, offices, a transformer room, cleaning areas, and grain elevators/silos. Throughout the 1980s surrounding residential and commercial buildings were demolished leaving only the malting facility which from the 1980s has been vacant. Site Geology and Hydrogeology: The overburden material is a one or two foot clean soil cover above a ash-fill unit consisting of coal fragments, orange brick, glass, ceramic fragments, etc. underlain by a native, stiff lacustrine clay unit. The Buffalo River is approximately 0.6 miles south of the site. Regional groundwater appears to flow south and west towards the Buffalo River and Lake Erie. Local groundwater, found from approximately 5 to 10 feet below ground surface may be influenced by subsurface features, such as excavations, utilities and localized fill-conditions.
Env Problem:	Remediation at the site is complete. Prior to remediation the primary contaminants of concern were metals including lead, mercury and arsenic. and semi-volatile organic compounds (SVOCs) including polycyclic aromatic hydrocarbons (PAHs), such as, benzo(a)pyrene, benzo(a)anthracene, benzo(b)fluoranthene, dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene in soil. Remedial actions have successfully achieved soil cleanup objectives for multiple uses including a portion for commercial use and a portion for restricted residential use. Residual contamination in the soil is being managed under a Site Management Plan.
Health Problem:	This Health Assessment is presently being updated and will be posted upon receipt from the NYSDOH.
Dump:	True
Structure:	False

SILOS AT ELK STREET SITE (Continued) **S120706180**

Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	2017-01-23 11:34:00
Record Upd:	2017-12-19 16:27:00
Updated By:	MFMOORE
Own Op:	Owner
Sub Type:	E
Owner Name:	Shawn Wright
Owner Company:	Brookfield Interest, LLC
Owner Address:	740 Seneca Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14210
Owner Country:	United States of America
Own Op:	Applicant/Requestor
Sub Type:	P03
Owner Name:	Shawn Wright
Owner Company:	Silos at Elk Street, LLC
Owner Address:	740 Seneca Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14210
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Carol Ann Batt
Owner Company:	Buffalo & Erie County Public Library
Owner Address:	1 Lafayette Square
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14203
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	B99
Owner Name:	Maurice Moore
Owner Company:	New York State Department OF Environmental Conservation
Owner Address:	270 Michigan Avenue
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14203
Owner Country:	United States of America
HW Code:	C915309
Waste Type:	arsenic
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915309
Waste Type:	dibenz[a,h]anthracene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915309
Waste Type:	benzo(g,h,i)perylene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915309
Waste Type:	benzo(b)fluoranthene
Waste Quantity:	UNKNOWN

SILOS AT ELK STREET SITE (Continued) **S120706180**

Waste Code: Not reported
HW Code: C915309
Waste Type: lead
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: benzo(a)pyrene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: mercury
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: benzo(a)anthracene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: indeno(1,2,3-CD)pyrene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: benzo[k]fluoranthene
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: C915309-01-17
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 2017-10-03 13:48:00
Record Updated: 2017-10-03 13:48:00
Updated By: MFMOORE
Crossref ID: 2017192886 Bk/PG D11319/1456
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2017-12-19 10:18:00
Record Updated: 2017-12-19 10:19:00
Updated By: MFMOORE
Crossref ID: 02/14/2017
Cross Ref Type Code: 26
Cross Ref Type: Agreement/Consent Order Date
Record Added Date: 2017-10-03 13:49:00
Record Updated: 2017-10-03 13:49:00
Updated By: MFMOORE

INST CONTROL:
Site Code: 533076
Control Name: Environmental Easement
HW Code: C915309
Control Code: J
Control Type: INST
Dt record added: 07/27/2017
Dt rec updated: 12/28/2017
Updated By: MFMOORE
Site Code: 533076
Site Description: Location: The 50 Elk Street Site is located in a highly developed residential, commercial, and industrial area of the City of Buffalo. The site sits at the corner of Elk and Fulton Streets. Elk Street

SILOS AT ELK STREET SITE (Continued) **S120706180**

wraps around the western and southern portion of the site. Site Features: The approximately 1.9 acre site is improved with a vacant multi-story former industrial building and adjacent asphalt parking lot. The abandoned building is constructed of brick, metal, and concrete. Current Zoning and Land Use: The site is currently being renovated for office reuse. Land-use surrounding the site includes residential, commercial, and vacant industrial properties. Future use of the site is two-fold a portion of the site is suitable for restricted residential reuse and the former facility area is suitable for commercial reuse. Past Use of the Site: From 1889 to about 1899, the site was developed with numerous former residential and commercial buildings in addition to railroad tracks along the eastern portion of the site. Commercial operations include storefronts and taverns. From about 1899 to the 1980s, the site use remained consistent with historic uses adding a malting operation with storage areas, malting floors, a kiln, coal areas, engine rooms, offices, a transformer room, cleaning areas, and grain elevators/silos. Throughout the 1980s surrounding residential and commercial buildings were demolished leaving only the malting facility which from the 1980s has been vacant. Site Geology and Hydrogeology: The overburden material is a one or two foot clean soil cover above a ash-fill unit consisting of coal fragments, orange brick, glass, ceramic fragments, etc. underlain by a native, stiff lacustrine clay unit. The Buffalo River is approximately 0.6 miles south of the site. Regional groundwater appears to flow south and west towards the Buffalo River and Lake Erie. Local groundwater, found from approximately 5 to 10 feet below ground surface may be influenced by subsurface features, such as excavations, utilities and localized fill-conditions.

Env Problem: Remediation at the site is complete. Prior to remediation the primary contaminants of concern were metals including lead, mercury and arsenic. and semi-volatile organic compounds (SVOCs) including polycyclic aromatic hydrocarbons (PAHs), such as, benzo(a)pyrene, benzo(a)anthracene, benzo(b)fluoranthene, dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene in soil. Remedial actions have successfully achieved soil cleanup objectives for multiple uses including a portion for commercial use and a portion for restricted residential use. Residual contamination in the soil is being managed under a Site Management Plan.

Health Problem: This Health Assessment is presently being updated and will be posted upon receipt from the NYSDOH.

Dump: True
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 2017-01-23 11:34:00
Record Upd: 2017-12-19 16:27:00
Updated By: MFMOORE
Own Op: Owner
Sub Type: E
Owner Name: Shawn Wright
Owner Company: Brookfield Interest, LLC
Owner Address: 740 Seneca Street

SILOS AT ELK STREET SITE (Continued) **S120706180**

Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14210
Owner Country: United States of America
Own Op: Applicant/Requestor
Sub Type: P03
Owner Name: Shawn Wright
Owner Company: Silos at Elk Street, LLC
Owner Address: 740 Seneca Street
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14210
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Carol Ann Batt
Owner Company: Buffalo & Erie County Public Library
Owner Address: 1 Lafayette Square
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14203
Owner Country: United States of America
Own Op: Document Repository
Sub Type: B99
Owner Name: Maurice Moore
Owner Company: New York State Department OF Environmental Conservation
Owner Address: 270 Michigan Avenue
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14203
Owner Country: United States of America
HW Code: C915309
Waste Type: arsenic
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: dibenz[a,h]anthracene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: benzo(g,h,i)perylene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: benzo(b)fluoranthene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: lead
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: benzo(a)pyrene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: mercury
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: benzo(a)anthracene

SILOS AT ELK STREET SITE (Continued) **S120706180**

Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: indeno(1,2,3-CD)pyrene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: benzo[k]fluoranthene
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: C915309-01-17
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 2017-10-03 13:48:00
Record Updated: 2017-10-03 13:48:00
Updated By: MFMOORE
Crossref ID: 2017192886 Bk/PG D11319/1456
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2017-12-19 10:18:00
Record Updated: 2017-12-19 10:19:00
Updated By: MFMOORE
Crossref ID: 02/14/2017
Cross Ref Type Code: 26
Cross Ref Type: Agreement/Consent Order Date
Record Added Date: 2017-10-03 13:49:00
Record Updated: 2017-10-03 13:49:00
Updated By: MFMOORE

Site Code: 533076
Control Name: Soil Management Plan
HW Code: C915309
Control Code: 14
Control Type: INST
Dt record added: 07/27/2017
Dt rec updated: 12/28/2017
Updated By: MFMOORE
Site Code: 533076
Site Description: Location: The 50 Elk Street Site is located in a highly developed residential, commercial, and industrial area of the City of Buffalo. The site sits at the corner of Elk and Fulton Streets. Elk Street wraps around the western and southern portion of the site. Site Features: The approximately 1.9 acre site is improved with a vacant multi-story former industrial building and adjacent asphalt parking lot. The abandoned building is constructed of brick, metal, and concrete. Current Zoning and Land Use: The site is currently being renovated for office reuse. Land-use surrounding the site includes residential, commercial, and vacant industrial properties. Future use of the site is two-fold a portion of the site is suitable for restricted residential reuse and the former facility area is suitable for commercial reuse. Past Use of the Site: From 1889 to about 1899, the site was developed with numerous former residential and commercial buildings in addition to railroad tracks along the eastern portion of the site. Commercial operations include storefronts and taverns. From about 1899 to the 1980s, the site use remained consistent with historic uses adding a malting operation with storage areas, malting floors, a kiln, coal areas, engine rooms, offices, a

SILOS AT ELK STREET SITE (Continued) **S120706180**

transformer room, cleaning areas, and grain elevators/silos. Throughout the 1980s surrounding residential and commercial buildings were demolished leaving only the malting facility which from the 1980s has been vacant. Site Geology and Hydrogeology: The overburden material is a one or two foot clean soil cover above a ash-fill unit consisting of coal fragments, orange brick, glass, ceramic fragments, etc. underlain by a native, stiff lacustrine clay unit. The Buffalo River is approximately 0.6 miles south of the site. Regional groundwater appears to flow south and west towards the Buffalo River and Lake Erie. Local groundwater, found from approximately 5 to 10 feet below ground surface may be influenced by subsurface features, such as excavations, utilities and localized fill-conditions.

Env Problem: Remediation at the site is complete. Prior to remediation the primary contaminants of concern were metals including lead, mercury and arsenic. and semi-volatile organic compounds (SVOCs) including polycyclic aromatic hydrocarbons (PAHs), such as, benzo(a)pyrene, benzo(a)anthracene, benzo(b)fluoranthene, dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene in soil. Remedial actions have successfully achieved soil cleanup objectives for multiple uses including a portion for commercial use and a portion for restricted residential use. Residual contamination in the soil is being managed under a Site Management Plan.

Health Problem: This Health Assessment is presently being updated and will be posted upon receipt from the NYSDOH.

Dump: True
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 2017-01-23 11:34:00
Record Upd: 2017-12-19 16:27:00
Updated By: MFMOORE
Own Op: Owner
Sub Type: E
Owner Name: Shawn Wright
Owner Company: Brookfield Interest, LLC
Owner Address: 740 Seneca Street
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14210
Owner Country: United States of America
Own Op: Applicant/Requestor
Sub Type: P03
Owner Name: Shawn Wright
Owner Company: Silos at Elk Street, LLC
Owner Address: 740 Seneca Street
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14210
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Carol Ann Batt
Owner Company: Buffalo & Erie County Public Library
Owner Address: 1 Lafayette Square

SILOS AT ELK STREET SITE (Continued) **S120706180**

Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14203
Owner Country: United States of America
Own Op: Document Repository
Sub Type: B99
Owner Name: Maurice Moore
Owner Company: New York State Department OF Environmental Conservation
Owner Address: 270 Michigan Avenue
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14203
Owner Country: United States of America
HW Code: C915309
Waste Type: arsenic
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: dibenz[a,h]anthracene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: benzo(g,h,i)perylene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: benzo(b)fluoranthene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: lead
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: benzo(a)pyrene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: mercury
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: benzo(a)anthracene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: indeno(1,2,3-CD)pyrene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: benzo[k]fluoranthene
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: C915309-01-17
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 2017-10-03 13:48:00
Record Updated: 2017-10-03 13:48:00
Updated By: MFMOORE

SILOS AT ELK STREET SITE (Continued) **S120706180**

Crossref ID: 2017192886 Bk/PG D11319/1456
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2017-12-19 10:18:00
Record Updated: 2017-12-19 10:19:00
Updated By: MFMOORE
Crossref ID: 02/14/2017
Cross Ref Type Code: 26
Cross Ref Type: Agreement/Consent Order Date
Record Added Date: 2017-10-03 13:49:00
Record Updated: 2017-10-03 13:49:00
Updated By: MFMOORE

Site Code: 533076
Control Name: Site Management Plan
HW Code: C915309
Control Code: 32
Control Type: INST
Dt record added: 07/27/2017
Dt rec updated: 12/28/2017
Updated By: MFMOORE
Site Code: 533076
Site Description: Location: The 50 Elk Street Site is located in a highly developed residential, commercial, and industrial area of the City of Buffalo. The site sits at the corner of Elk and Fulton Streets. Elk Street wraps around the western and southern portion of the site. Site Features: The approximately 1.9 acre site is improved with a vacant multi-story former industrial building and adjacent asphalt parking lot. The abandoned building is constructed of brick, metal, and concrete. Current Zoning and Land Use: The site is currently being renovated for office reuse. Land-use surrounding the site includes residential, commercial, and vacant industrial properties. Future use of the site is two-fold a portion of the site is suitable for restricted residential reuse and the former facility area is suitable for commercial reuse. Past Use of the Site: From 1889 to about 1899, the site was developed with numerous former residential and commercial buildings in addition to railroad tracks along the eastern portion of the site. Commercial operations include storefronts and taverns. From about 1899 to the 1980s, the site use remained consistent with historic uses adding a malting operation with storage areas, malting floors, a kiln, coal areas, engine rooms, offices, a transformer room, cleaning areas, and grain elevators/silos. Throughout the 1980s surrounding residential and commercial buildings were demolished leaving only the malting facility which from the 1980s has been vacant. Site Geology and Hydrogeology: The overburden material is a one or two foot clean soil cover above a ash-fill unit consisting of coal fragments, orange brick, glass, ceramic fragments, etc. underlain by a native, stiff lacustrine clay unit. The Buffalo River is approximately 0.6 miles south of the site. Regional groundwater appears to flow south and west towards the Buffalo River and Lake Erie. Local groundwater, found from approximately 5 to 10 feet below ground surface may be influenced by subsurface features, such as excavations, utilities and localized fill-conditions.
Env Problem: Remediation at the site is complete. Prior to remediation the primary contaminants of concern were metals including lead, mercury and arsenic. and semi-volatile organic compounds (SVOCs) including polycyclic aromatic hydrocarbons (PAHs), such as, benzo(a)pyrene,

SILOS AT ELK STREET SITE (Continued) **S120706180**

benzo(a)anthracene, benzo(b)fluoranthene, dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene in soil. Remedial actions have successfully achieved soil cleanup objectives for multiple uses including a portion for commercial use and a portion for restricted residential use. Residual contamination in the soil is being managed under a Site Management Plan.

Health Problem: This Health Assessment is presently being updated and will be posted upon receipt from the NYSDOH.
Dump: True
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 2017-01-23 11:34:00
Record Upd: 2017-12-19 16:27:00
Updated By: MFMOORE
Own Op: Owner
Sub Type: E
Owner Name: Shawn Wright
Owner Company: Brookfield Interest, LLC
Owner Address: 740 Seneca Street
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14210
Owner Country: United States of America
Own Op: Applicant/Requestor
Sub Type: P03
Owner Name: Shawn Wright
Owner Company: Silos at Elk Street, LLC
Owner Address: 740 Seneca Street
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14210
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Carol Ann Batt
Owner Company: Buffalo & Erie County Public Library
Owner Address: 1 Lafayette Square
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14203
Owner Country: United States of America
Own Op: Document Repository
Sub Type: B99
Owner Name: Maurice Moore
Owner Company: New York State Department OF Environmental Conservation
Owner Address: 270 Michigan Avenue
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14203
Owner Country: United States of America
HW Code: C915309
Waste Type: arsenic
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309

SILOS AT ELK STREET SITE (Continued) **S120706180**

Waste Type: dibenz[a,h]anthracene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: benzo(g,h,i)perylene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: benzo(b)fluoranthene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: lead
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: benzo(a)pyrene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: mercury
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: benzo(a)anthracene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: indeno(1,2,3-CD)pyrene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: benzo[k]fluoranthene
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: C915309-01-17
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 2017-10-03 13:48:00
Record Updated: 2017-10-03 13:48:00
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Crossref ID: 02/14/2017
Cross Ref Type Code: 26
Cross Ref Type: Agreement/Consent Order Date
Record Added Date: 2017-10-03 13:49:00
Record Updated: 2017-10-03 13:49:00
Updated By: MFMOORE

Site Code: 533076
Control Name: IC/EC Plan
HW Code: C915309

SILOS AT ELK STREET SITE (Continued) **S120706180**

Control Code: 34
Control Type: INST
Dt record added: 07/27/2017
Dt rec updated: 12/28/2017
Updated By: MFMOORE
Site Code: 533076
Site Description: Location: The 50 Elk Street Site is located in a highly developed residential, commercial, and industrial area of the City of Buffalo. The site sits at the corner of Elk and Fulton Streets. Elk Street wraps around the western and southern portion of the site. Site Features: The approximately 1.9 acre site is improved with a vacant multi-story former industrial building and adjacent asphalt parking lot. The abandoned building is constructed of brick, metal, and concrete. Current Zoning and Land Use: The site is currently being renovated for office reuse. Land-use surrounding the site includes residential, commercial, and vacant industrial properties. Future use of the site is two-fold a portion of the site is suitable for restricted residential reuse and the former facility area is suitable for commercial reuse. Past Use of the Site: From 1889 to about 1899, the site was developed with numerous former residential and commercial buildings in addition to railroad tracks along the eastern portion of the site. Commercial operations include storefronts and taverns. From about 1899 to the 1980s, the site use remained consistent with historic uses adding a malting operation with storage areas, malting floors, a kiln, coal areas, engine rooms, offices, a transformer room, cleaning areas, and grain elevators/silos. Throughout the 1980s surrounding residential and commercial buildings were demolished leaving only the malting facility which from the 1980s has been vacant. Site Geology and Hydrogeology: The overburden material is a one or two foot clean soil cover above a ash-fill unit consisting of coal fragments, orange brick, glass, ceramic fragments, etc. underlain by a native, stiff lacustrine clay unit. The Buffalo River is approximately 0.6 miles south of the site. Regional groundwater appears to flow south and west towards the Buffalo River and Lake Erie. Local groundwater, found from approximately 5 to 10 feet below ground surface may be influenced by subsurface features, such as excavations, utilities and localized fill-conditions.
Env Problem: Remediation at the site is complete. Prior to remediation the primary contaminants of concern were metals including lead, mercury and arsenic. and semi-volatile organic compounds (SVOCs) including polycyclic aromatic hydrocarbons (PAHs), such as, benzo(a)pyrene, benzo(a)anthracene, benzo(b)fluoranthene, dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene in soil. Remedial actions have successfully achieved soil cleanup objectives for multiple uses including a portion for commercial use and a portion for restricted residential use. Residual contamination in the soil is being managed under a Site Management Plan.
Health Problem: This Health Assessment is presently being updated and will be posted upon receipt from the NYSDOH.
Dump: True
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported

SILOS AT ELK STREET SITE (Continued) **S120706180**

Dell: Not reported
Record Add: 2017-01-23 11:34:00
Record Upd: 2017-12-19 16:27:00
Updated By: MFMOORE
Own Op: Owner
Sub Type: E
Owner Name: Shawn Wright
Owner Company: Brookfield Interest, LLC
Owner Address: 740 Seneca Street
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14210
Owner Country: United States of America
Own Op: Applicant/Requestor
Sub Type: P03
Owner Name: Shawn Wright
Owner Company: Silos at Elk Street, LLC
Owner Address: 740 Seneca Street
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14210
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Carol Ann Batt
Owner Company: Buffalo & Erie County Public Library
Owner Address: 1 Lafayette Square
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14203
Owner Country: United States of America
Own Op: Document Repository
Sub Type: B99
Owner Name: Maurice Moore
Owner Company: New York State Department OF Environmental Conservation
Owner Address: 270 Michigan Avenue
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14203
Owner Country: United States of America
HW Code: C915309
Waste Type: arsenic
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: dibenz[a,h]anthracene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: benzo(g,h,i)perylene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: benzo(b)fluoranthene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: lead
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309

SILOS AT ELK STREET SITE (Continued) **S120706180**

Waste Type: benzo(a)pyrene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: mercury
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: benzo(a)anthracene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: indeno(1,2,3-CD)pyrene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: benzo[k]fluoranthene
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: C915309-01-17
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 2017-10-03 13:48:00
Record Updated: 2017-10-03 13:48:00
Updated By: MFMOORE
Crossref ID: 2017192886 Bk/PG D11319/1456
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2017-12-19 10:18:00
Record Updated: 2017-12-19 10:19:00
Updated By: MFMOORE
Crossref ID: 02/14/2017
Cross Ref Type Code: 26
Cross Ref Type: Agreement/Consent Order Date
Record Added Date: 2017-10-03 13:49:00
Record Updated: 2017-10-03 13:49:00
Updated By: MFMOORE

Site Code: 533076
Control Name: Ground Water Use Restriction
HW Code: C915309
Control Code: 08
Control Type: INST
Dt record added: 07/27/2017
Dt rec updated: 12/28/2017
Updated By: MFMOORE
Site Code: 533076
Site Description: Location: The 50 Elk Street Site is located in a highly developed residential, commercial, and industrial area of the City of Buffalo. The site sits at the corner of Elk and Fulton Streets. Elk Street wraps around the western and southern portion of the site. Site Features: The approximately 1.9 acre site is improved with a vacant multi-story former industrial building and adjacent asphalt parking lot. The abandoned building is constructed of brick, metal, and concrete. Current Zoning and Land Use: The site is currently being renovated for office reuse. Land-use surrounding the site includes residential, commercial, and vacant industrial properties. Future use

SILOS AT ELK STREET SITE (Continued) **S120706180**

of the site is two-fold a portion of the site is suitable for restricted residential reuse and the former facility area is suitable for commercial reuse. Past Use of the Site: From 1889 to about 1899, the site was developed with numerous former residential and commercial buildings in addition to railroad tracks along the eastern portion of the site. Commercial operations include storefronts and taverns. From about 1899 to the 1980s, the site use remained consistent with historic uses adding a malting operation with storage areas, malting floors, a kiln, coal areas, engine rooms, offices, a transformer room, cleaning areas, and grain elevators/silos. Throughout the 1980s surrounding residential and commercial buildings were demolished leaving only the malting facility which from the 1980s has been vacant. Site Geology and Hydrogeology: The overburden material is a one or two foot clean soil cover above a ash-fill unit consisting of coal fragments, orange brick, glass, ceramic fragments, etc. underlain by a native, stiff lacustrine clay unit. The Buffalo River is approximately 0.6 miles south of the site. Regional groundwater appears to flow south and west towards the Buffalo River and Lake Erie. Local groundwater, found from approximately 5 to 10 feet below ground surface may be influenced by subsurface features, such as excavations, utilities and localized fill-conditions.

Env Problem: Remediation at the site is complete. Prior to remediation the primary contaminants of concern were metals including lead, mercury and arsenic. and semi-volatile organic compounds (SVOCs) including polycyclic aromatic hydrocarbons (PAHs), such as, benzo(a)pyrene, benzo(a)anthracene, benzo(b)fluoranthene, dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene in soil. Remedial actions have successfully achieved soil cleanup objectives for multiple uses including a portion for commercial use and a portion for restricted residential use. Residual contamination in the soil is being managed under a Site Management Plan.

Health Problem: This Health Assessment is presently being updated and will be posted upon receipt from the NYSDOH.

Dump: True
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 2017-01-23 11:34:00
Record Upd: 2017-12-19 16:27:00
Updated By: MFMOORE
Own Op: Owner
Sub Type: E
Owner Name: Shawn Wright
Owner Company: Brookfield Interest, LLC
Owner Address: 740 Seneca Street
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14210
Owner Country: United States of America
Own Op: Applicant/Requestor
Sub Type: P03
Owner Name: Shawn Wright
Owner Company: Silos at Elk Street, LLC

SILOS AT ELK STREET SITE (Continued) **S120706180**

Owner Address: 740 Seneca Street
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14210
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Carol Ann Batt
Owner Company: Buffalo & Erie County Public Library
Owner Address: 1 Lafayette Square
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14203
Owner Country: United States of America
Own Op: Document Repository
Sub Type: B99
Owner Name: Maurice Moore
Owner Company: New York State Department OF Environmental Conservation
Owner Address: 270 Michigan Avenue
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14203
Owner Country: United States of America
HW Code: C915309
Waste Type: arsenic
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: dibenz[a,h]anthracene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: benzo(g,h,i)perylene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: benzo(b)fluoranthene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: lead
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: benzo(a)pyrene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: mercury
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: benzo(a)anthracene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: indeno(1,2,3-CD)pyrene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309

SILOS AT ELK STREET SITE (Continued) **S120706180**

Waste Type: benzo[k]fluoranthene
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: C915309-01-17
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 2017-10-03 13:48:00
Record Updated: 2017-10-03 13:48:00
Updated By: MFMOORE
Crossref ID: 2017192886 Bk/PG D11319/1456
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2017-12-19 10:18:00
Record Updated: 2017-12-19 10:19:00
Updated By: MFMOORE
Crossref ID: 02/14/2017
Cross Ref Type Code: 26
Cross Ref Type: Agreement/Consent Order Date
Record Added Date: 2017-10-03 13:49:00
Record Updated: 2017-10-03 13:49:00
Updated By: MFMOORE

Site Code: 533076
Control Name: Landuse Restriction
HW Code: C915309
Control Code: 25
Control Type: INST
Dt record added: 07/27/2017
Dt rec updated: 12/28/2017
Updated By: MFMOORE
Site Code: 533076
Site Description: Location: The 50 Elk Street Site is located in a highly developed residential, commercial, and industrial area of the City of Buffalo. The site sits at the corner of Elk and Fulton Streets. Elk Street wraps around the western and southern portion of the site. Site Features: The approximately 1.9 acre site is improved with a vacant multi-story former industrial building and adjacent asphalt parking lot. The abandoned building is constructed of brick, metal, and concrete. Current Zoning and Land Use: The site is currently being renovated for office reuse. Land-use surrounding the site includes residential, commercial, and vacant industrial properties. Future use of the site is two-fold a portion of the site is suitable for restricted residential reuse and the former facility area is suitable for commercial reuse. Past Use of the Site: From 1889 to about 1899, the site was developed with numerous former residential and commercial buildings in addition to railroad tracks along the eastern portion of the site. Commercial operations include storefronts and taverns. From about 1899 to the 1980s, the site use remained consistent with historic uses adding a malting operation with storage areas, malting floors, a kiln, coal areas, engine rooms, offices, a transformer room, cleaning areas, and grain elevators/silos. Throughout the 1980s surrounding residential and commercial buildings were demolished leaving only the malting facility which from the 1980s has been vacant. Site Geology and Hydrogeology: The overburden material is a one or two foot clean soil cover above a ash-fill unit consisting of coal fragments, orange brick, glass, ceramic fragments, etc. underlain by a native, stiff lacustrine clay unit. The Buffalo

SILOS AT ELK STREET SITE (Continued) **S120706180**

River is approximately 0.6 miles south of the site. Regional groundwater appears to flow south and west towards the Buffalo River and Lake Erie. Local groundwater, found from approximately 5 to 10 feet below ground surface may be influenced by subsurface features, such as excavations, utilities and localized fill-conditions.

Env Problem: Remediation at the site is complete. Prior to remediation the primary contaminants of concern were metals including lead, mercury and arsenic. and semi-volatile organic compounds (SVOCs) including polycyclic aromatic hydrocarbons (PAHs), such as, benzo(a)pyrene, benzo(a)anthracene, benzo(b)fluoranthene, dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene in soil. Remedial actions have successfully achieved soil cleanup objectives for multiple uses including a portion for commercial use and a portion for restricted residential use. Residual contamination in the soil is being managed under a Site Management Plan.

Health Problem: This Health Assessment is presently being updated and will be posted upon receipt from the NYSDOH.

Dump: True
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 2017-01-23 11:34:00
Record Upd: 2017-12-19 16:27:00
Updated By: MFMOORE
Own Op: Owner
Sub Type: E
Owner Name: Shawn Wright
Owner Company: Brookfield Interest, LLC
Owner Address: 740 Seneca Street
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14210
Owner Country: United States of America
Own Op: Applicant/Requestor
Sub Type: P03
Owner Name: Shawn Wright
Owner Company: Silos at Elk Street, LLC
Owner Address: 740 Seneca Street
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14210
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Carol Ann Batt
Owner Company: Buffalo & Erie County Public Library
Owner Address: 1 Lafayette Square
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14203
Owner Country: United States of America
Own Op: Document Repository
Sub Type: B99
Owner Name: Maurice Moore
Owner Company: New York State Department OF Environmental Conservation

SILOS AT ELK STREET SITE (Continued) **S120706180**

Owner Address: 270 Michigan Avenue
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14203
Owner Country: United States of America
HW Code: C915309
Waste Type: arsenic
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: dibenz[a,h]anthracene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: benzo(g,h,i)perylene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: benzo(b)fluoranthene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: lead
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: benzo(a)pyrene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: mercury
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: benzo(a)anthracene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: indeno(1,2,3-CD)pyrene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: benzo[k]fluoranthene
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: C915309-01-17
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 2017-10-03 13:48:00
Record Updated: 2017-10-03 13:48:00
Updated By: MFMOORE
Crossref ID: 2017192886 Bk/PG D11319/1456
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2017-12-19 10:18:00
Record Updated: 2017-12-19 10:19:00
Updated By: MFMOORE
Crossref ID: 02/14/2017

SILOS AT ELK STREET SITE (Continued) **S120706180**

Cross Ref Type Code: 26
Cross Ref Type: Agreement/Consent Order Date
Record Added Date: 2017-10-03 13:49:00
Record Updated: 2017-10-03 13:49:00
Updated By: MFMOORE

Site Code: 533076
Control Name: Monitoring Plan
HW Code: C915309
Control Code: 31
Control Type: INST
Dt record added: 07/27/2017
Dt rec updated: 12/28/2017
Updated By: MFMOORE
Site Code: 533076
Site Description: Location: The 50 Elk Street Site is located in a highly developed residential, commercial, and industrial area of the City of Buffalo. The site sits at the corner of Elk and Fulton Streets. Elk Street wraps around the western and southern portion of the site. Site Features: The approximately 1.9 acre site is improved with a vacant multi-story former industrial building and adjacent asphalt parking lot. The abandoned building is constructed of brick, metal, and concrete. Current Zoning and Land Use: The site is currently being renovated for office reuse. Land-use surrounding the site includes residential, commercial, and vacant industrial properties. Future use of the site is two-fold a portion of the site is suitable for restricted residential reuse and the former facility area is suitable for commercial reuse. Past Use of the Site: From 1889 to about 1899, the site was developed with numerous former residential and commercial buildings in addition to railroad tracks along the eastern portion of the site. Commercial operations include storefronts and taverns. From about 1899 to the 1980s, the site use remained consistent with historic uses adding a malting operation with storage areas, malting floors, a kiln, coal areas, engine rooms, offices, a transformer room, cleaning areas, and grain elevators/silos. Throughout the 1980s surrounding residential and commercial buildings were demolished leaving only the malting facility which from the 1980s has been vacant. Site Geology and Hydrogeology: The overburden material is a one or two foot clean soil cover above a ash-fill unit consisting of coal fragments, orange brick, glass, ceramic fragments, etc. underlain by a native, stiff lacustrine clay unit. The Buffalo River is approximately 0.6 miles south of the site. Regional groundwater appears to flow south and west towards the Buffalo River and Lake Erie. Local groundwater, found from approximately 5 to 10 feet below ground surface may be influenced by subsurface features, such as excavations, utilities and localized fill-conditions.
Env Problem: Remediation at the site is complete. Prior to remediation the primary contaminants of concern were metals including lead, mercury and arsenic. and semi-volatile organic compounds (SVOCs) including polycyclic aromatic hydrocarbons (PAHs), such as, benzo(a)pyrene, benzo(a)anthracene, benzo(b)fluoranthene, dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene in soil. Remedial actions have successfully achieved soil cleanup objectives for multiple uses including a portion for commercial use and a portion for restricted residential use. Residual contamination in the soil is being managed under a Site Management Plan.
Health Problem: This Health Assessment is presently being updated and will be posted

SILOS AT ELK STREET SITE (Continued) **S120706180**

upon receipt from the NYSDOH.
Dump: True
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: Not reported
Disp Term: Not reported
Lat/Long: Not reported
Dell: Not reported
Record Add: 2017-01-23 11:34:00
Record Upd: 2017-12-19 16:27:00
Updated By: MFMOORE
Own Op: Owner
Sub Type: E
Owner Name: Shawn Wright
Owner Company: Brookfield Interest, LLC
Owner Address: 740 Seneca Street
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14210
Owner Country: United States of America
Own Op: Applicant/Requestor
Sub Type: P03
Owner Name: Shawn Wright
Owner Company: Silos at Elk Street, LLC
Owner Address: 740 Seneca Street
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14210
Owner Country: United States of America
Own Op: Document Repository
Sub Type: NNN
Owner Name: Carol Ann Batt
Owner Company: Buffalo & Erie County Public Library
Owner Address: 1 Lafayette Square
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14203
Owner Country: United States of America
Own Op: Document Repository
Sub Type: B99
Owner Name: Maurice Moore
Owner Company: New York State Department OF Environmental Conservation
Owner Address: 270 Michigan Avenue
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14203
Owner Country: United States of America
HW Code: C915309
Waste Type: arsenic
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: dibenz[a,h]anthracene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: benzo(g,h,i)perylene
Waste Quantity: UNKNOWN
Waste Code: Not reported

SILOS AT ELK STREET SITE (Continued) **S120706180**

HW Code: C915309
Waste Type: benzo(b)fluoranthene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: lead
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: benzo(a)pyrene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: mercury
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: benzo(a)anthracene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: indeno(1,2,3-CD)pyrene
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: C915309
Waste Type: benzo[k]fluoranthene
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: C915309-01-17
Cross Ref Type Code: 23
Cross Ref Type: Agreement/Consent Order Number
Record Added Date: 2017-10-03 13:48:00
Record Updated: 2017-10-03 13:48:00
Updated By: MFMOORE
Crossref ID: 2017192886 Bk/PG D11319/1456
Cross Ref Type Code: 25
Cross Ref Type: County Recording Identifier
Record Added Date: 2017-12-19 10:18:00
Record Updated: 2017-12-19 10:19:00
Updated By: MFMOORE
Crossref ID: 02/14/2017
Cross Ref Type Code: 26
Cross Ref Type: Agreement/Consent Order Date
Record Added Date: 2017-10-03 13:49:00
Record Updated: 2017-10-03 13:49:00
Updated By: MFMOORE

BROWNFIELDS:
Program: BCP
Site Code: 533076
Acres: 1.9
HW Code: C915309
SWIS: 1502
Town: Buffalo (c)
Record Added Date: 09/29/2016
Record Updated Date: 02/05/2018
Update By: CRSTANIS

SILOS AT ELK STREET SITE (Continued) **S120706180**

Site Description:	Location: The 50 Elk Street Site is located in a highly developed residential, commercial, and industrial area of the City of Buffalo. The site sits at the corner of Elk and Fulton Streets. Elk Street wraps around the western and southern portion of the site. Site Features: The approximately 1.9 acre site is improved with a vacant multi-story former industrial building and adjacent asphalt parking lot. The abandoned building is constructed of brick, metal, and concrete. Current Zoning and Land Use: The site is currently being renovated for office reuse. Land-use surrounding the site includes residential, commercial, and vacant industrial properties. Future use of the site is two-fold a portion of the site is suitable for restricted residential reuse and the former facility area is suitable for commercial reuse. Past Use of the Site: From 1889 to about 1899, the site was developed with numerous former residential and commercial buildings in addition to railroad tracks along the eastern portion of the site. Commercial operations include storefronts and taverns. From about 1899 to the 1980s, the site use remained consistent with historic uses adding a malting operation with storage areas, malting floors, a kiln, coal areas, engine rooms, offices, a transformer room, cleaning areas, and grain elevators/silos. Throughout the 1980s surrounding residential and commercial buildings were demolished leaving only the malting facility which from the 1980s has been vacant. Site Geology and Hydrogeology: The overburden material is a one or two foot clean soil cover above a ash-fill unit consisting of coal fragments, orange brick, glass, ceramic fragments, etc. underlain by a native, stiff lacustrine clay unit. The Buffalo River is approximately 0.6 miles south of the site. Regional groundwater appears to flow south and west towards the Buffalo River and Lake Erie. Local groundwater, found from approximately 5 to 10 feet below ground surface may be influenced by subsurface features, such as excavations, utilities and localized fill-conditions.
Env Problem:	Remediation at the site is complete. Prior to remediation the primary contaminants of concern were metals including lead, mercury and arsenic. and semi-volatile organic compounds (SVOCs) including polycyclic aromatic hydrocarbons (PAHs), such as, benzo(a)pyrene, benzo(a)anthracene, benzo(b)fluoranthene, dibenzo(a,h)anthracene and indeno(1,2,3-cd)pyrene in soil. Remedial actions have successfully achieved soil cleanup objectives for multiple uses including a portion for commercial use and a portion for restricted residential use. Residual contamination in the soil is being managed under a Site Management Plan.
Health Problem:	This Health Assessment is presently being updated and will be posted upon receipt from the NYSDOH.
Dump:	True
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	2017-01-23 11:34:00
Record Upd:	2017-12-19 16:27:00
Updated By:	MFMOORE
Own Op:	Owner
Sub Type:	E

SILOS AT ELK STREET SITE (Continued) **S120706180**

Owner Name:	Shawn Wright
Owner Company:	Brookfield Interest, LLC
Owner Address:	740 Seneca Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14210
Owner Country:	United States of America
Own Op:	Applicant/Requestor
Sub Type:	P03
Owner Name:	Shawn Wright
Owner Company:	Silos at Elk Street, LLC
Owner Address:	740 Seneca Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14210
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	NNN
Owner Name:	Carol Ann Batt
Owner Company:	Buffalo & Erie County Public Library
Owner Address:	1 Lafayette Square
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14203
Owner Country:	United States of America
Own Op:	Document Repository
Sub Type:	B99
Owner Name:	Maurice Moore
Owner Company:	New York State Department OF Environmental Conservation
Owner Address:	270 Michigan Avenue
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14203
Owner Country:	United States of America
HW Code:	C915309
Waste Type:	arsenic
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915309
Waste Type:	dibenz[a,h]anthracene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915309
Waste Type:	benzo(g,h,i)perylene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915309
Waste Type:	benzo(b)fluoranthene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915309
Waste Type:	lead
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915309
Waste Type:	benzo(a)pyrene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915309
Waste Type:	mercury
Waste Quantity:	UNKNOWN

SILOS AT ELK STREET SITE (Continued) **S120706180**

Waste Code:	Not reported
HW Code:	C915309
Waste Type:	benzo(a)anthracene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915309
Waste Type:	indeno(1,2,3-CD)pyrene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	C915309
Waste Type:	benzo[k]fluoranthene
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	C915309-01-17
Cross Ref Type Code:	23
Cross Ref Type:	Agreement/Consent Order Number
Record Added Date:	2017-10-03 13:48:00
Record Updated:	2017-10-03 13:48:00
Updated By:	MFMOORE
Crossref ID:	2017192886 Bk/PG D11319/1456
Cross Ref Type Code:	25
Cross Ref Type:	County Recording Identifier
Record Added Date:	2017-12-19 10:18:00
Record Updated:	2017-12-19 10:19:00
Updated By:	MFMOORE
Crossref ID:	02/14/2017
Cross Ref Type Code:	26
Cross Ref Type:	Agreement/Consent Order Date
Record Added Date:	2017-10-03 13:49:00
Record Updated:	2017-10-03 13:49:00
Updated By:	MFMOORE

62
SSW
1/4-1/2
0.363 mi.
1914 ft.

SAFETY KLEEN **NY LTANKS** **S103038244**
FOOT OF KATHERINE STREET **N/A**
BUFFALO, NY

Relative:
Higher

Actual:
589 ft.

LTANKS:

Facility ID:	9408523
Site ID:	231074
Closed Date:	1994-12-12
Spill Number:	9408523
Spill Date:	1994-09-26
Spill Cause:	Tank Overfill
Spill Source:	Commercial/Industrial
Spill Class:	C3
Cleanup Ceased:	1994-12-12
SWIS:	1502
Investigator:	RMCROSSE
Referred To:	Not reported
Reported to Dept:	1994-09-27
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	1994-09-27
Recommended Penalty:	False
Meets Standard:	True

SAFETY KLEEN (Continued) **S103038244**

UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1994-10-01
Spill Record Last Update:	1994-12-16
Spiller Name:	Not reported
Spiller Company:	BOOTH OIL CO
Spiller Address:	KATHERINE STREET
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	190427
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was RMC 09/27/94: RMC/COUCH/SITE AG TANK OVERFILL TO ROOF, THRU DOWN SPOUTS TO GROUND, 12 55 GALLON DRUMS FOR NORMAL DISPOSAL, REPORT ON SPILL AND WHY SPILL NOT REPORTED W/IN TWO HOURS DUE 10/30/94. 10/13/94: RMC/COUCH/SITE RECEIVED REPORT, DISPOSAL RECEIPT DUE 11/30/94. 12/12/94: RMC/CHARLIE COUCH/PHONE DISPOSAL RECEIPT TO BE SENT DUE 12/30/94. 12/12/94: RMC/RECEIVED DISPOSAL RECEIPTS, OK, CLOSE OUT. "
Remarks:	"TANK OVER FILL"

All Materials:

Site ID:	231074
Operable Unit ID:	1002654
Operable Unit:	01
Material ID:	377964
Material Code:	0022
Material Name:	waste oil/used oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	25.00
Units:	G
Recovered:	24.00
Oxygenate:	Not reported

N63 **COMMODORE PERRY COMPLEX** **NY LTANKS** **S103038221**
WSW **392 PERRY STREET** **N/A**
1/4-1/2 **BUFFALO, NY**
0.369 mi.
1948 ft. **Site 1 of 2 in cluster N**

Relative: **Lower**
Actual: **583 ft.**

LTANKS:

Facility ID:	9304172
Site ID:	98592
Closed Date:	1995-06-29
Spill Number:	9304172
Spill Date:	1993-07-01
Spill Cause:	Tank Overfill
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	C3
Cleanup Ceased:	1995-06-29
SWIS:	1502
Investigator:	SORGI
Referred To:	Not reported
Reported to Dept:	1993-07-01

COMMODORE PERRY COMPLEX (Continued) **S103038221**

CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Responsible Party
Last Inspection:	1993-07-02
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1993-07-02
Spill Record Last Update:	1995-07-03
Spiller Name:	Not reported
Spiller Company:	BUFFALO MUNICIPAL HOUSING
Spiller Address:	300 PERRY STREET
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	87699
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MJS 07/01/93: MJS/SITE - MET W/DRIVER OF TRUCK AND REP. OF BMHA. 20' X 30' AREA AFFECTED. SAND APPLIED. INFORMED THEM THAT SAND MUST BE PICKED UP AND PLACED IN CONTAINERS, STAGED, AND DISPOSED. 07/01/93: MJS/SITE -SAND PICKED UP. DRUMS STAGED INSIDE GARAGE. AFFECTED AREA STAINED. CLEANUP IS SATISFACTORY. 07/12/93: MJS SENT LETTER TO R.P. (KIRK FUEL). 07/16/93: RECEIVED LETTER FROM KURK FUEL. BMHA IS SOLITICITING BIDS FOR WORK. 07/23/93: RECEIVED LETTER FROM KURK FUEL STATING THEY ARE NOT RESPONSIBLE FOR SPILL. 07/26/93: MJS TELECON TO GREG KURK. HE STATES VENT SYSTEM ON TANK DOES NOT WORK PROPERLY. ONLY 70 GAL DELIVERED BEFORE SPILL OCCURRED. BMHA KNEW TANK VENT DID NOT WORK AND OPENED A CAP AT END OF TANK FOR VENT. 03/10/95: MJS REVIEW FILE. NEED DISPOSAL RECEIPTS AND ANALYTICAL RESULTS FOR CLOSURE OF FILE. LETTER TO BMHA. RESPONSE DUE 4/1/95. 03/16/95: MJS TELECON FROM MIKE DRUMSTA(BMHA). DRUMS OF SAND STILL ON SITE. NO SAMPLING DONE. HE WILL INITIATE SAMPLING AND DISPOSAL WITH BIDS. 06/27/95: MJS TELECON FROM MIKE DRUMSTA. DRUMS DISPOSED. HE WILL FORWARD DOCUMENTATION. 06/29/95: RECEIVED DISPOSAL DOCUMENTATION FROM RP. NO FURTHER ACTION REQUIRED. MJS CLOSE FILE. "
Remarks:	"#6 FUEL OIL CAME OUT VENT PIPE WHILE DRIVER WAS FILLING TANK FROM OTHER END."

All Materials:

Site ID:	98592
Operable Unit ID:	985869
Operable Unit:	01
Material ID:	554115
Material Code:	0002A
Material Name:	#4 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	15.00
Units:	G
Recovered:	15.00
Oxygenate:	Not reported

64
East
1/4-1/2
0.377 mi.
1991 ft.

CONTAMINATED SOIL
840 SENECA STREET
BUFFALO, NY

NY LTANKS
NY Spills

S100781910
N/A

Relative:
Higher

Actual:
589 ft.

LTANKS:

Facility ID:	9308488
Site ID:	118784
Closed Date:	1993-12-29
Spill Number:	9308488
Spill Date:	1993-10-08
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	B3
Cleanup Ceased:	1993-12-29
SWIS:	1502
Investigator:	SORGI
Referred To:	Not reported
Reported to Dept:	1993-10-08
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	1993-10-08
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	True
Remediation Phase:	0
Date Entered In Computer:	1993-10-13
Spill Record Last Update:	1994-01-11
Spiller Name:	Not reported
Spiller Company:	BUFFALO PLUMBING SUPPLY
Spiller Address:	840 SENECA STREET
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	103216
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MJS 10/08/93: MJS/TERRY PAQUIN/SITE - CONTAMINATED SOIL EXCAVATED AND STAGED ON PLASTIC. ADDITIONAL EXCAVATION NECESSARY. WILL HAVE THAT EXCAVATION DONE & SAMPLES TAKEN. WILL FORWARD PHASE I SITE ASSESSMENT. 10/25/93: MJS RECEIVED SITE ASSESSMENT AND MAGNETROMETER SURVEY. SURVEY INDICATES 5 LOCATIONS OF POSSIBLE UST'S. 1 LOCATION IS WHERE SOIL CONTAMINATION WAS. 11/08/93: MJS RECEIVED ANALYTICAL RESULTS ON EXCAVATION. 8021-NOTHING FOUND; 8270-BENZO(A)PYRENE AT 1300 PPB. ALL OTHER PARAMETERS NON-DETECT. 11/15/93: MJS TELECON TO CONSULTANT. NO FURTHER EXCAVATION NECESSARY. DEC NEEDS DISPOSAL RECEIPTS. MS PAQUIN FAXED ANALYTICAL FOR SOIL PILE. LETTER TO RP. 11/17/93: RECEIVED PHASE 3 ASSESSMENT FROM CONSULTANT. FILE WILL BE GIVEN I STATUS WHEN DISPOSAL RECEIPTS RECEIVED. 12/29/93: MJS RECEIVED DISPOSAL RECEIPT FOR CONTAMINATED SOIL. NO FURTHER ACTION REQUIRED. SITE IS INACTIVE . "
Remarks:	"CONTRACTOR DISCOVERED CONTAMINATED SOIL WHILE DIGGING FOR POSSIBLE UST'S."

All Materials:

Site ID:	118784
Operable Unit ID:	990026

CONTAMINATED SOIL (Continued) **S100781910**

Operable Unit: 01
Material ID: 394715
Material Code: 0009
Material Name: gasoline
Case No.: Not reported
Material FA: Petroleum
Quantity: .00
Units: Not reported
Recovered: .00
Oxygenate: Not reported

SPILLS:
Facility ID: 0711535
Facility Type: ER
Spill Number: 0711535
DER Facility ID: 103216
Site ID: 393034
DEC Region: 9
Closed Date: 2010-09-24
Spill Cause: Other
Spill Class: Not reported
SWIS: 1502
Spill Date: 2008-02-01
Investigator: fxgalleg
Referred To: Not reported
Reported to Dept: 2008-02-01
CID: 444
Water Affected: Not reported
Spill Source: Commercial/Industrial
Spill Notifier: Other
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: Not reported
Remediation Phase: 0
Date Entered In Computer: 2008-02-01
Spill Record Last Update: 2010-09-24
Spiller Name: TOM FORBES
Spiller Company: Not reported
Spiller Address: 840 SENECA STREET
Spiller Company: 001
Contact Name: TOM FORBES
DEC Memo: "2/5/08 FG SPOKE TO TOM FORBES. CHARLES HERBERT IS THE OWNER, HOWARD SAPERSTON IS THE REALTOR. UNILOCK IS THE PROSPECTIVE PURCHAER WHO COMPLETED THE WORK. THE SITE WAS A FORMER SERVICE STATION. FOUND PETROLEUM CONTAMINATION AND AN ABANDONED UST. SAMPLES ARE IN THE LAB FOR ANALYSIS. THEY WILL SUBMIT A REPORT BY 3/10/08 ONCE THEY RECEIVE APPROVAL FROM THEIR CLIENT. 6/11/08 RECD THE 2/29/08 PHASE II SITE INVESTIGATION REPORT. TEST PITS AND TEMPORARY WELLS WERE ADVANCED. TWO UST'S - 1 - 550 GALLON AND 1 - 1000GALLON WERE DISCOVERED. PETROLEUM CONTAMINATION WAS FOUND IN BOTH THE SOIL AND GROUNDWATER AT LEVELS THAT EXCEEDED THE GUIDELINES SLIGHTLY. 7/28/08 CHARLES HERBERT, OWNER OF THE PROPERTY FAXED CITY PERMIT INFORMATION THAT INDICATES GULF OIL HAD INVOLVEMENT AT THE SITE. MR. HERBERT INDICATES THAT HE OWNED THE BUILDING AND PROPERTY FOR 20 + YEARS AND NEVER PUT

CONTAMINATED SOIL (Continued) **S100781910**

1 TANK IN THE GROUND OR DID ANYTHING TO INJURE THE ENVIRONMENT. FG SPOKE TO MR. HERBERT AND HE WILL LOOK FOR ADDITIONAL INFORMATION REGARDING GULF'S INVOLVEMENT AT THE SITE. 5/28/09 FG SITE VISIT. MET CHARLES HERBERT ON SITE ALONG WITH CONTRACTOR. UNCOVERED UST'S. MR. HERBERT WILL REMOVE UST'S AND WILL PROVIDE A PLAN. 7/23/09 FG SPOKE TO CHARLES HERBERT 818-4938. HE SAID HE CAN'T GET HIS CONTRACTOR ON SITE AND IS STILL TRYING. HE WILL CALL ME BACK IN THE AM. 4/22/10 FG SITE INSPECTION. NATURES WAY ON SITE. 500 GALLON WASTE OIL UST REMOVED FROM BACK OF PROPERTY - NO CONTAMINATION EVIDENT. EXCAVATION SAMPLES COLLECTED. 4 UST'S UNCOVERED IN AREA OF FORMER GAS STATION. ONE REMOVED - 1000 GALLON. MR. HERBERT ON SITE. DID NOT AUTHORIZE NATURE'S WAY TO COMPLETE THE ADDITIONAL UST REMOVALS AND ASSOCIATED PETROLEUM CONTAMINATION. 818-4938 CELL PHONE. 5/4/10 FG TELECONFERENCE WITH WARREN BATES AND MICHELLE DYGAN OF CHEVRON. THEY SAID THEY SPOKE TO MR. HERBERT. THEY BOUGHT THE PROPERTY IN 1953 FROM HAMBLETON TERMINAL CORP AND SOLD IT IN 1971 WITH THE STIPULATION THAT IT WAS NEVER TO BE USED AS A GAS STATION. MS. DYGAN WILL SPEAK TO DAN WIK WITH NATURE'S WAY TO GET THE SPECIFICS ON THE CONTAMINATION REMAINING ON SITE AND THE TANKS DISCOVERED. THEY ARE PREPARED TO COME ON SITE ON WED 5/12/10 IF THE UST'S COULD BE UNCOVERED BY THAT TIME. THEY WILL NOT TAKE RESPONSIBILITY FOR THE UST'S DISCOVERED BECAUSE THE PERMITS INDICATED THE TANKS THEY INSTALLED WERE REMOVED BUT THEY WILL STEP UP AND ADDRESS THE CONTAMINATION. THEY WON'T REMOVE THE UST'S DISCOVERED. THEY ARE REQUESTING ANALYTICAL DATA. THEY WILL SPEAK TO MR. WIK AND MR. HERBERT AGAIN AND CALL BACK BEFORE THE END OF THE WEEK. 7/2/10 GREG WEBBER WITH NATURES' WAY CALLED AND SAID THAT THEY WILL BE REMOVING THE UST'S ON 7/12/10. NOTIFICATION IS BEING MADE IN ACCORDANCE WITH THE REQUIREMENTS OF THE DER10. 7/12/10 FG SITE INSPECTION. NATURE'S WAY LEAVING FOR THE DAY. THEY HAD REMOVED TWO UST'S AND WILL CUT THEM OPEN AND CLEAN THEM OUT TOMORROW. 7/13/10 FG SITE INSPECTION. NATURE'S WAY ON SITE. UST'S BEING CUT OPEN AND CLEANED OUT. HOLES APPARENT IN UST'S. PIPING AND CONTAMINATION WILL BE REMOVED AND PROPERLY DISPOSED. WORK TO CONTINUE TODAY. MS. LAUREN BOGLE SUBMITTED THE RESULTS OF THE BORING PROGRAM COMPLETED ON 6/24/10. 13 BORINGS WERE COMPLETED AND ONLY 6 LOCATIONS HAD SAMPLES COLLECTED. NO BORING LOGS WERE PROVIDED. THIS DATA IS BEING USED TO DETERMINE THE LIMITS OF THE EXCAVATION. 7/14/10 FG SITE INSPECTION. ADDITIONAL SOIL AND PIPING REMOVED. WORK TO CONTINUE. 7/15/10 FG SITE INSPECTION. ADDITIONAL SOIL REMOVED AND DISPOSED. 8/13/10 RECEIVED THE 8/3/10 UST REMOVAL REPORT PREPARED FOR CHARLE HERBERT FOR 840 SENECA ST. THE REPORT INCLUDED ONLY THE WORK DONE BY MR. HERBERT BEFORE CHEVRON'S INVOLVEMENT IN THE PROPERTY. ONE WASTE OIL AND ONE 1000 GALLON UST'S WERE REMOVED. THE EXCAVATION RESULTS FROM THE WASTE OIL UST WERE BELOW TAGM 4046 AND NO SAMPLES WERE COLLECTED FROM THE 1000 GALLON UST EXCAVATION BECAUSE IT WAS OBVIOUSLY CONTAMINATED. SUBSEQUENT TO THIS WORK, CHEVRON COMPLETED THE REMAINING SOIL REMOVAL AS THEY ARE THE RESPONSIBLE PARTY. 9/24/10 FG RECD THE SAIC (FOR CHEVRON) 9/16/10 SITE INVESTIGATION/UNDERGROUND STORAGE TANK REMOVAL REPORT. 5 USTS WERE REMOVED. 1360.13 TONS OF HYDROCARBON IMPACTED SOIL WERE TRANSPORTED OFFSITE BY NATURE'S WAY FOR DISPOSAL AT CID LANDFILL IN CHAFFEE. THE EXCAVATION WAS BACKFILLED AFTER SAMPLES WERE COLLECTED. 31 CONFIMATORY SOIL SAMPLES WERE COLLECTED. 3 OF THE 16 BOTTOM SAMPLES EXCEEDED TAGM STANDARDS. 3 OF THE 15 BOTTOM SAMPLES EXCEEDED TAGM STANDARDS. ALL DISPOSAL RECEIPTS HAVE BEEN RECEIVED. THE DEPARTMENT IS REQUIRING NO FURTHER WORK AND THE SITE IS INACTIVE DUE TO THE EXCEEDANCES NOTED ABOVE."

Remarks: "PHASE TWO INVESTIGATION FOUND CONTAMINATED SOIL"

CONTAMINATED SOIL (Continued) **S100781910**

All Materials:

Site ID:	393034
Operable Unit ID:	1150009
Operable Unit:	01
Material ID:	2140571
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

N65 **COMMODORE PERRY PROJECT** **NY LTANKS S102245082**
WSW **386 PERRY ST** **NY Spills N/A**
1/4-1/2 **BUFFALO, NY**
0.378 mi.
1995 ft. **Site 2 of 2 in cluster N**

Relative: **Lower**
Actual: **582 ft.**

LTANKS:

Facility ID:	0805442
Site ID:	402540
Closed Date:	2009-01-06
Spill Number:	0805442
Spill Date:	2008-08-11
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	E5
Cleanup Ceased:	Not reported
SWIS:	1502
Investigator:	TDJOHNSO
Referred To:	Not reported
Reported to Dept:	2008-08-11
CID:	408
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	Not reported
Remediation Phase:	0
Date Entered In Computer:	2008-08-11
Spill Record Last Update:	2009-09-25
Spiller Name:	MICHAEL LYONS
Spiller Company:	MUNICIPAL HOUSING AUTHORI
Spiller Address:	386 TERRY ST
Spiller County:	001
Spiller Contact:	MICHAEL LYONS
Spiller Phone:	(716) 836-4994
Spiller Extention:	210
DEC Region:	9
DER Facility ID:	68564
DEC Memo:	"08/11/08 TJ, SPOKE WITH MIKE LYONS OF MUNICIPAL HOUSING AUTHORITY, TANK TEST ON ABOVE GROUND 25,00 GALL #2 FUEL OIL TANK HAD A LINE FAILURE DURING TANK TEST, NOT LEAKING AND FUEL OIL NOT USED, WILL

COMMODORE PERRY PROJECT (Continued) **S102245082**

MAKE DECISION ON PROBLEM. 08/13/08 TJ, SPOKE WITH MIKE LYONS, HE STATED THAT THEY WILL HAVE CONSULTANT DO LINE TEST TO DETERMINE PROBLEM AREA AND FIX OR MAKE CHANGES TO HOLDING TANKS. 01/06/09 TDJ MIKE LYONS IS HAVING ALL LINES TIGHTENED AND RETESTED. THE TANK IS JUST HOLDING OIL TO MAKE USE OF OTHER ENERGY SOURCES CHEAPER. NO SPILL AREAS OF CONCERN. 09/08/09 TDJ RECEIVED TANK TIGHT TEST AFTER LINES WERE RE-FITTED, TANK PASSED TEST, NO FURTHER ACTION FILE CLOSED ELECTRONIC ONLY"

Remarks: "PBS No: 9-067164 DRY PORTION LEAK;"

All TTF:

Facility ID:	0805442
Spill Number:	0805442
Spill Tank Test:	2486639
Site ID:	402540
Tank Number:	Not reported
Tank Size:	25000
Material:	0001
EPA UST:	Not reported
UST:	True
Cause:	99
Source:	Not reported
Test Method:	03
Test Method 2:	Horner EZ Check I or II
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Watchdog
Last Modified Date:	Not reported

All Materials:

Site ID:	402540
Operable Unit ID:	1159292
Operable Unit:	01
Material ID:	2150411
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Facility ID:	8710146
Site ID:	71409
Closed Date:	1988-06-09
Spill Number:	8710146
Spill Date:	1988-03-03
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Not reported
Cleanup Ceased:	1988-06-09
SWIS:	1502
Investigator:	MXFRANKS
Referred To:	Not reported
Reported to Dept:	1988-03-03

COMMODORE PERRY PROJECT (Continued) **S102245082**

CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1988-03-04
Spill Record Last Update:	1988-06-14
Spiller Name:	Not reported
Spiller Company:	BUFFALO HOUSING AUTHORITY
Spiller Address:	386 PERRY STREET
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	67571
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MF 03/04/88: MF TO INVESTIGATE. 03/08/88: MF TELECON GARY COUGHLIN, THE HOUSING AUTHORITY IS TAKING BIDS TO REPLACE GASKETS ON THE TANKS. WHEN THE GASKETS ARE REPLACED THE TANKS WILL BE RETESTED. 05/02/88: MF TELECON GARY, GASKETS REPLACED & BOTH TANKS RETESTED, BOTH FAILED. MF MR. LYNE (LAKEVIEW HOUSING 852-1486). BOTH TANKS WILL BE ISOLATED & RETESTED WEDNESDAY 5-4-88. 05/05/88: MF (MJH) JOHN KUDLA TELECON. TANK #1 FAILED ISOLATION RETEST (5/4/88). 5/5/88 JOHN TELECON, TANK #2 FAILED ISOLATION RETEST. LETTER SENT TO GARY COUGHLIN TO REMOVE PRODUCT & TANKS. 05/26/88: MF TELECON MR. LYNE, NOT IN, TO RETURN CALL. 05/31/88: MF TELECON STAN KLOCEK, TANKS ARE NOT EMPTIED, HE WANTS TO RETEST THEM BECAUSE OF COST TO REMOVE THEM & PRODUCT HAS BEEN MONITORED WITH NO LOSS. I GAVE UNTIL THE END OF THE WEEK TO RETEST. 06/06/88: MF TELECON STAN KLUCEK, ENVIRONMENTAL OIL RETESTED BOTH TANKS 6/3/88 (PASSED). PROBLEM WITH REMOTE FILLS (NOT BLED). REPORTS TO BE SENT TO ME. 06/09/88: MF RECEIVED RETEST RESULTS, TANKS PASSED RETEST. "
Remarks:	"2-25K TANKS LEAKED FROM MAN HOLE GASKET WHILE SETTING UP FOR TANK TEST. GASKETS WILL BE REPLACED & RETEST PLANED."

All TTF:

Facility ID:	8710146
Spill Number:	8710146
Spill Tank Test:	1533366
Site ID:	71409
Tank Number:	001
Tank Size:	0
Material:	Not reported
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

COMMODORE PERRY PROJECT (Continued) **S102245082**

Facility ID:	8710146
Spill Number:	8710146
Spill Tank Test:	1533367
Site ID:	71409
Tank Number:	002
Tank Size:	0
Material:	Not reported
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	71409
Operable Unit ID:	915078
Operable Unit:	01
Material ID:	461928
Material Code:	0002A
Material Name:	#4 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	5.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Facility ID:	8800864
Site ID:	71410
Closed Date:	1988-05-02
Spill Number:	8800864
Spill Date:	1988-04-27
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Not reported
Cleanup Ceased:	1988-05-02
SWIS:	1502
Investigator:	MXFRANKS
Referred To:	Not reported
Reported to Dept:	1988-04-28
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1988-04-28
Spill Record Last Update:	1988-05-02
Spiller Name:	Not reported

COMMODORE PERRY PROJECT (Continued) **S102245082**

Spiller Company:	BUFFALO HOUSING AUTHORITY
Spiller Address:	386 PERRY STREET
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	67571
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MF 04/28/88: MF TO INVESTIGATE. 05/02/88: MF SEE SPILL 8710146 THIS IS ORIGINAL SPILL. THIS SPILL (8800864) IS A RETEST 0F 8710146. "
Remarks:	"TANK LEAKING AT NIPPLE ON TOP. NIPPLE TO BE REPLACED & TANK RETESTED."

All TTF:

Facility ID:	8800864
Spill Number:	8800864
Spill Tank Test:	1533779
Site ID:	71410
Tank Number:	Not reported
Tank Size:	0
Material:	0003
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	00
Test Method 2:	Unknown
Leak Rate:	.00
Gross Fail:	Not reported
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	71410
Operable Unit ID:	916355
Operable Unit:	01
Material ID:	460034
Material Code:	0003A
Material Name:	#6 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

SPILLS:

Facility ID:	9512973
Facility Type:	ER
Spill Number:	9512973
DER Facility ID:	68564
Site ID:	72702
DEC Region:	9
Closed Date:	1996-12-01
Spill Cause:	Human Error

COMMODORE PERRY PROJECT (Continued) **S102245082**

Spill Class:	A3
SWIS:	1502
Spill Date:	1996-01-17
Investigator:	PRINGLE
Referred To:	Not reported
Reported to Dept:	1996-01-18
CID:	270
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	1996-03-25
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1996-01-18
Spill Record Last Update:	2002-03-15
Spiller Name:	STANLEY KLOCEK
Spiller Company:	BUFFALO MUNICIPAL HOUSING
Spiller Address:	300 PERRY STREET
Spiller Company:	001
Contact Name:	MIKE LYONS
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MNP 01/18/96: MNP RESPONSE. MET W/ GARY COUGHLIN & STANLEY KLOCEK - BMHA. TANK OVERFILLED DURING TRANSFER FROM ONE 25,000 GAL #4 HEATING OIL TANK TO ANOTHER. OIL FLOWED FROM FILLPORT ACROSS CONCRETE PAD & DOWN CRACK IN CONCRETE WALL ONTO NYSTA PROPERTY & ALONG WALL TO BMHA BUILDING. ALSO, CRACKS IN TANK PIT AREA ALLOWED SOME SEEPAGE INTO TANK PIT AREA. A RECEIVER LOCATED IN THE TANK PIT WAS ALSO FILLED W/ OIL. KLOCEK HIRED ENVIRONMENTAL SERVICE GROUP TO DO CLEANUP. BUFFALO FD ARRIVED ON SCENE, THEN SEVERAL TV & OTHER MEDIA. NO ACTION NEEDED BY FD THEY LEFT. I MET W/ STEVE DABNEY - NYSTA. WE CHECKED RECEIVER DRAIN AT LOUISIANNA & ENTRANCE RAMP TO I190-S, NO OIL PRESENT. CHECKED DITCH UPGRADIENT TOWARD SPILL AREA, NO OIL IN DITCH YET, BUT OIL NEARBY. JIM WEHNER - ENV SERV GROUP ARRIVED, WE CHECKED SPILL AREA & MET W/ GARY HART & STEVE DABNEY - NYSTA. WEHNER TO GET WORK PERMIT FROM NYSTA. OIL TO BE VACCED & CONTAMINATED SOIL EXCAVATED. DITCH TO BE BOOMED. PICTURES TAKEN. 01/18/96: MNP INSP. BISON WASTE OIL VAC TRUCK ON SITE PICKING UP OIL. 1ST PUMPER TRUCK RECOVERED 150 GALS OIL. BACKHOE ARRIVED BEFORE I LEFT, WEHNER PLANS TO BERM DITCH & START SCRAPING CONTAMINATED SOIL. ALSO TO DIG SUMP PIT TO COLLECT OIL COMING FROM CRACK IN TANK PIT WALL. DRAIN IN TANK PIT VACCED OUT. FOUND OUT DRAIN IN TANK PIT GOES TO SANITARY SEWER TO PERRY STREET VIA HAYWARD ST. WEHNER SAID BSA & HE CHECKED MH. WEHNER & I CHECKED AGAIN, NO VISIBLE OIL. I REQUESTED HE PUT BOOM IN SEWER. 01/18/96: MNP INSP. SOME EXCAVATION OF CONTAMINATED SOIL TO NYSTA DITCH, VACCING OIL FROM SUMP PIT, WORK TO CONTINUE UNTIL DARK & RESUME TOMORROW. 01/19/96: MNP TELECON W/ JIM WEHNER MORE OIL SEEPED OUT FROM TANK PIT DURING NIGHT. TO VAC OUT & DIG INTERCEPTION TRENCH, THEN EXCAVATE MORE CONTAMINATED SOIL TODAY. 01/19/96: MNP INSP. OIL & WATER IN COLLECTION TRENCHES. NO OIL IN RECEIVER DRAIN AT LOUISIANNA. BISON OIL VAC TRUCK & JIM WEHNER ARRRIVED. WORK UNDERWAY. PICTURES TAKEN. 01/22/96: MNP TELECON W/ JIM WEHNER - ENV SERV GROUP. DUG MORE CONTAMINATED SOIL 1/20/96 & FOUND CLAY DRAIN TILE NEXT TO TANK PIT WALL W/ SOME OIL IN IT. OIL & GROUNDWATER SEEPING INTO EXCAVATION. TO MEET ON SITE TO DISCUSS. 01/22/96: MNP INSP & MEETING W/ JIM WEHNER &

COMMODORE PERRY PROJECT (Continued) **S102245082**

STANLEY KLOCEK. OIL & WATER IN EXCAVATION ON NORTH SIDE OF TANK PIT WALL. OIL ENTERED EXCAVATION VIA KNOWN CRACK & ANOTHER AREA. KLOCEK CONCERNED ABOUT CONCRETE WALL BUCKLING BECAUSE EXCAVATION GOES DOWN TO FOOTER. WEHNER PLANS TO SOAK UP OIL TODAY, THEN PUMP OUT WATER TOMORROW & BACKFILL HOLE. TO INSTALL MW IN SUMP AREA NEAR CRACK IN CONCRETE WALL TO COLLECT OIL. I RECOMMENDED SEPARATE THAT AREA FROM THE REST OF THE EXCAVATION TO CONTAIN OIL IN VICINITY OF MW FOR COLLECTION. ESTIMATE OVER 200 YDS. CONTAMINATED SOIL TO BE DISPOSED AT LAKE VIEW LANDFILL BY 1/26/96. AMOUNT SPILLED NOW ESTIMATED AT 1100 GALS INSTEAD OF 2000 GALS INITIALLY REPORTED. APPROXIMATELY 300 GALS OIL RECOVERED SO FAR. 01/23/96: MNP INSP. ENV SERV GROUP ON SITE. OIL & WATER PUMPED OUT OF EXCAVATION, HOLE LINED W/ LINED W/ GEOFABRIC. CLAY BARRIER AT EAST END. 4 LATERAL SCREEN PUT IN BOTTOM OF HOLE & 4 MW INSERTED, THEN BACKFILLED W/ 3' OF PEA GRAVEL. WEHNER TO EXCAVATE ADDITIONAL CONTAMINATION FROM WEST END OF HOLE & GRASS AREAS. ALSO, TO DIG ALONG CLAY TILE TO DETERMINE EXTENT OF OIL. 01/26/96: MNP INSP. ENV SERVICE GROUP LOADING 7TH TRUCKLOAD OF CONTAMINATED SOIL. OIL & WATER IN EXCAVATION NEXT TO PARKING AREA. THEY TRIED TO MIX IN DIRT & DISPOSE, BUT BUT TOO MUCH GROUNDWATER. THEY WILL PAD & VAC OUT OIL & WATER IF NECCESSARY. NYSTA GRASS AREA CLEANUP SATISFACTORY. THEY WILL RESTORE PROPERTY TO NYSTA SPECS IN THE SPRING. I CHECKED NEW MW NEXT TO TANK PIT WALL, NO OIL OR SHEEN. 02/16/96: RECEIVED TENTATIVE SCOPE OF & WORK SCHEDULE FOR ENV. SERVICE GROUP. TO FLUSH TANK PIT AREA & COLLECT OIL IN RECOVERY WELL. TO MONITOR RECOVERY WELL & DRUM OIL AS NEEDED. TO RESTORE NYST PROPERTY LATE MARCH, DISPOSING ANY ADDITIONAL CONTAMINATED SOIL AS NEEDED. MONITORING REPORT SUBMITTAL TO DEC NOT MENTIONED. OTHERWISE WORK PLAN SATISFACTORY. COPY OF LAKEVIEW LANDFILL SOIL DISPOSAL RECEIPTS ATTACHED. 02/16/96: MNP TELECON W/ MIKE DRUMSTA - BMHA. DISCUSSED WORK PLAN, NO SPECIFIC DATES NOR MONTHLY MONITORING REPORT MENTIONED. HE WILL ADVISE MIKE LYONS WHO IS COORDINATING CONTRACTOR WORK. 02/26/96: MNP INSP. & MEETING W/ MIKE LYONS - BMHA. HE GAVE ME COPY OF CONTRACT W/ SUMMARY OF WORK DONE TO DATE. BMHA WILL INCLUDE PROVISION FOR MONTHLY MONITORING REPORT IN FINAL DRAFT TO ENV SERV GROUP. TELECON W/ JIM WEHNER - ESG. NO OIL ACCUMULATION IN RW, SINCE INSTALLATION. DISCUUSED FLUSHING, MW INSTALLATION, BIOREMEDIATION OPTIONS FOR TANK PIT. AGREED TO WAIT UNTIL MID MARCH & RE-EVALUATE NEED FOR ACTIVE REMEDIATION IN TANK PIT. MIKE LYONS & I CHECKED RW W/ BAILER, NO VISIBLE OIL OR SHEEN. NOTE RW DIRECTLY IN FRONT OF CRACK IN CONCRETE WALL WHERE OIL SEEPAGE OCCURRED. MIKE LYONS WILL CONTACT ME BY 3/16/96 TO DISCUSS FURTHER CLEANUP OPTIONS. 03/25/96: MNP INSP. CHECKED MW NO BAILER IN WELL, NO PETROLEUM ODOR NOTED. 04/26/96: MNP TELECON W/ JIM WEHNER - ESG. BMHA DOING ALL MONITORING. WEHNER THINKS TANK PIT SHOULD BE FLUSHED. I AGREED THAT SOMETHING SHOULD BE DONE & WILL CONTACT BMHA. 04/26/96: MNP TELECON W/ MIKE LYONS - BMHA. HE TOLD ME THEY HAVE BEEN CHECKING THE MW W/ A BAILER EVERY 2 WEEKS, BUT HAVE ONLY FOUND WATER. I ADVISED HIM THAT EVEN THOUGH NO OIL PRODUCT HAS SHOWED UP IN THE MW, THE TANK PIT MAY CONTAIN A SIGNIFICANT AMOUNT OF OIL. WE DISCUSSED ESG'S FLUSHING OPTION OR DO A SITE ASSESSMENT IN THE THE TANK PIT AREA. LYONS AGREED TO SUBMIT A PLAN BY 4/13/96. 04/26/96: MNP TELECON W/ JIM WEHNER - ESG. TOLD HIM ABOUT DISCUSSIONS W/ BMHA. 05/09/96: MNP TELECON W/ MIKE LYONS - BMHA. HE RECEIVED REMEDIATION PROPOSAL FROM ESG. HE AGREED TO FAX COPY FOR DEC REVIEW. 05/09/96: RECEIVED FAX COPY OF ESG REMEDITION PROPOSAL. 05/23/96: MNP REVIEW OF ESG 2/9/96 & 4/26/96 REMEDIATION PROPOSALS. 1ST PROPOSAL INCLUDED SURFACE SOIL RESTORATION, FENCE REPAIR, SEWER INSPECTION, MONITOR & PUMPING OF OIL/WATER FROM WELL, DISPOSAL. 2ND

COMMODORE PERRY PROJECT (Continued) **S102245082**

PROPOSAL - PHASE 1) INCLUDED FLUSHING TANK AREA W/ HIGH PRESSURE HOT WATER & BIOSOLVE VIA CRACKS IN CONCRETE, THEN SEE IF OIL SHOWS UP IN WELL. PHASE2) IF NEEDED WOULD INVOLVE BORINGS IN TANK FIELD & INJECTION OF FLUSHING SOLUTION. 05/23/96: MNP TELECON W/ MIKE LYONS - BMHA & JIM WEHNER - ESG. THEY PROPOSE TO PUMP WELL OVER SEVERAL DAYS TO SEE IF OIL SHOWS UP. THIS REVISED PLAN IN LIEAU OF FLUSHING BECAUSE OF CONCERN THAT THE SAND WILL BE DISTURBED CAUSING PROBLEMS WITH TANK STABILITY. ALSO, THIS WOULD BE MORE COST EFFECTIVE. THEY NOTED THAT THE TANKS WOULD BE DUE FOR REMOVAL BY 1998 PER FEDERAL REGULTIONS ANYWAY. I AGREED THIS APPROACH WOULD BE SATISFACTORY, BUT MAY REQUIRE ADDITIONAL WORK DEPENDENT UPON THE RESULTS. I REQUESTED THEY RECORD DTW IN WELL BEFORE & AFTER PUMPING, AS WELL AS AMOUNT OF WATER PUMPED. LYONS WILL NOTIFY ME WHEN WORK TO BE DONE, EXPECT TO DO NEXT WEEK."

Remarks: "pumping tank to another-tank overflowed."

All Materials:

Site ID:	72702
Operable Unit ID:	1027315
Operable Unit:	01
Material ID:	356707
Material Code:	0002A
Material Name:	#4 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2000.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

66
NW
1/4-1/2
0.399 mi.
2107 ft.

BUFFALO SCHOOL #6 **NY LTANKS** **S106972245**
HICKORY ST. @ S. DIVISION **N/A**
BUFFALO, NY

Relative: Higher

Actual: 591 ft.

LTANKS:

Facility ID:	0550673
Site ID:	349570
Closed Date:	2005-09-07
Spill Number:	0550673
Spill Date:	2005-07-20
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	Not reported
Cleanup Ceased:	Not reported
SWIS:	1502
Investigator:	FXGALLEG
Referred To:	Not reported
Reported to Dept:	2005-07-20
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	False
UST Involvement:	False

BUFFALO SCHOOL #6 (Continued) **S106972245**

Remediation Phase:	0
Date Entered In Computer:	2005-07-20
Spill Record Last Update:	2005-09-07
Spiller Name:	Not reported
Spiller Company:	Not reported
Spiller Address:	Not reported
Spiller County:	Not reported
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	296007
DEC Memo:	"7/20/05 FG SITE INSPECTION. CONTAMINATION FOUND ONLY AROUND THE LINES. OP TECH WOULD REMOVE AND STAGE ON PLASTIC. 7/21/05 FG SITE INSPECTION. UST REMOVED AND EXCAVATION HAD REMNANTS OF THE TAR THAT IS ON THE OUTSIDE OF OLDER UST'S BUT NO CONTAMINATION NOTED. PETROLEUM CONTAMINATED SOIL STAGED ON PLASTIC ON SITE. 7/29/05 RECD THE EXCAVATION ANALYTICAL RESULTS AND ALL BDL. 9/7/05 RECD DISPOSAL RECPT. SITE IS CLOSED."
Remarks:	"CALLER SAID THAT WHILE REMOVING A 10000 GAL UST(#6 FUEL OIL),THEY ENCOUNTERED CONTAMINATED SOIL."

All Materials:

Site ID:	349570
Operable Unit ID:	1107159
Operable Unit:	01
Material ID:	2097054
Material Code:	0003A
Material Name:	#6 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	Not reported
Units:	G
Recovered:	Not reported
Oxygenate:	False

67
SSW
1/4-1/2
0.420 mi.
2217 ft.

GIBRALTAR STEEL CORPORATION **NY LTANKS** **U003316387**
635 SOUTH PARK AVENUE **NY UST** **N/A**
BUFFALO, NY 14240

Relative:
Lower

Actual:
582 ft.

LTANKS:

Facility ID:	9208402
Site ID:	231814
Closed Date:	1992-10-19
Spill Number:	9208402
Spill Date:	1992-08-22
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	D4
Cleanup Ceased:	1992-10-19
SWIS:	1502
Investigator:	BRENNAN
Referred To:	Not reported
Reported to Dept:	1992-10-19
CID:	Not reported

GIBRALTAR STEEL CORPORATION (Continued) **U003316387**

Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1992-10-23
Spill Record Last Update:	1999-10-13
Spiller Name:	Not reported
Spiller Company:	GIBRALTOR STEEL CORP.
Spiller Address:	635 SOUTH PARK AVENUE
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	191016
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was KAB 10/19/92: KAB - RECEIVED DOCUMENTATION CONFIRMING CLEANUP. "
Remarks:	"RECEIVED REPORT FROM GREEN ENVIRONMENTAL. LETTER FROM GIBRALTAR METAL STATED THAT, DURING EXCAVATION, TANK LEAKED VIRGIN #2 HEATING FUEL TO THE SURROUNDING SOIL."

All Materials:

Site ID:	231814
Operable Unit ID:	975212
Operable Unit:	01
Material ID:	405504
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	L
Recovered:	.00
Oxygenate:	Not reported

UST:

Id/Status:	9-018171 / Unregulated/Closed
Program Type:	PBS
Region:	STATE
DEC Region:	9
Expiration Date:	N/A
UTM X:	185019.58978
UTM Y:	4753617.78685
Site Type:	Manufacturing (Other than Chemical)/Processing

Affiliation Records:

Site Id:	52038
Affiliation Type:	Facility Owner
Company Name:	GIBRALTAR STEEL CORPORATION
Contact Type:	Not reported
Contact Name:	Not reported
Address1:	635 SOUTH PARK AVENUE
Address2:	Not reported
City:	BUFFALO

GIBRALTAR STEEL CORPORATION (Continued) **U003316387**

State: NY
Zip Code: 14240
Country Code: 001
Phone: (716) 856-6500
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

Site Id: 52038
Affiliation Type: Mail Contact
Company Name: GIBRALTAR STEEL CORPORATION
Contact Type: Not reported
Contact Name: ERIC LIPKE
Address1: 635 SOUTH PARK AVENUE
Address2: Not reported
City: BUFFALO
State: NY
Zip Code: 14240
Country Code: 001
Phone: (716) 856-6500
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

Site Id: 52038
Affiliation Type: Facility Operator
Company Name: GIBRALTAR STEEL CORPORATION
Contact Type: Not reported
Contact Name: GIBRALTAR STEEL CORPORATION
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (716) 856-6500
EMail: Not reported
Fax Number: Not reported
Modified By: TRANSLAT
Date Last Modified: 2004-03-04

Site Id: 52038
Affiliation Type: Emergency Contact
Company Name: GIBRALTAR STEEL CORPORATION
Contact Type: Not reported
Contact Name: TOM GREEN
Address1: Not reported
Address2: Not reported
City: Not reported
State: NN
Zip Code: Not reported
Country Code: 001
Phone: (716) 856-6500
EMail: Not reported
Fax Number: Not reported

GIBRALTAR STEEL CORPORATION (Continued) **U003316387**

Modified By: TRANSLAT
Date Last Modified: 2004-03-04

Tank Info:

Tank Number: 1
Tank ID: 160522
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 8000
Install Date: Not reported
Date Tank Closed: 05/01/1993
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: 03
Date Test: 11/01/1987
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 04/14/2017

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
H00 - Tank Leak Detection - None
F00 - Pipe External Protection - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron

Tank Number: 2
Tank ID: 160523
Tank Status: Closed - Removed
Material Name: Closed - Removed
Capacity Gallons: 6000
Install Date: 02/01/1977
Date Tank Closed: 08/01/1992
Registered: True
Tank Location: Underground
Tank Type: Steel/carbon steel
Material Code: 0001
Common Name of Substance: #2 Fuel Oil (On-Site Consumption)

Tightness Test Method: 03
Date Test: 11/01/1987
Next Test Date: Not reported
Pipe Model: Not reported
Modified By: TRANSLAT
Last Modified: 04/14/2017

GIBRALTAR STEEL CORPORATION (Continued) **U003316387**

Equipment Records:

I04 - Overfill - Product Level Gauge (A/G)
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
H00 - Tank Leak Detection - None
B00 - Tank External Protection - None
C00 - Pipe Location - No Piping
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron

68
South
1/4-1/2
0.431 mi.
2275 ft.

49 LEDDY-SMITH/LEDDY
49 LEDDY STREET
BUFFALO, NY

US BROWNFIELDS **1012232909**
N/A

Relative:
Lower

Actual:
585 ft.

US BROWNFIELDS:

Property Name:	49 LEDDY-SMITH/LEDDY
Recipient Name:	Buffalo, City of
Grant Type:	Assessment
Property Number:	Not reported
Parcel size:	6
Latitude:	42.868237
Longitude:	-78.851703
HCM Label:	Address Matching-House Number
Map Scale:	100000
Point of Reference:	Entrance Point of a Facility or Station
Highlights:	Not reported
Datum:	North American Datum of 1983
Acres Property ID:	13156
IC Data Access:	Not reported
Start Date:	Not reported
Redev Completition Date:	Not reported
Completed Date:	Not reported
Acres Cleaned Up:	Not reported
Cleanup Funding:	Not reported
Cleanup Funding Source:	Not reported
Assessment Funding:	Not reported
Assessment Funding Source:	Not reported
Redevelopment Funding:	Not reported
Redev. Funding Source:	Not reported
Redev. Funding Entity Name:	Not reported
Redevelopment Start Date:	Not reported
Assessment Funding Entity:	Not reported
Cleanup Funding Entity:	Not reported
Grant Type:	N/A
Accomplishment Type:	Phase I Environmental Assessment
Accomplishment Count:	0
Cooperative Agreement Number:	99242201
Start Date:	03/31/1998 00:00:00
Ownership Entity:	Not reported
Completion Date:	03/31/1998 00:00:00
Current Owner:	Not reported
Did Owner Change:	Not reported
Cleanup Required:	Not reported
Video Available:	Not reported

49 LEDDY-SMITH/LEDDY (Continued) **1012232909**

Photo Available:	Not reported
Institutional Controls Required:	Not reported
IC Category Proprietary Controls:	Not reported
IC Cat. Info. Devices:	Not reported
IC Cat. Gov. Controls:	Not reported
IC Cat. Enforcement Permit Tools:	Not reported
IC in place date:	Not reported
IC in place:	U
State/tribal program date:	Not reported
State/tribal program ID:	Not reported
State/tribal NFA date:	Not reported
Air contaminated:	Not reported
Air cleaned:	Not reported
Asbestos found:	Not reported
Asbestos cleaned:	Not reported
Controled substance found:	Not reported
Controled substance cleaned:	Not reported
Drinking water affected:	Not reported
Drinking water cleaned:	Not reported
Groundwater affected:	Not reported
Groundwater cleaned:	Not reported
Lead contaminant found:	Not reported
Lead cleaned up:	Not reported
No media affected:	Not reported
Unknown media affected:	Not reported
Other cleaned up:	Not reported
Other metals found:	Not reported
Other metals cleaned:	Not reported
Other contaminants found:	Not reported
Other contams found description:	Not reported
PAHs found:	Not reported
PAHs cleaned up:	Not reported
PCBs found:	Not reported
PCBs cleaned up:	Not reported
Petro products found:	Not reported
Petro products cleaned:	Not reported
Sediments found:	Not reported
Sediments cleaned:	Not reported
Soil affected:	Not reported
Soil cleaned up:	Not reported
Surface water cleaned:	Not reported
VOCs found:	Not reported
VOCs cleaned:	Not reported
Cleanup other description:	Not reported
Num. of cleanup and re-dev. jobs:	Not reported
Past use greenspace acreage:	Not reported
Past use residential acreage:	Not reported
Surface Water:	Not reported
Past use commercial acreage:	Not reported
Past use industrial acreage:	Not reported
Future use greenspace acreage:	Not reported
Future use residential acreage:	Not reported
Future use commercial acreage:	Not reported
Future use industrial acreage:	Not reported
Greenspace acreage and type:	Not reported
Superfund Fed. landowner flag:	Not reported
Arsenic cleaned up:	Not reported

49 LEDDY-SMITH/LEDDY (Continued) **1012232909**

Cadmium cleaned up:	Not reported
Chromium cleaned up:	Not reported
Copper cleaned up:	Not reported
Iron cleaned up:	Not reported
mercury cleaned up:	Not reported
Nickel Cleaned Up:	Not reported
No clean up:	Not reported
Pesticides cleaned up:	Not reported
Selenium cleaned up:	Not reported
SVOCs cleaned up:	Not reported
Unknown clean up:	Not reported
Arsenic contaminant found:	Not reported
Cadmium contaminant found:	Not reported
Chromium contaminant found:	Not reported
Copper contaminant found:	Not reported
Iron contaminant found:	Not reported
Mercury contaminant found:	Not reported
Nickel contaminant found:	Not reported
No contaminant found:	Not reported
Pesticides contaminant found:	Not reported
Selenium contaminant found:	Not reported
SVOCs contaminant found:	Not reported
Unknown contaminant found:	Not reported
Future Use: Multistory	Not reported
Media affected Bluiding Material:	Not reported
Media affected indoor air:	Not reported
Building material media cleaned up:	Not reported
Indoor air media cleaned up:	Not reported
Unknown media cleaned up:	Not reported
Past Use: Multistory	Not reported
Property Description:	former rail property
Below Poverty Number:	652
Below Poverty Percent:	29.7%
Meidan Income:	5151
Meidan Income Number:	1217
Meidan Income Percent:	55.5%
Vacant Housing Number:	380
Vacant Housing Percent:	28.8%
Unemployed Number:	159
Unemployed Percent:	7.3%

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69 **UNILOCK INC.** **NY LTANKS** **S100153168**
East **510 SMITH STREET** **N/A**
1/4-1/2 **BUFFALO, NY**
0.466 mi.
2463 ft.

Relative: **Higher**
Actual: **589 ft.**

LTANKS:

Facility ID:	9105743
Site ID:	249570
Closed Date:	1991-11-15
Spill Number:	9105743
Spill Date:	1991-08-01
Spill Cause:	Tank Failure
Spill Source:	Commercial/Industrial
Spill Class:	Not reported
Cleanup Ceased:	1991-11-15
SWIS:	1502

UNILOCK INC. (Continued) **S100153168**

Investigator:	MXFRANKS
Referred To:	Not reported
Reported to Dept:	1991-08-27
CID:	Not reported
Water Affected:	Not reported
Spill Notifier:	Other
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	False
Remediation Phase:	0
Date Entered In Computer:	1991-08-29
Spill Record Last Update:	1992-01-30
Spiller Name:	Not reported
Spiller Company:	UNILOCK INC.
Spiller Address:	510 SMITH STREET
Spiller County:	001
Spiller Contact:	Not reported
Spiller Phone:	Not reported
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	204588
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MF 08/27/91: MEL. RNL SENT MEMO TO PETER BEUCHI H/SW, WAITING FOR RESPONSE. 11/15/91: MF 11/15/91 RECEIVED SAMPLE RESULTS, NOTHING DETECTED. LETTER SENT TO SPILLER. NO FURTHER ACTION NECESSARY. "
Remarks:	"ABANDONED TANKS AT UNILOCK"

All Materials:

Site ID:	249570
Operable Unit ID:	956239
Operable Unit:	01
Material ID:	421521
Material Code:	0022
Material Name:	waste oil/used oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	Not reported
Recovered:	.00
Oxygenate:	Not reported

O70 **MOLLENBERG - BETZ INC** **SEMS-ARCHIVE** **1000280190**
West **300 SCOTT ST** **RCRA-CESQG** **NYD002109981**
1/4-1/2 **BUFFALO, NY 14204** **FINDS**
0.492 mi. **ECHO**
2599 ft. **Site 1 of 2 in cluster O** **NY MANIFEST**

Relative: **Higher**
Actual: **589 ft.**

SEMS Archive:

Site ID:	201392
EPA ID:	NYD002109981
Cong District:	37
FIPS Code:	36029
FF:	N
NPL:	Not on the NPL
Non NPL Status:	NFRAP-Site does not qualify for the NPL based on existing information

MOLLENBERG - BETZ INC (Continued) **1000280190**

SEMS Archive Detail:

Region:	2
Site ID:	201392
EPA ID:	NYD002109981
Site Name:	MOLLENBER-BETZ
NPL:	N
FF:	N
OU:	0
Action Code:	VS
Action Name:	ARCH SITE
SEQ:	1
Start Date:	Not reported
Finish Date:	1986-03-07 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf In-Hse

Region:	2
Site ID:	201392
EPA ID:	NYD002109981
Site Name:	MOLLENBER-BETZ
NPL:	N
FF:	N
OU:	0
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1980-04-15 00:00:00
Finish Date:	1980-04-15 00:00:00
Qual:	Not reported
Current Action Lead:	EPA Perf

Region:	2
Site ID:	201392
EPA ID:	NYD002109981
Site Name:	MOLLENBER-BETZ
NPL:	N
FF:	N
OU:	0
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	1986-03-01 00:00:00
Finish Date:	1986-03-07 00:00:00
Qual:	N
Current Action Lead:	St Perf

RCRA-CESQG:

Date form received by agency:	01/01/2007
Facility name:	MOLLENBERG - BETZ INC
Facility address:	300 SCOTT ST BUFFALO, NY 14204
EPA ID:	NYD002109981
Mailing address:	SCOTT ST BUFFALO, NY 14204
Contact:	ROBERT DEGLOPPER

MOLLENBERG - BETZ INC (Continued) **1000280190**

Contact address: SCOTT ST
BUFFALO, NY 14204
Contact country: US
Contact telephone: 716-852-7138
Contact email: Not reported
EPA Region: 02
Land type: Facility is not located on Indian land. Additional information is not known.
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:
Owner/operator name: MOLLENBERG - BETZ INC
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: 212-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: MOLLENBERG - BETZ INC
Owner/operator address: NOT REQUIRED
NOT REQUIRED, WY 99999
Owner/operator country: US
Owner/operator telephone: 212-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No

MOLLENBERG - BETZ INC (Continued) **1000280190**

Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency: 01/01/2006
Site name: MOLLENBERG - BETZ INC
Classification: Not a generator, verified

Date form received by agency: 11/08/1990
Site name: MOLLENBERG - BETZ INC
Classification: Small Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

MOLLENBERG - BETZ INC (Continued) **1000280190**

. Waste code: F004
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: CRESOLS AND CRESYLIC ACID, AND NITROBENZENE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 07/07/1999
Date achieved compliance: 07/29/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/14/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 07/07/1999
Date achieved compliance: 07/29/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/14/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 07/15/1997
Date achieved compliance: 07/15/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/15/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 03/10/1995
Date achieved compliance: 04/25/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL

MOLLENBERG - BETZ INC (Continued) **1000280190**

Enforcement action date: 03/10/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 03/10/1995
Date achieved compliance: 04/25/1995
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/10/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 03/02/1992
Date achieved compliance: 04/23/1993
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/02/1992
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 07/27/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/19/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/07/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/29/1999
Evaluation lead agency: State

Evaluation date: 07/07/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

MOLLENBERG - BETZ INC (Continued) **1000280190**

Area of violation: Generators - Manifest
Date achieved compliance: 07/29/1999
Evaluation lead agency: State

Evaluation date: 07/10/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/15/1997
Evaluation lead agency: State

Evaluation date: 03/07/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 04/25/1995
Evaluation lead agency: State

Evaluation date: 03/07/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 04/25/1995
Evaluation lead agency: State

Evaluation date: 11/21/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest
Date achieved compliance: 04/23/1993
Evaluation lead agency: State

FINDS:

Registry ID: 110004338734

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:
Envid: 1000280190
Registry ID: 110004338734
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004338734

NY MANIFEST:
Country: USA
EPA ID: NYD002109981
Facility Status: Not reported
Location Address 1: 300 SCOTT STREET
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported

MOLLENBERG - BETZ INC (Continued) **1000280190**

Location City: BUFFALO
Location State: NY
Location Zip: 14204
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYD002109981
Mailing Name: MOLLENBERG BETZ INCORPORATED
Mailing Contact: JAMES P. CAMARRE
Mailing Address 1: 300 SCOTT STREET
Mailing Address 2: Not reported
Mailing City: BUFFALO
Mailing State: NY
Mailing Zip: 14204
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 7168527138

O71 **MOLLENBERG-BETZ** **NY SHWS S108146566**
West **300 SCOTT STREET** **NY HSWDS N/A**
1/4-1/2 **BUFFALO, NY 14204**
0.492 mi.
2599 ft. **Site 2 of 2 in cluster O**

Relative:
Higher

Actual:
589 ft.

SHWS:
Program: HW
Site Code: 56563
Classification: N
Region: 9
Acres: Not reported
HW Code: 915041
Record Add: 11/18/1999
Record Upd: 02/15/2013
Updated By: MLDOSTER
Site Description: Mollenberg-Betz used this site to steam clean commercial refrigeration equipment. The washings, consisting of oil, grease and dirt, were permitted to flow directly into the ground. Waste oil was also spread on a parking lot for dust control. The company abandoned the steam cleaning operation in 1978. Erie County prepared a site profile report in 1982. A Phase I Investigation has been completed. Soil sampling taken by NYSDEC in 1989 did not find contaminants at levels of concern. The disposal of hazardous waste can not be documented at this site.
Env Problem: No environmental problems have been noted at this site.
Health Problem: The site is located in a mixed residential and industrial area along Scott Street in South Buffalo. Washings from a steam cleaning operation were formerly disposed of by direct discharge to the ground outside of the plant building. Waste oils were also spread over a gravel parking lot for dust control. This area is now paved with asphalt. No environmental monitoring data is available for this site. It is likely that any contamination which may exist in the soils is directly under the disposal area. Contamination of the underlying groundwater is possible. No wells in the area are used for drinking water. Public water supply services the area. No significant pathways for human exposure have been identified at the site.
Dump: Not reported
Structure: Not reported

MOLLENBERG-BETZ (Continued) **S108146566**

Lagoon:	Not reported
Landfill:	Not reported
Pond:	Not reported
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	Not reported
Record Upd:	Not reported
Updated By:	Not reported
Own Op:	Owner
Sub Type:	E
Owner Name:	Not reported
Owner Company:	MOLLENBERG-BETZ
Owner Address:	300 SCOTT ST.
Owner Addr2:	Not reported
Owner City,St,Zip:	BUFFALO, NY 14204
Owner Country:	United States of America
Own Op:	Disp. Owner
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	MOLLENBERG-BETZ
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	ZZ
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	Mollenberg-Betz
Owner Address:	300 Scott Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14204
Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	E
Owner Name:	Not reported
Owner Company:	MOLLENBERG-BETZ
Owner Address:	300 SCOTT ST.
Owner Addr2:	Not reported
Owner City,St,Zip:	BUFFALO, NY 14204
Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	Mollenberg-Betz
Owner Address:	300 Scott Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14204
Owner Country:	United States of America
HW Code:	Not reported
Waste Type:	Not reported
Waste Quantity:	Not reported
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported

MOLLENBERG-BETZ (Continued) **S108146566**

Record Added Date: Not reported
Record Updated: Not reported
Updated By: Not reported

HSWDS:

Facility ID:	Not reported
Region:	9
Facility Status:	Unknown
Owner Type:	Puplic
Owner:	Mollenberg-Betz Corp.
Owner Address:	300 Scott Street
Owner Phone:	Unknown
Operator Type:	Puplic
Operator:	Inactive
Operator:	Inactive
Operator Phone:	N
EPA ID:	None
Registry:	D
Registry Site ID:	915041
RCRA Permitted:	Unknown
Site Code:	Spill
Owner City State:	Buffalo, NY 14204
Operator City State:	Not reported
Quadrange:	Buffalo,NE,NW,SE
Latitude:	42 52'34"N
Longitude:	78 52'11"W
Acres:	0.00
Operator Date:	1900's
Close Date:	Unknown
Completed:	Phase 1
Active:	No
PCB's Disposed:	No
Pesticides Disposed:	No
Metals Disposed:	No
Asbestos Disposed:	No
Volatile Organic Compounds Disposed:	No
Semi Volatile Organic Compounds Disposed:	No
Analytical Info Exists for Air:	Not reported
Analytical Info Exists for Ground:	None
Analytical Info Exists for Surface:	Not reported
Analytical Info Exists for Sediments:	Not reported
Analytical Info Exists for Surface:	Not reported
Analytical Info Exists for Substance:	Not reported
Analytical Info Exists for Waste:	Not reported
Analytical Info Exists for Leachate:	Not reported
Analytical Info Exists for EP Toxicity:	Not reported
Analytical Info Exists for TCLP:	Not reported
Threat to Environment/Public Health:	None
Surface Water Contamination:	Unknown
Surface Water Body Class:	D
Groundwater Contamination:	Unknown
Groundwater Classification:	Unknown
Drinking Water Contamination:	Unknown
Drinking Water Supply is Active:	Unknown
Any Known Fish or Wildlife:	Unknown
Hazardous Exposure:	Unknown
Site Has Controlled Acess:	No

MOLLENBERG-BETZ (Continued) **S108146566**

Ambient Air Contamination:	Unknown
Direct Contact:	Unknown
EPA Hazardous Ranking System Score:	Unknown
Inventory:	F
Nefrap:	Not reported
Mailing:	Not reported
Tax Map No:	Not reported
Qualify:	0
Next Action:	Not reported
Agencies:	Not reported
Air:	Not reported
Building:	Not reported
Site Desc:	Not reported
Drink:	Not reported
Eptox:	Not reported
Fish:	Not reported
Ground:	Not reported
Ground Desc:	Not reported
Hazardous Threat:	Not reported
Haz Threat Desc:	Not reported
Leachate:	Not reported
Preparer:	Not reported
Sediment:	Not reported
Soil:	Not reported
Surface:	Not reported
Status:	Not reported
Surface Soil:	Not reported
Surface:	Not reported
TCLP:	Not reported
Waste:	Not reported

72
WNW
1/4-1/2
0.498 mi.
2629 ft.

BUFFALO POLICE GARAGE
341 SENECA STREET
BUFFALO, NY

NY LTANKS **U003317994**
NY AST **N/A**
NY Spills

Relative:
Lower

Actual:
587 ft.

LTANKS:

Facility ID:	9911425
Site ID:	218912
Closed Date:	2000-01-10
Spill Number:	9911425
Spill Date:	1999-12-30
Spill Cause:	Tank Test Failure
Spill Source:	Institutional, Educational, Gov., Other
Spill Class:	C3
Cleanup Ceased:	2000-01-10
SWIS:	1502
Investigator:	MXFRANKS
Referred To:	Not reported
Reported to Dept:	1999-12-30
CID:	323
Water Affected:	Not reported
Spill Notifier:	Tank Tester
Last Inspection:	Not reported
Recommended Penalty:	False
Meets Standard:	True
UST Involvement:	True

BUFFALO POLICE GARAGE (Continued) **U003317994**

Remediation Phase:	0
Date Entered In Computer:	1999-12-30
Spill Record Last Update:	2002-03-19
Spiller Name:	ROBERT O'HARA CITY
Spiller Company:	BUFFALO POLICE GARAGE
Spiller Address:	ROOM 616 CITY HALL
Spiller County:	001
Spiller Contact:	PETER MERLOW TYREE
Spiller Phone:	(716) 851-2142
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	181073
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MF 01/10/00: MF TELECON PETER MERLOW OF TYREE, 10,OOO GALLON GASOLINE UST TESTED PRIOR TO REMOVAL. FAILED TIGHTNESS TEST, VENT LINE LEAK. THEY WILL NOT RETEST. ALL TANKS AT THIS SITE ARE SCHEDULED FOR REMOVAL 1/24/00. SEE SPILL # 8908800, STILL ACTIVE. WILL KEEP SPILL # 8908800 ACTIVE. WILL CLOSE THIS SPILL SINCE A DUPLICATE. NO FURTHER ACTION NECESSARY ON THIS SPILL."
Remarks:	"NOTIFICATION MADE. VENT LINE WILL BE REPLACED AND RETEST IS SCHEDULED FOR MONDAY JAN 3RD."

All TTF:

Facility ID:	9911425
Spill Number:	9911425
Spill Tank Test:	1547966
Site ID:	218912
Tank Number:	Not reported
Tank Size:	10000
Material:	0009
EPA UST:	Not reported
UST:	Not reported
Cause:	Not reported
Source:	Not reported
Test Method:	20
Test Method 2:	USTest 2000/P/LL plus USTest 2000/U
Leak Rate:	.00
Gross Fail:	F
Modified By:	Spills
Last Modified Date:	Not reported

All Materials:

Site ID:	218912
Operable Unit ID:	1090125
Operable Unit:	01
Material ID:	296884
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

BUFFALO POLICE GARAGE (Continued) **U003317994**

AST:

Region:	STATE
DEC Region:	9
Site Status:	Active
Facility Id:	9-427241
Program Type:	PBS
UTM X:	184408.39472
UTM Y:	4754560.49965
Expiration Date:	12/14/2022
Site Type:	Municipality (Incl. Waste Water Treatment Plants, Utilities, Swimming Pools, etc.)

Affiliation Records:

Site Id:	54129
Affiliation Type:	Emergency Contact
Company Name:	CITY OF BUFFALO - DEPT. OF INVENTORY AND STORES
Contact Type:	Not reported
Contact Name:	PAUL DESIDERIO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(716) 851-5562
EMail:	Not reported
Fax Number:	Not reported
Modified By:	SLZIEMBA
Date Last Modified:	2012-12-10

Site Id:	54129
Affiliation Type:	Facility Owner
Company Name:	CITY OF BUFFALO - DEPT. OF INVENTORY AND STORES
Contact Type:	SUPT AUTO SUPPLIES
Contact Name:	PAUL DESIDERIO
Address1:	65 NIAGARA SQ RM 1901
Address2:	Not reported
City:	BUFFALO
State:	NY
Zip Code:	14202
Country Code:	001
Phone:	(716) 851-5242
EMail:	Not reported
Fax Number:	Not reported
Modified By:	TAMAMUN
Date Last Modified:	2017-11-17

Site Id:	54129
Affiliation Type:	Mail Contact
Company Name:	DEPARTMENT OF INVENTORY AND STORES
Contact Type:	Not reported
Contact Name:	PAUL DESIDERIO
Address1:	1901 CITY HALL
Address2:	Not reported
City:	BUFFALO
State:	NY
Zip Code:	14202
Country Code:	001

BUFFALO POLICE GARAGE (Continued) **U003317994**

Phone:	(716) 851-5562
EMail:	PDESIDERIO@CITY-BUFFALO.COM
Fax Number:	Not reported
Modified By:	SLZIEMBA
Date Last Modified:	2012-12-10

Site Id:	54129
Affiliation Type:	Facility Operator
Company Name:	POLICE GARAGE
Contact Type:	Not reported
Contact Name:	PAUL DESIDERIO
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	001
Phone:	(716) 851-4144
EMail:	Not reported
Fax Number:	Not reported
Modified By:	AYLAGATI
Date Last Modified:	2017-05-31

Tank Info:

Tank Number:	001
Tank Id:	171532
Material Code:	0013
Common Name of Substance:	Lube Oil

Equipment Records:

G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
I01 - Overfill - Float Vent Valve
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
L09 - Piping Leak Detection - Exempt Suction Piping

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	01/01/2000
Capacity Gallons:	150
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	01/01/2010
Register:	True
Modified By:	TJWALKER
Last Modified:	04/14/2017
Material Name:	lube oil

BUFFALO POLICE GARAGE (Continued) **U003317994**

Tank Number: 002
Tank Id: 171533
Material Code: 0013
Common Name of Substance: Lube Oil

Equipment Records:

G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
H00 - Tank Leak Detection - None
L09 - Piping Leak Detection - Exempt Suction Piping
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
I01 - Overfill - Float Vent Valve
C01 - Pipe Location - Aboveground

Tank Location: 3
Tank Type: Steel/Carbon Steel/Iron
Tank Status: Closed - Removed
Pipe Model: Not reported
Install Date: 01/01/2000
Capacity Gallons: 150
Tightness Test Method: NN
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: 01/01/2010
Register: True
Modified By: TJWALKER
Last Modified: 04/14/2017
Material Name: lube oil

Tank Number: 003
Tank Id: 171534
Material Code: 0013
Common Name of Substance: Lube Oil

Equipment Records:

C01 - Pipe Location - Aboveground
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
K00 - Spill Prevention - None
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
L09 - Piping Leak Detection - Exempt Suction Piping

Tank Location: 3
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 01/01/2000
Capacity Gallons: 500

BUFFALO POLICE GARAGE (Continued) **U003317994**

Tightness Test Method: -
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: PTDIEZ
Last Modified: 12/11/2017
Material Name: motor oil

Tank Number: 007
Tank Id: 171700
Material Code: 0022
Common Name of Substance: Waste Oil/Used Oil

Equipment Records:
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
K00 - Spill Prevention - None
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser
C01 - Pipe Location - Aboveground
I04 - Overfill - Product Level Gauge (A/G)
E00 - Piping Secondary Containment - None
H00 - Tank Leak Detection - None
L09 - Piping Leak Detection - Exempt Suction Piping

Tank Location: 3
Tank Type: Steel/Carbon Steel/Iron
Tank Status: In Service
Pipe Model: Not reported
Install Date: 01/01/2000
Capacity Gallons: 500
Tightness Test Method: -
Date Test: Not reported
Next Test Date: Not reported
Date Tank Closed: Not reported
Register: True
Modified By: PTDIEZ
Last Modified: 12/11/2017
Material Name: waste oil/used oil

Tank Number: 008
Tank Id: 174634
Material Code: 0013
Common Name of Substance: Lube Oil

Equipment Records:
C01 - Pipe Location - Aboveground
I04 - Overfill - Product Level Gauge (A/G)
A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
B00 - Tank External Protection - None
F00 - Pipe External Protection - None

BUFFALO POLICE GARAGE (Continued) **U003317994**

H00 - Tank Leak Detection - None
L09 - Piping Leak Detection - Exempt Suction Piping
G00 - Tank Secondary Containment - None
J02 - Dispenser - Suction Dispenser

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	09/30/2002
Capacity Gallons:	200
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	01/01/2010
Register:	True
Modified By:	TJWALKER
Last Modified:	04/14/2017
Material Name:	lube oil

Tank Number:	009
Tank Id:	174635
Material Code:	9999
Common Name of Substance:	Other

Equipment Records:

A00 - Tank Internal Protection - None
D01 - Pipe Type - Steel/Carbon Steel/Iron
J02 - Dispenser - Suction Dispenser
G00 - Tank Secondary Containment - None
B00 - Tank External Protection - None
F00 - Pipe External Protection - None
I04 - Overfill - Product Level Gauge (A/G)
C01 - Pipe Location - Aboveground
H00 - Tank Leak Detection - None
L09 - Piping Leak Detection - Exempt Suction Piping

Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	Closed - Removed
Pipe Model:	Not reported
Install Date:	09/30/2002
Capacity Gallons:	200
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	01/01/2010
Register:	True
Modified By:	TJWALKER
Last Modified:	04/14/2017
Material Name:	other

SPILLS:

Facility ID:	9912117
Facility Type:	ER
Spill Number:	9912117
DER Facility ID:	181073

BUFFALO POLICE GARAGE (Continued) **U003317994**

Site ID:	218913
DEC Region:	9
Closed Date:	2000-02-18
Spill Cause:	Other
Spill Class:	C3
SWIS:	1502
Spill Date:	2000-01-20
Investigator:	MXFRANKS
Referred To:	Not reported
Reported to Dept:	2000-01-20
CID:	205
Water Affected:	Not reported
Spill Source:	Institutional, Educational, Gov., Other
Spill Notifier:	Responsible Party
Cleanup Ceased:	2000-02-18
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2000-01-20
Spill Record Last Update:	2002-03-19
Spiller Name:	JIM BISHOP
Spiller Company:	BUFFALO POLICE DEPARTMENT
Spiller Address:	ROOM 616 CITY HALL
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MF 01/20/00: SAC TELECON JIM BISHOP, TYREE ORGANIZATION, HE REPORTED THE RESULTS FOR THE WASTE CHARACTERIZATION SAMPLES FROM THE CONTAMINATED SOIL INDICATED THE SOIL WAS IGNITABLE AND THAT DAVE HUTTON WILL BE RESAMPLING THE AREA AGAIN, THIS SPILL IS A DUPLICATE OF 8908800, CLOSEOUT THIS SPILL, FOLLOW UP TO BE DONE UNDER SPILL NUMBER 8908800."
Remarks:	"caller doing site work took soil samples and found contamination and high flash point findings from lab results."

All Materials:

Site ID:	218913
Operable Unit ID:	1090814
Operable Unit:	01
Material ID:	294011
Material Code:	0009
Material Name:	gasoline
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Site ID:	218913
Operable Unit ID:	1090814
Operable Unit:	01
Material ID:	294010
Material Code:	0008
Material Name:	diesel
Case No.:	Not reported

BUFFALO POLICE GARAGE (Continued) **U003317994**

Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

73
WNW
1/2-1
0.653 mi.
3448 ft.

W & F MFG CO INC
251 SENECA ST
BUFFALO, NY 14204

CORRACTS **1000113745**
NY Spills **NYD002100121**
RCRA NonGen / NLR
RAATS
NY MANIFEST

Relative: Lower

Actual: 588 ft.

CORRACTS:

EPA ID:	NYD002100121
EPA Region:	2
Area Name:	SITEWIDE
Actual Date:	20140911
Action:	CA400 - Date For Remedy Selection (CM Imposed)
NAICS Code(s):	339999 All Other Miscellaneous Manufacturing
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	NYD002100121
EPA Region:	2
Area Name:	SITEWIDE
Actual Date:	20140911
Action:	CA550NR
NAICS Code(s):	339999 All Other Miscellaneous Manufacturing
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	NYD002100121
EPA Region:	2
Area Name:	SITEWIDE
Actual Date:	20140911
Action:	CA999NF - Corrective Action Process Terminated, No Further Action
NAICS Code(s):	339999 All Other Miscellaneous Manufacturing
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	NYD002100121
EPA Region:	2
Area Name:	SITEWIDE
Actual Date:	19940112
Action:	CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s):	339999 All Other Miscellaneous Manufacturing
Original schedule date:	19940331
Schedule end date:	Not reported

EPA ID:	NYD002100121

W & F MFG CO INC (Continued) **1000113745**

EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19881216
Action: CA070NO - RFA Determination Of Need For An RFI, RFI is Not Necessary
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD002100121
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19881216
Action: CA999NF - Corrective Action Process Terminated, No Further Action
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD002100121
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19940719
Action: CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD002100121
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19920922
Action: CA050 - RFA Completed
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD002100121
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19881028
Action: CA050PA - RFA Completed, Assessment was a PA-Plus
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD002100121
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 20140731
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing

W & F MFG CO INC (Continued) **1000113745**

Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD002100121
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 20140731
Action: CA800YE
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD002100121
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 20140731
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

SPILLS:
Facility ID: 0905174
Facility Type: ER
Spill Number: 0905174
DER Facility ID: 366558
Site ID: 417430
DEC Region: 9
Closed Date: 2009-08-04
Spill Cause: Equipment Failure
Spill Class: Not reported
SWIS: 1502
Spill Date: 2009-08-04
Investigator: TDJOHNSO
Referred To: Not reported
Reported to Dept: 2009-08-04
CID: Not reported
Water Affected: Not reported
Spill Source: Commercial Vehicle
Spill Notifier: Other
Cleanup Ceased: Not reported
Cleanup Meets Std: False
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 2009-08-04
Spill Record Last Update: 2009-08-04
Spiller Name: MIKE PILATO
Spiller Company: WASTE MANAGEMENT
Spiller Address: 100 RANCIER DR
Spiller Company: 999
Contact Name: MIKE PILATO
DEC Memo: "08/04/09 TDJ SPOKE WITH MIKE PILATO OF WASTE MANAGEMENT WHO STATED

W & F MFG CO INC (Continued) **1000113745**

THAT A HYDRAULIC LINE BROKE ON TOP OF TRUCK WHEN ENTERING BFI PROPERTY. LINE OF FLUID ON PAVEMENT IS BEING CLEANED UP WITH SPEEDY DRY BY EMPLOYEES. APPROX 2 GALLONS WAS LOST. SPEEDY DRY WILL BE DISPOSED OF AT WASTE MANAGEMENT LOCATION. NO FURTHER ACTION FILE CLOSED TO ELECTRONIC ONLY"

Remarks: "LINE BREAK ON A TRUCK ABOUT A GALLONS SPILLED TO PAVEMENT. CLEAN UP IS IN PROGRESS."

All Materials:

Site ID:	417430
Operable Unit ID:	1173643
Operable Unit:	01
Material ID:	2165595
Material Code:	0010
Material Name:	hydraulic oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1.00
Units:	G
Recovered:	Not reported
Oxygenate:	Not reported

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	W & F MFG CO INC
Facility address:	251 SENECA ST BUFFALO, NY 14204-2013
EPA ID:	NYD002100121
Mailing address:	PO BOX 126 BUFFALO, NY 14240
Contact:	Not reported
Contact address:	PO BOX 126 BUFFALO, NY 14240
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	W & F MFG CO INC
Owner/operator address:	251 SENECA ST OPERCITY, NY 99999
Owner/operator country:	US
Owner/operator telephone:	716-856-3600
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name: W & F MFG CO INC

W & F MFG CO INC (Continued) **1000113745**

Owner/operator address: 251 SENECA ST
BUFFALO, NY 14204
Owner/operator country: US
Owner/operator telephone: 716-856-3600
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: W & F MFG CO INC
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Site name: W & F MFG CO INC
Classification: Not a generator, verified

Date form received by agency: 11/19/1980
Site name: W & F MFG CO INC
Classification: Not a generator, verified

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: F017
. Waste name: Not Defined

Date form received by agency: 08/18/1980
Site name: W & F MFG CO INC

W & F MFG CO INC (Continued) **1000113745**

Classification: Large Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: F017
. Waste name: Not Defined

Corrective Action Summary:

Event date: 10/28/1988
Event: RFA COMPLETED-ASSESSMENT WAS A PA-PLUS

Event date: 12/16/1988
Event: CA PROCESS IS TERMINATED-NO FURTHER ACTION

Event date: 12/16/1988
Event: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NOT NECESSARY

Event date: 09/22/1992
Event: RFA COMPLETED

Event date: 01/12/1994
Event: CA PRIORITIZATION-LOW CA PRIORITY

Event date: 07/19/1994
Event: DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY

Event date: 07/31/2014
Event: READY FOR ANTICIPATED USE DETERMINATION - READY FOR ANTICIPATED USE

Event date: 07/31/2014
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 07/31/2014
Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 09/11/2014
Event: REMEDY CONSTRUCTION-NO REMEDY CONSTRUCTED

Event date: 09/11/2014
Event: CA PROCESS IS TERMINATED-NO FURTHER ACTION

Event date: 09/11/2014
Event: REMEDY DECISION

W & F MFG CO INC (Continued) **1000113745**

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 06/26/1984
Date achieved compliance: 12/08/1984
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 12/21/1983
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 7500
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 01/31/1983
Date achieved compliance: 12/08/1984
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 11/06/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 01/31/1983
Date achieved compliance: 12/08/1984
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 12/23/1983
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 7500
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 07/26/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/17/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

W & F MFG CO INC (Continued) **1000113745**

Evaluation date: 09/09/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/26/1984
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - General
Date achieved compliance: 12/08/1984
Evaluation lead agency: EPA

Evaluation date: 01/31/1983
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Generators - General
Date achieved compliance: 12/08/1984
Evaluation lead agency: EPA

NY MANIFEST:
Country: USA
EPA ID: NYD002100121
Facility Status: Not reported
Location Address 1: 2299 KENMORE AVE
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BUFFALO
Location State: NY
Location Zip: 14207
Location Zip 4: 1311

NY MANIFEST:
EPAID: NYD002100121
Mailing Name: W & F MANUFACTURING
Mailing Contact: UNKNOWN
Mailing Address 1: 2299 KENMORE AVE
Mailing Address 2: Not reported
Mailing City: BUFFALO
Mailing State: NY
Mailing Zip: 14207
Mailing Zip 4: 1311
Mailing Country: USA
Mailing Phone: 0000000000

74
SE
1/2-1
0.820 mi.
4332 ft.

Relative:
Higher

Actual:
592 ft.

HONEYWELL BUFFALO RESEARCH LABORATORY
20 PEABODY ST
BUFFALO, NY 14210

CORRACTS **1000248676**
RCRA-TSDF **NYD000632315**
RCRA-LQG
NY LTANKS
NY CBS
NY CBS AST
NY DEL SHWS
NY Spills
US FIN ASSUR
2020 COR ACTION
ICIS
US AIRS
FINDS
ECHO
NY Financial Assurance
NY MANIFEST
NJ MANIFEST
WI MANIFEST

CORRACTS:

EPA ID: NYD000632315
EPA Region: 2
Area Name: S01/SWMUS AND AOCS 2 & 3
Actual Date: 19920601
Action: CA100 - RFI Imposition
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: SEWER SYSTEM(AOC1)
Actual Date: 19920601
Action: CA100 - RFI Imposition
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19920601
Action: CA100 - RFI Imposition
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19920601
Action: CA023
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 20090901
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 20090901
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19940805
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19940406
Action: CA110 - RFI Workplan Received
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: S01/SWMUS AND AOCS 2 & 3
Actual Date: 19940406
Action: CA110 - RFI Workplan Received
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: SEWER SYSTEM(AOC1)

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Actual Date: 19940406
Action: CA110 - RFI Workplan Received
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19940406
Action: CA110 - RFI Workplan Received
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19940706
Action: CA225NF - Stabilization Measures Evaluation, This facility, is not amenable to stabilization activity at the, present time, because it appears to be technically infeasible or, inappropriate
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: SEWER SYSTEM(AOC1)
Actual Date: 19940706
Action: CA225NF - Stabilization Measures Evaluation, This facility, is not amenable to stabilization activity at the, present time, because it appears to be technically infeasible or, inappropriate
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: S01/SWMUS AND AOCS 2 & 3
Actual Date: 19940706
Action: CA225NF - Stabilization Measures Evaluation, This facility, is not amenable to stabilization activity at the, present time, because it appears to be technically infeasible or, inappropriate
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19931207

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Action: CA050 - RFA Completed
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19931207
Action: CA038
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19931207
Action: CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19940707
Action: CA145
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19910708
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: S01/SWMUS AND AOCS 2 & 3
Actual Date: 19910809
Action: CA050 - RFA Completed
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

EPA ID: NYD000632315
EPA Region: 2
Area Name: SEWER SYSTEM(AOC1)
Actual Date: 19910809
Action: CA050 - RFA Completed
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19980309
Action: CA500 - CMI Workplan Approved
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19921109
Action: CA027
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19910910
Action: CA017
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19920811
Action: CA026
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19930811
Action: CA037
NAICS Code(s): 32512
Industrial Gas Manufacturing

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19971211
Action: CA403
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19941012
Action: CA195 - FI Progress Reports Received
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19901114
Action: CA060 - Notice of Contamination
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: S01/SWMUS AND AOCS 2 & 3
Actual Date: 19901114
Action: CA060 - Notice of Contamination
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: SEWER SYSTEM(AOC1)
Actual Date: 19901114
Action: CA060 - Notice of Contamination
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19971015

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Action: CA350 - CMS Approved
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19990517
Action: CA550 - Certification Of Remedy Completion Or Construction Completion
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19940519
Action: CA140 - RFI Workplan Notice Of Deficiency Issued
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19910422
Action: CA010 - RFA Initiation
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: SEWER SYSTEM(AOC1)
Actual Date: 19910422
Action: CA010 - RFA Initiation
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: S01/SWMUS AND AOCS 2 & 3
Actual Date: 19910422
Action: CA010 - RFA Initiation
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19910422
Action: CA010 - RFA Initiation
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19930322
Action: CA028
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 20170922
Action: CA800YE
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19930423
Action: CA033
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 20090923
Action: CA550NR
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 20090923
Action: CA400 - Date For Remedy Selection (CM Imposed)
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19950825
Action: CA183
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19940926
Action: CA180 - RFI Supplemental Implementation Begun
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD000632315
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19910827
Action: CA012
NAICS Code(s): 32512
Industrial Gas Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

RCRA-TSDF:
Date form received by agency: 03/01/2016
Facility name: HONEYWELL BUFFALO RESEARCH LABORATORY
Facility address: 20 PEABODY ST
BUFFALO, NY 14210
EPA ID: NYD000632315
Mailing address: PEABODY ST
BUFFALO, NY 14068
Contact: DIANA M OVERTON
Contact address: PEABODY ST
BUFFALO, NY 14210
Contact country: US
Contact telephone: 716-827-6318
Contact email: DIANA.OVERTON@HONEYWELL.COM
EPA Region: 02
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	HONEYWELL INTERNATIONAL, INC
Owner/operator address:	COLUMBIA RD MORRISTOWN, NJ 07960
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	12/01/1999
Owner/Op end date:	Not reported

Owner/operator name:	HONEYWELL INTERNATIONAL, INC
Owner/operator address:	COLUMBIA RD MORRISTOWN, NJ 07960
Owner/operator country:	US
Owner/operator telephone:	973-455-2000
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	12/01/1999
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

. Waste code:	D001
. Waste name:	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D003
. Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D018
. Waste name: BENZENE

. Waste code: D019
. Waste name: CARBON TETRACHLORIDE

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D043
. Waste name: VINYL CHLORIDE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U033
. Waste name: CARBONIC DIFLUORIDE

. Waste code: U045
. Waste name: METHANE, CHLORO- (I, T)

. Waste code: U075
. Waste name: DICHLORODIFLUOROMETHANE

. Waste code: U092
. Waste name: DIMETHYLAMINE (I)

. Waste code: U121
. Waste name: METHANE, TRICHLOROFLUORO-

. Waste code: U135
. Waste name: HYDROGEN SULFIDE

. Waste code: U210
. Waste name: ETHENE, TETRACHLORO-

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

. Waste code: U213
. Waste name: FURAN, TETRAHYDRO-(I)

. Waste code: U228
. Waste name: ETHENE, TRICHLORO-

Historical Generators:
Date form received by agency: 03/14/2014
Site name: HONEYWELL BUFFALO RESEARCH LABORATORY
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D003
. Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D019
. Waste name: CARBON TETRACHLORIDE

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D038
. Waste name: PYRIDINE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE,

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F004
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: CRESOLS AND CRESYLIC ACID, AND NITROBENZENE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: P075
. Waste name: NICOTINE, & SALTS

. Waste code: U107
. Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIOCTYL ESTER

Date form received by agency: 03/05/2012
Site name: HONEYWELL BUFFALO RESEARCH LABORATORY
Classification: Large Quantity Generator

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D003
. Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D018
. Waste name: BENZENE

. Waste code: D019
. Waste name: CARBON TETRACHLORIDE

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D038
. Waste name: PYRIDINE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D043
. Waste name: VINYL CHLORIDE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U002
. Waste name: ACETONE (I)

. Waste code: U003
. Waste name: ACETONITRILE (I,T)

. Waste code: U004
. Waste name: ACETOPHENONE

. Waste code: U019
. Waste name: BENZENE (I,T)

. Waste code: U031
. Waste name: 1-BUTANOL (I)

. Waste code: U044
. Waste name: CHLOROFORM

. Waste code: U080
. Waste name: METHANE, DICHLORO-

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

. Waste code: U103
. Waste name: DIMETHYL SULFATE

. Waste code: U154
. Waste name: METHANOL (I)

. Waste code: U210
. Waste name: ETHENE, TETRACHLORO-

. Waste code: U213
. Waste name: FURAN, TETRAHYDRO-(I)

Date form received by agency: 03/09/2010
Site name: HONEYWELL BUFFALO RESEARCH LABORATORY
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D003
. Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D009
. Waste name: MERCURY

. Waste code: D019
. Waste name: CARBON TETRACHLORIDE

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D038

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

. Waste name: PYRIDINE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: P042
. Waste name: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)-

. Waste code: U115
. Waste name: ETHYLENE OXIDE (I,T)

. Waste code: U203
. Waste name: 1,3-BENZODIOXOLE, 5-(2-PROPENYL)-

Date form received by agency: 02/29/2008

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Site name: HONEYWELL INTL BUFFALO RESEARCH LABORATOR
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D003
. Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

. Waste code: D009
. Waste name: MERCURY

. Waste code: D018
. Waste name: BENZENE

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D038
. Waste name: PYRIDINE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE,

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: LABP
. Waste name: LAB PACK

. Waste code: P030
. Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

. Waste code: P106
. Waste name: SODIUM CYANIDE

. Waste code: U028
. Waste name: 1,2-BENZENEDICARBOXYLIC ACID, BIS(2-ETHYLHEXYL) ESTER

. Waste code: U123
. Waste name: FORMIC ACID (C,T)

. Waste code: U226
. Waste name: ETHANE, 1,1,1-TRICHLORO-

. Waste code: U328
. Waste name: BENZENAMINE, 2-METHYL-

Date form received by agency: 01/01/2007
Site name: HONEYWELL INC. BUFFALO RESEARCH LABORATO
Classification: Large Quantity Generator

Date form received by agency: 02/23/2006
Site name: HONEYWELL INC. BUFFALO RESEARCH LABORATO
Classification: Large Quantity Generator

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D003
. Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D009
. Waste name: MERCURY

. Waste code: D019
. Waste name: CARBON TETRACHLORIDE

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: D027
. Waste name: 1,4-DICHLOROBENZENE

. Waste code: D029
. Waste name: 1,1-DICHLOROETHYLENE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D038
. Waste name: PYRIDINE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLOROETHYLENE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING:

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: LABP
. Waste name: LAB PACK

. Waste code: P010
. Waste name: ARSENIC ACID H3ASO4

. Waste code: P011
. Waste name: ARSENIC OXIDE AS2O3

. Waste code: P012
. Waste name: ARSENIC OXIDE AS2O3

. Waste code: U022
. Waste name: BENZO[A]PYRENE

. Waste code: U078
. Waste name: 1,1-DICHLOROETHYLENE

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

. Waste code: U121
. Waste name: METHANE, TRICHLOROFLUORO-

. Waste code: U134
. Waste name: HYDROFLUORIC ACID (C,T)

Date form received by agency: 02/22/2006
Site name: HONEYWELL INC. BUFFALO RESEARCH LABORATO
Classification: Large Quantity Generator

Date form received by agency: 02/20/2004
Site name: HONEYWELL BUFFALO RESEARCH LABORATORY
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D009
. Waste name: MERCURY

. Waste code: D021
. Waste name: CHLOROBENZENE

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D038
. Waste name: PYRIDINE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U075
. Waste name: DICHLORODIFLUOROMETHANE

Date form received by agency: 02/18/2002
Site name: HONEYWELL INTERNATIONAL INC.
Classification: Large Quantity Generator

Date form received by agency: 01/01/2001
Site name: HONEYWELL INC.
Classification: Large Quantity Generator

Date form received by agency: 04/24/2000
Site name: HONEYWELL INC - BUFFALO RESEARCH
Classification: Large Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT

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WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D003
. Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

. Waste code: D004
. Waste name: ARSENIC

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE,

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2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Date form received by agency: 04/08/1998
Site name: HONEYWELL INC - BUFFALO RESEARCH
Classification: Not a generator, verified

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D003
. Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D006
. Waste name: CADMIUM

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D011

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

. Waste name: SILVER

. Waste code: D012
. Waste name: ENDRIN

. Waste code: D013
. Waste name: LINDANE

. Waste code: D014
. Waste name: METHOXYCHLOR

. Waste code: D015
. Waste name: TOXAPHENE

. Waste code: D016
. Waste name: 2,4-D

. Waste code: D017
. Waste name: 2,4,5-TP (SILVEX)

. Waste code: D018
. Waste name: BENZENE

. Waste code: D019
. Waste name: CARBON TETRACHLORIDE

. Waste code: D020
. Waste name: CHLORDANE

. Waste code: D021
. Waste name: CHLOROBENZENE

. Waste code: D022
. Waste name: CHLOROFORM

. Waste code: D023
. Waste name: O-CRESOL

. Waste code: D024
. Waste name: M-CRESOL

. Waste code: D025
. Waste name: P-CRESOL

. Waste code: D026
. Waste name: CRESOL

. Waste code: D027
. Waste name: 1,4-DICHLOROBENZENE

. Waste code: D028
. Waste name: 1,2-DICHLOROETHANE

. Waste code: D029
. Waste name: 1,1-DICHLOROETHYLENE

. Waste code: D030

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

. Waste name: 2,4-DINITROTOLUENE

. Waste code: D031
. Waste name: HEPTACHLOR (AND ITS EPOXIDE).

. Waste code: D032
. Waste name: HEXACHLOROBENZENE

. Waste code: D033
. Waste name: HEXACHLOROBUTADIENE

. Waste code: D034
. Waste name: HEXACHLOROETHANE

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: D036
. Waste name: NITROBENZENE

. Waste code: D037
. Waste name: PENTRACHLOROPHENOL

. Waste code: D038
. Waste name: PYRIDINE

. Waste code: D039
. Waste name: TETRACHLOROETHYLENE

. Waste code: D040
. Waste name: TRICHLOROETHYLENE

. Waste code: D041
. Waste name: 2,4,5-TRICHLOROPHENOL

. Waste code: D042
. Waste name: 2,4,6-TRICHLOROPHENOL

. Waste code: D043
. Waste name: VINYL CHLORIDE

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F002
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING,

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BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F004
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: CRESOLS AND CRESYLIC ACID, AND NITROBENZENE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, AND F005; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F007
. Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS

. Waste code: F008
. Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

. Waste code: F009
. Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

. Waste code: P001
. Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

. Waste code: P002
. Waste name: ACETAMIDE, N-(AMINOTHIOXOMETHYL)-

. Waste code: P003
. Waste name: ACROLEIN

. Waste code: P004
. Waste name: ALDRIN

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

. Waste code: P005
. Waste name: ALLYL ALCOHOL

. Waste code: P006
. Waste name: ALUMINUM PHOSPHIDE (R,T)

. Waste code: P007
. Waste name: 5-(AMINOMETHYL)-3-ISOXAZOLOL

. Waste code: P008
. Waste name: 4-AMINOPYRIDINE

. Waste code: P009
. Waste name: AMMONIUM PICRATE (R)

. Waste code: P010
. Waste name: ARSENIC ACID H3ASO4

. Waste code: P011
. Waste name: ARSENIC OXIDE AS2O3

. Waste code: P012
. Waste name: ARSENIC OXIDE AS2O3

. Waste code: P013
. Waste name: BARIUM CYANIDE

. Waste code: P014
. Waste name: BENZENETHIOL

. Waste code: P015
. Waste name: BERYLLIUM

. Waste code: P017
. Waste name: BROMOACETONE

. Waste code: P018
. Waste name: BRUCINE

. Waste code: P020
. Waste name: DINOSEB

. Waste code: P021
. Waste name: CALCIUM CYANIDE

. Waste code: P022
. Waste name: CARBON DISULFIDE

. Waste code: P023
. Waste name: ACETALDEHYDE, CHLORO-

. Waste code: P024
. Waste name: BENZENAMINE, 4-CHLORO-

. Waste code: P026
. Waste name: 1-(O-CHLOROPHENYL)THIOUREA

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

. Waste code: P027
. Waste name: 3-CHLOROPROPIONITRILE

. Waste code: P028
. Waste name: BENZENE, (CHLOROMETHYL)-

. Waste code: P029
. Waste name: COPPER CYANIDE

. Waste code: P030
. Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

. Waste code: P031
. Waste name: CYANOGEN

. Waste code: P033
. Waste name: CYANOGEN CHLORIDE

. Waste code: P034
. Waste name: 2-CYCLOHEXYL-4,6-DINITROPHENOL

. Waste code: P036
. Waste name: ARSONOUS DICHLORIDE, PHENYL-

. Waste code: P037
. Waste name: DIELDRIN

. Waste code: P038
. Waste name: ARSINE, DIETHYL-

. Waste code: P039
. Waste name: DISULFOTON

. Waste code: P040
. Waste name: O,O-DIETHY: O-PYRAZINYL PHOSPHOROTHIOATE

. Waste code: P041
. Waste name: DIETHYL-P-NITROPHENYL PHOSPHATE

. Waste code: P042
. Waste name: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)-

. Waste code: P043
. Waste name: DIISOPROPYTFLUOROPHOSPHATE (DFP)

. Waste code: P044
. Waste name: DIMETHOATE

. Waste code: P045
. Waste name: 2-BUTANONE, 3,3-DIMETHYL-1-(METHYLTHIO)-, O-[METHYLAMINO)CARBONYL] OXIME

. Waste code: P046
. Waste name: BENZENEETHANAMINE, ALPHA,ALPHA-DIMETHYL-

. Waste code: P047
. Waste name: 4,6-DINITRO-O-CRESOL, & SALTS

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

. Waste code: P048
. Waste name: 2,4-DINITROPHENOL

. Waste code: P049
. Waste name: DITHIOBIURET

. Waste code: P050
. Waste name: ENDOSULFAN

. Waste code: P051
. Waste name: 2,7:3,6-DIMETHANONAPHTH [2,3-B]OXIRENE, 3,4,5,6,9,9-HEXACHLORO-1A,2,2A,3,6,6A,7,7A-OCTAHYDRO-, (1AALPHA,2BETA,2ABETA,3ALPHA,6ALPHA,6ABETA,7BETA, 7AALPHA)-, & METABOLITES

. Waste code: P054
. Waste name: AZIRIDINE

. Waste code: P056
. Waste name: FLUORINE

. Waste code: P057
. Waste name: ACETAMIDE, 2-FLUORO-

. Waste code: P058
. Waste name: ACETIC ACID, FLUORO-, SODIUM SALT

. Waste code: P059
. Waste name: HEPTACHLOR

. Waste code: P060
. Waste name: 1,4,5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXA-CHLORO-1,4,4A,5,8,8A-HEXAHYDRO-, (1ALPHA,4ALPHA,4ABETA,5BETA,8BETA,8ABETA)-

. Waste code: P062
. Waste name: HEXAETHYL TETRAPHOSPHATE

. Waste code: P063
. Waste name: HYDROCYANIC ACID

. Waste code: P064
. Waste name: METHANE, ISOCYANATO-

. Waste code: P065
. Waste name: FULMINIC ACID, MERCURY(2+) SALT (R,T)

. Waste code: P066
. Waste name: ETHANIMIDOTHIOIC ACID, N-[[(METHYLAMINO)CARBONYL]OXY]-, METHYL ESTER

. Waste code: P067
. Waste name: AZIRIDINE, 2-METHYL-

. Waste code: P068
. Waste name: HYDRAZINE, METHYL-

. Waste code: P069

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

. Waste name: 2-METHYLLACTONITRILE

. Waste code: P070
. Waste name: ALDICARB

. Waste code: P071
. Waste name: METHYL PARATHION

. Waste code: P072
. Waste name: ALPHA-NAPHTHYLTHIOUREA

. Waste code: P073
. Waste name: NICKEL CARBONYL

. Waste code: P074
. Waste name: NICKEL CYANIDE

. Waste code: P075
. Waste name: NICOTINE, & SALTS

. Waste code: P076
. Waste name: NITRIC OXIDE

. Waste code: P077
. Waste name: BENZENAMINE, 4-NITRO-

. Waste code: P078
. Waste name: NITROGEN DIOXIDE

. Waste code: P081
. Waste name: NITROGLYCERINE (R)

. Waste code: P082
. Waste name: METHANAMINE, N-METHYL-N-NITROSO-

. Waste code: P084
. Waste name: N-NITROSOMETHYLVINYLAMINE

. Waste code: P085
. Waste name: DIPHOSPHORAMIDE, OCTAMETHYL-

. Waste code: P087
. Waste name: OSMIUM OXIDE OSO4, (T-4)-

. Waste code: P088
. Waste name: ENDOTHALL

. Waste code: P089
. Waste name: PARATHION

. Waste code: P092
. Waste name: MERCURY, (ACETATO-O)PHENYL-

. Waste code: P093
. Waste name: PHENYLTHIOUREA

. Waste code: P095

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

. Waste name: CARBONIC DICHLORIDE

. Waste code: P096
. Waste name: HYDROGEN PHOSPHIDE

. Waste code: P097
. Waste name: FAMPHUR

. Waste code: P098
. Waste name: POTASSIUM CYANIDE

. Waste code: P099
. Waste name: ARGENTATE(1-), BIS(CYANO-C)-, POTASSIUM

. Waste code: P101
. Waste name: ETHYL CYANIDE

. Waste code: P102
. Waste name: PROPARGYL ALCOHOL

. Waste code: P103
. Waste name: SELENOUREA

. Waste code: P104
. Waste name: SILVER CYANIDE

. Waste code: P105
. Waste name: SODIUM AZIDE

. Waste code: P106
. Waste name: SODIUM CYANIDE

. Waste code: P107
. Waste name: Not Defined

. Waste code: P108
. Waste name: STRYCHNIDIN-10-ONE, & SALTS

. Waste code: P109
. Waste name: TETRAETHYLDITHIOPYROPHOSPHATE

. Waste code: P110
. Waste name: PLUMBANE, TETRAETHYL-

. Waste code: P111
. Waste name: DIPHOSPHORIC ACID, TETRAETHYL ESTER

. Waste code: P112
. Waste name: METHANE, TETRANITRO- (R)

. Waste code: P113
. Waste name: THALLIC OXIDE

. Waste code: P114
. Waste name: SELENIOUS ACID, DITHALLIUM(1+) SALT

. Waste code: P115

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

. Waste name: SULFURIC ACID, DITHALLIUM(1+) SALT

. Waste code: P116
. Waste name: HYDRAZINECARBOTHIOAMIDE

. Waste code: P118
. Waste name: METHANETHIOL, TRICHLORO-

. Waste code: P119
. Waste name: AMMONIUM VANADATE

. Waste code: P120
. Waste name: VANADIUM OXIDE V2O5

. Waste code: P121
. Waste name: ZINC CYANIDE

. Waste code: P122
. Waste name: ZINC PHOSPHIDE ZN3P2, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 10% (R,T)

. Waste code: P123
. Waste name: TOXAPHENE

. Waste code: U001
. Waste name: ACETALDEHYDE (I)

. Waste code: U002
. Waste name: ACETONE (I)

. Waste code: U003
. Waste name: ACETONITRILE (I,T)

. Waste code: U004
. Waste name: ACETOPHENONE

. Waste code: U005
. Waste name: ACETAMIDE, N-9H-FLUOREN-2-YL-

. Waste code: U006
. Waste name: ACETYL CHLORIDE (C,R,T)

. Waste code: U007
. Waste name: ACRYLAMIDE

. Waste code: U008
. Waste name: ACRYLIC ACID (I)

. Waste code: U009
. Waste name: ACRYLONITRILE

. Waste code: U010
. Waste name: AZIRINO[2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[(AMINOCARBONYL)OXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-METHOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA,8AALPHA,8BALPHA)]-

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

. Waste code: U011
. Waste name: AMITROLE

. Waste code: U012
. Waste name: ANILINE (I,T)

. Waste code: U014
. Waste name: AURAMINE

. Waste code: U015
. Waste name: AZASERINE

. Waste code: U016
. Waste name: BENZ[C]ACRIDINE

. Waste code: U017
. Waste name: BENZAL CHLORIDE

. Waste code: U018
. Waste name: BENZ[A]ANTHRACENE

. Waste code: U019
. Waste name: BENZENE (I,T)

. Waste code: U020
. Waste name: BENZENESULFONIC ACID CHLORIDE (C,R)

. Waste code: U021
. Waste name: BENZIDINE

. Waste code: U022
. Waste name: BENZO[A]PYRENE

. Waste code: U023
. Waste name: BENZENE, (TRICHLOROMETHYL)-

. Waste code: U024
. Waste name: DICHLOROMETHOXY ETHANE

. Waste code: U025
. Waste name: DICHLOROETHYL ETHER

. Waste code: U026
. Waste name: CHLORNAPHAZIN

. Waste code: U027
. Waste name: DICHLOROISOPROPYL ETHER

. Waste code: U028
. Waste name: 1,2-BENZENEDICARBOXYLIC ACID, BIS(2-ETHYLHEXYL) ESTER

. Waste code: U029
. Waste name: METHANE, BROMO-

. Waste code: U030
. Waste name: BENZENE, 1-BROMO-4-PHENOXY-

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

. Waste code: U031
. Waste name: 1-BUTANOL (I)

. Waste code: U032
. Waste name: CALCIUM CHROMATE

. Waste code: U033
. Waste name: CARBONIC DIFLUORIDE

. Waste code: U034
. Waste name: ACETALDEHYDE, TRICHLORO-

. Waste code: U035
. Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]-

. Waste code: U036
. Waste name: CHLORDANE, ALPHA & GAMMA ISOMERS

. Waste code: U037
. Waste name: BENZENE, CHLORO-

. Waste code: U038
. Waste name: BENZENEACETIC ACID, 4-CHLORO-ALPHA-(4-CHLOROPHENYL)-ALPHA-HYDROXY-, ETHYL ESTER

. Waste code: U039
. Waste name: P-CHLORO-M-CRESOL

. Waste code: U041
. Waste name: EPICHLOROHYDRIN

. Waste code: U042
. Waste name: 2-CHLOROETHYL VINYL ETHER

. Waste code: U043
. Waste name: ETHENE, CHLORO-

. Waste code: U044
. Waste name: CHLOROFORM

. Waste code: U045
. Waste name: METHANE, CHLORO- (I, T)

. Waste code: U046
. Waste name: CHLOROMETHYL METHYL ETHER

. Waste code: U047
. Waste name: BETA-CHLORONAPHTHALENE

. Waste code: U048
. Waste name: O-CHLOROPHENOL

. Waste code: U049
. Waste name: BENZENAMINE, 4-CHLORO-2-METHYL-, HYDROCHLORIDE

. Waste code: U050
. Waste name: CHRYSENE

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

. Waste code: U051
. Waste name: CREOSOTE

. Waste code: U052
. Waste name: CRESOL (CRESYLIC ACID)

. Waste code: U053
. Waste name: 2-BUTENAL

. Waste code: U055
. Waste name: BENZENE, (1-METHYLETHYL)- (I)

. Waste code: U056
. Waste name: BENZENE, HEXAHYDRO- (I)

. Waste code: U057
. Waste name: CYCLOHEXANONE (I)

. Waste code: U058
. Waste name: CYCLOPHOSPHAMIDE

. Waste code: U059
. Waste name: DAUNOMYCIN

. Waste code: U060
. Waste name: BENZENE, 1,1'-(2,2-DICHLOROETHYLIDENE)BIS[4-CHLORO-

. Waste code: U061
. Waste name: BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4-CHLORO-

. Waste code: U062
. Waste name: CARBAMOTHIOIC ACID, BIS(1-METHYLETHYL)-, S-(2,3-DICHLORO-2-PROPENYL) ESTER

. Waste code: U063
. Waste name: DIBENZ[A,H]ANTHRACENE

. Waste code: U064
. Waste name: BENZO[RST]PENTAPHENE

. Waste code: U066
. Waste name: 1,2-DIBROMO-3-CHLOROPROPANE

. Waste code: U067
. Waste name: ETHANE, 1,2-DIBROMO-

. Waste code: U068
. Waste name: METHANE, DIBROMO-

. Waste code: U069
. Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER

. Waste code: U070
. Waste name: BENZENE, 1,2-DICHLORO-

. Waste code: U071
. Waste name: BENZENE, 1,3-DICHLORO-

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

. Waste code: U072
. Waste name: BENZENE, 1,4-DICHLORO-

. Waste code: U073
. Waste name: [1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DICHLORO-

. Waste code: U074
. Waste name: 2-BUTENE, 1,4-DICHLORO- (I,T)

. Waste code: U075
. Waste name: DICHLORODIFLUOROMETHANE

. Waste code: U076
. Waste name: ETHANE, 1,1-DICHLORO-

. Waste code: U077
. Waste name: ETHANE, 1,2-DICHLORO-

. Waste code: U078
. Waste name: 1,1-DICHLOROETHYLENE

. Waste code: U079
. Waste name: 1,2-DICHLOROETHYLENE

. Waste code: U080
. Waste name: METHANE, DICHLORO-

. Waste code: U081
. Waste name: 2,4-DICHLOROPHENOL

. Waste code: U082
. Waste name: 2,6-DICHLOROPHENOL

. Waste code: U083
. Waste name: PROPANE, 1,2-DICHLORO-

. Waste code: U084
. Waste name: 1,3-DICHLOROPROPENE

. Waste code: U085
. Waste name: 2,2'-BIOXIRANE

. Waste code: U086
. Waste name: N,N'-DIETHYLHYDRAZINE

. Waste code: U087
. Waste name: O,O-DIETHYL S-METHYL DITHIOPHOSPHATE

. Waste code: U088
. Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIETHYL ESTER

. Waste code: U089
. Waste name: DIETHYLSTILBESTEROL

. Waste code: U090
. Waste name: 1,3-BENZODIOXOLE, 5-PROPYL-

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

. Waste code: U091
. Waste name: [1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DIMETHOXY-

. Waste code: U092
. Waste name: DIMETHYLAMINE (I)

. Waste code: U093
. Waste name: BENZENAMINE, N,N-DIMETHYL-4-(PHENYLAZO)-

. Waste code: U094
. Waste name: BENZ[A]ANTHRACENE, 7,12-DIMETHYL-

. Waste code: U095
. Waste name: [1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DIMETHYL-

. Waste code: U096
. Waste name: ALPHA,ALPHA-DIMETHYLBENZYLHYDROPEROXIDE (R)

. Waste code: U097
. Waste name: CARBAMIC CHLORIDE, DIMETHYL-

. Waste code: U098
. Waste name: 1,1-DIMETHYLHYDRAZINE

. Waste code: U099
. Waste name: 1,2-DIMETHYLHYDRAZINE

. Waste code: U101
. Waste name: 2,4-DIMETHYLPHENOL

. Waste code: U102
. Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIMETHYL ESTER

. Waste code: U103
. Waste name: DIMETHYL SULFATE

. Waste code: U105
. Waste name: BENZENE, 1-METHYL-2,4-DINITRO-

. Waste code: U106
. Waste name: BENZENE, 2-METHYL-1,3-DINITRO-

. Waste code: U107
. Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIOCTYL ESTER

. Waste code: U108
. Waste name: 1,4-DIETHYLENEOXIDE

. Waste code: U109
. Waste name: 1,2-DIPHENYLHYDRAZINE

. Waste code: U110
. Waste name: DIPROPYLAMINE (I)

. Waste code: U111
. Waste name: DI-N-PROPYLNITROSAMINE

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

. Waste code: U112
. Waste name: ACETIC ACID ETHYL ESTER (I)

. Waste code: U113
. Waste name: ETHYL ACRYLATE (I)

. Waste code: U114
. Waste name: CARBAMODITHIOIC ACID, 1,2-ETHANEDIYLBIS-, SALTS & ESTERS

. Waste code: U115
. Waste name: ETHYLENE OXIDE (I,T)

. Waste code: U116
. Waste name: ETHYLENETHIOUREA

. Waste code: U117
. Waste name: ETHANE, 1,1'-OXYBIS-(I)

. Waste code: U118
. Waste name: ETHYL METHACRYLATE

. Waste code: U119
. Waste name: ETHYL METHANESULFONATE

. Waste code: U120
. Waste name: FLUORANTHENE

. Waste code: U121
. Waste name: METHANE, TRICHLOROFLUORO-

. Waste code: U122
. Waste name: FORMALDEHYDE

. Waste code: U123
. Waste name: FORMIC ACID (C,T)

. Waste code: U124
. Waste name: FURAN (I)

. Waste code: U125
. Waste name: 2-FURANCARBOXALDEHYDE (I)

. Waste code: U126
. Waste name: GLYCIDYLALDEHYDE

. Waste code: U127
. Waste name: BENZENE, HEXACHLORO-

. Waste code: U128
. Waste name: 1,3-BUTADIENE, 1,1,2,3,4,4-HEXACHLORO-

. Waste code: U129
. Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-, (1ALPHA,2ALPHA,3BETA,4ALPHA,5ALPHA,6BETA)-

. Waste code: U130
. Waste name: 1,3-CYCLOPENTADIENE, 1,2,3,4,5,5-HEXACHLORO-

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

. Waste code: U131
. Waste name: ETHANE, HEXACHLORO-

. Waste code: U132
. Waste name: HEXACHLOROPHENE

. Waste code: U133
. Waste name: HYDRAZINE (R,T)

. Waste code: U134
. Waste name: HYDROFLUORIC ACID (C,T)

. Waste code: U135
. Waste name: HYDROGEN SULFIDE

. Waste code: U136
. Waste name: ARSINIC ACID, DIMETHYL-

. Waste code: U137
. Waste name: INDENO[1,2,3-CD]PYRENE

. Waste code: U138
. Waste name: METHANE, IODO-

. Waste code: U139
. Waste name: Not Defined

. Waste code: U141
. Waste name: 1,3-BENZODIOXOLE, 5-(1-PROPENYL)-

. Waste code: U142
. Waste name: KEPONE

. Waste code: U143
. Waste name: 2-BUTENOIC ACID, 2-METHYL-, 7-[[2,3-DIHYDROXY-
2-(1-METHOXYETHYL)-3-METHYL-1-OXOBUTOXY]METHYL]-
2,3,5,7A-TETRAHYDRO-1H-PYRROLIZIN-1-YL ESTER,
[1S-[1ALPHA(Z),7(2S*,3R*),7AALPHA]]-

. Waste code: U144
. Waste name: ACETIC ACID, LEAD(2+) SALT

. Waste code: U145
. Waste name: LEAD PHOSPHATE

. Waste code: U146
. Waste name: LEAD, BIS(ACETATO-O)TETRAHYDROXYTRI-

. Waste code: U147
. Waste name: 2,5-FURANDIONE

. Waste code: U148
. Waste name: MALEIC HYDRAZIDE

. Waste code: U149
. Waste name: MALONONITRILE

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

. Waste code: U150
. Waste name: MELPHALAN

. Waste code: U151
. Waste name: MERCURY

. Waste code: U152
. Waste name: METHACRYLONITRILE (I, T)

. Waste code: U153
. Waste name: METHANETHIOL (I, T)

. Waste code: U154
. Waste name: METHANOL (I)

. Waste code: U155
. Waste name: 1,2-ETHANEDIAMINE, N,N-DIMETHYL-N'-2-PYRIDINYL-N'-(2-THIENYLMETHYL)-

. Waste code: U156
. Waste name: CARBONOCHLORIDIC ACID, METHYL ESTER (I,T)

. Waste code: U157
. Waste name: BENZ[J]ACEANTHRYLENE, 1,2-DIHYDRO-3-METHYL-

. Waste code: U158
. Waste name: BENZENAMINE, 4,4'-METHYLENEBIS[2-CHLORO-

. Waste code: U159
. Waste name: 2-BUTANONE (I,T)

. Waste code: U160
. Waste name: 2-BUTANONE, PEROXIDE (R,T)

. Waste code: U161
. Waste name: METHYL ISOBUTYL KETONE (I)

. Waste code: U162
. Waste name: METHYL METHACRYLATE (I,T)

. Waste code: U163
. Waste name: GUANIDINE, N-METHYL-N'-NITRO-N-NITROSO-

. Waste code: U164
. Waste name: METHYLTHIOURACIL

. Waste code: U165
. Waste name: NAPHTHALENE

. Waste code: U166
. Waste name: 1,4-NAPHTHALENEDIONE

. Waste code: U167
. Waste name: 1-NAPHTHALENAMINE

. Waste code: U168
. Waste name: 2-NAPHTHALENAMINE

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

. Waste code: U169
. Waste name: BENZENE, NITRO-

. Waste code: U170
. Waste name: P-NITROPHENOL

. Waste code: U171
. Waste name: 2-NITROPROPANE (I,T)

. Waste code: U172
. Waste name: 1-BUTANAMINE, N-BUTYL-N-NITROSO-

. Waste code: U173
. Waste name: ETHANOL, 2,2'-(NITROSOIMINO)BIS-

. Waste code: U174
. Waste name: ETHANAMINE, N-ETHYL-N-NITROSO-

. Waste code: U176
. Waste name: N-NITROSO-N-ETHYLUREA

. Waste code: U177
. Waste name: N-NITROSO-N-METHYLUREA

. Waste code: U178
. Waste name: CARBAMIC ACID, METHYLNITROSO-, ETHYL ESTER

. Waste code: U179
. Waste name: N-NITROSOPIPERIDINE

. Waste code: U180
. Waste name: N-NITROSOPYRROLIDINE

. Waste code: U181
. Waste name: BENZENAMINE, 2-METHYL-5-NITRO-

. Waste code: U182
. Waste name: PARALDEHYDE

. Waste code: U183
. Waste name: BENZENE, PENTACHLORO-

. Waste code: U184
. Waste name: ETHANE, PENTACHLORO-

. Waste code: U185
. Waste name: BENZENE, PENTACHLORONITRO-

. Waste code: U186
. Waste name: 1-METHYLBUTADIENE (I)

. Waste code: U187
. Waste name: ACETAMIDE, N-(4-ETHOXYPHENYL)-

. Waste code: U188
. Waste name: PHENOL

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

. Waste code: U189
. Waste name: PHOSPHORUS SULFIDE (R)

. Waste code: U190
. Waste name: 1,3-ISOBENZOFURANDIONE

. Waste code: U191
. Waste name: 2-PICOLINE

. Waste code: U192
. Waste name: BENZAMIDE, 3,5-DICHLORO-N-(1,1-DIMETHYL-2-PROPYNYL)-

. Waste code: U193
. Waste name: 1,2-OXATHIOLANE, 2,2-DIOXIDE

. Waste code: U194
. Waste name: 1-PROPANAMINE (I,T)

. Waste code: U196
. Waste name: PYRIDINE

. Waste code: U197
. Waste name: P-BENZOQUINONE

. Waste code: U200
. Waste name: RESERPINE

. Waste code: U201
. Waste name: 1,3-BENZENEDIOL

. Waste code: U202
. Waste name: 1,2-BENZISOTHIAZOL-3(2H)-ONE, 1,1-DIOXIDE, & SALTS

. Waste code: U203
. Waste name: 1,3-BENZODIOXOLE, 5-(2-PROPENYL)-

. Waste code: U204
. Waste name: SELENIOUS ACID

. Waste code: U205
. Waste name: SELENIUM SULFIDE

. Waste code: U206
. Waste name: GLUCOPYRANOSE, 2-DEOXY-2-(3-METHYL-3-NITROSOUREIDO)-, D-

. Waste code: U207
. Waste name: BENZENE, 1,2,4,5-TETRACHLORO-

. Waste code: U208
. Waste name: ETHANE, 1,1,1,2-TETRACHLORO-

. Waste code: U209
. Waste name: ETHANE, 1,1,2,2-TETRACHLORO-

. Waste code: U210
. Waste name: ETHENE, TETRACHLORO-

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

. Waste code: U211
. Waste name: CARBON TETRACHLORIDE

. Waste code: U212
. Waste name: Not Defined

. Waste code: U213
. Waste name: FURAN, TETRAHYDRO-(I)

. Waste code: U214
. Waste name: ACETIC ACID, THALLIUM(1+) SALT

. Waste code: U215
. Waste name: CARBONIC ACID, DITHALLIUM(1+) SALT

. Waste code: U216
. Waste name: THALLIUM(I) CHLORIDE

. Waste code: U217
. Waste name: NITRIC ACID, THALLIUM(1+) SALT

. Waste code: U218
. Waste name: ETHANETHIOAMIDE

. Waste code: U219
. Waste name: THIOUREA

. Waste code: U220
. Waste name: BENZENE, METHYL-

. Waste code: U221
. Waste name: BENZENEDIAMINE, AR-METHYL-

. Waste code: U222
. Waste name: BENZENAMINE, 2-METHYL-, HYDROCHLORIDE

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T)

. Waste code: U225
. Waste name: BROMOFORM

. Waste code: U226
. Waste name: ETHANE, 1,1,1-TRICHLORO-

. Waste code: U227
. Waste name: ETHANE, 1,1,2-TRICHLORO-

. Waste code: U228
. Waste name: ETHENE, TRICHLORO-

. Waste code: U230
. Waste name: Not Defined

. Waste code: U231
. Waste name: Not Defined

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

. Waste code: U232
. Waste name: Not Defined

. Waste code: U233
. Waste name: Not Defined

. Waste code: U234
. Waste name: BENZENE, 1,3,5-TRINITRO-

. Waste code: U235
. Waste name: 1-PROPANOL, 2,3-DIBROMO-, PHOSPHATE (3:1)

. Waste code: U236
. Waste name: 2,7-NAPHTHALENEDISULFONIC ACID, 3,3'-[(3,3'-DIMETHYL[1,1'-BIPHENYL]-4,4'-DIYL)BIS(AZO)BIS[5-AMINO-4-HYDROXY]-, TETRASODIUM SALT

. Waste code: U237
. Waste name: 2,4-(1H,3H)-PYRIMIDINEDIONE, 5-[BIS(2-CHLOROETHYL)AMINO]-

. Waste code: U238
. Waste name: CARBAMIC ACID, ETHYL ESTER

. Waste code: U239
. Waste name: BENZENE, DIMETHYL- (I,T)

. Waste code: U240
. Waste name: ACETIC ACID, (2,4-DICHLOROPHENOXY)-, SALTS & ESTERS

. Waste code: U242
. Waste name: U242

. Waste code: U243
. Waste name: HEXACHLOROPROPENE

. Waste code: U244
. Waste name: THIOPEROXYDICARBONIC DIAMIDE [(H2N)C(S)]2S2, TETRAMETHYL-

. Waste code: U246
. Waste name: CYANOGEN BROMIDE (CN)BR

. Waste code: U247
. Waste name: BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4- METHOXY-

Date form received by agency: 02/23/1998
Site name: ALLIED SIGNAL INC.
Classification: Large Quantity Generator

Date form received by agency: 03/25/1996
Site name: ALLIED SIGNAL INC BUFFALO RESEARCH LAB
Classification: Large Quantity Generator

Date form received by agency: 03/29/1994
Site name: ALLIED SIGNAL INC BUFFALO RESEARCH LAB
Classification: Large Quantity Generator

Date form received by agency: 02/27/1992

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Site name: ALLIED SIGNAL
Classification: Large Quantity Generator

Date form received by agency: 09/26/1991
Site name: HONEYWELL INC - BUFFALO RESEARCH
Classification: Large Quantity Generator

Date form received by agency: 03/01/1990
Site name: ALLIED SIGNAL CORPORATION
Classification: Large Quantity Generator

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:

Waste code: D001
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
Amount (Lbs): 27206

Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 128083

Waste code: D003
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
Amount (Lbs): 3917

Waste code: D006
Waste name: CADMIUM
Amount (Lbs): 271

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 11337

Waste code: D008
Waste name: LEAD
Amount (Lbs): 271

Waste code: D009
Waste name: MERCURY

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Amount (Lbs): 35

Waste code: D018
Waste name: BENZENE
Amount (Lbs): 3415

Waste code: D019
Waste name: CARBON TETRACHLORIDE
Amount (Lbs): 4440

Waste code: D022
Waste name: CHLOROFORM
Amount (Lbs): 560

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 195

Waste code: D039
Waste name: TETRACHLOROETHYLENE
Amount (Lbs): 650

Waste code: D043
Waste name: VINYL CHLORIDE
Amount (Lbs): 15

Waste code: F001
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 1652

Waste code: F002
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 2687

Waste code: F003
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 7881

Waste code: F005
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
Amount (Lbs): 1754

Waste code: U033
Waste name: CARBONIC DIFLUORIDE
Amount (Lbs): 20

Waste code: U045
Waste name: METHANE, CHLORO- (I, T)
Amount (Lbs): 2

Waste code: U075
Waste name: DICHLORODIFLUOROMETHANE
Amount (Lbs): 134

Waste code: U092
Waste name: DIMETHYLAMINE (I)
Amount (Lbs): 6

Waste code: U121
Waste name: METHANE, TRICHLOROFLUORO-
Amount (Lbs): 35

Waste code: U135
Waste name: HYDROGEN SULFIDE
Amount (Lbs): 1

Waste code: U210
Waste name: ETHENE, TETRACHLORO-
Amount (Lbs): 650

Waste code: U213
Waste name: FURAN, TETRAHYDRO-(I)
Amount (Lbs): 50

Waste code: U228
Waste name: ETHENE, TRICHLORO-
Amount (Lbs): 650

Corrective Action Summary:
Event date: 11/14/1990
Event: NOTICE OF CONTAMINATION

Event date: 04/22/1991

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Event:	RFA INITIATION
Event date:	04/22/1991
Event:	RFA INITIATION
Event date:	07/08/1991
Event:	CA PRIORITIZATION-LOW CA PRIORITY
Event date:	08/09/1991
Event:	RFA COMPLETED
Event date:	08/27/1991
Event:	DRAFT RFA REPORT RECEIVED/PREPARED
Event date:	09/10/1991
Event:	SV OUTLINE COMPLETED
Event date:	06/01/1992
Event:	INVESTIGATION IMPOSITION
Event date:	06/01/1992
Event:	CA023
Event date:	08/11/1992
Event:	FORCE MAJEURE EVENT
Event date:	11/09/1992
Event:	SV WORKPLAN NOD
Event date:	03/22/1993
Event:	ESB REVIEW COMPLETED
Event date:	04/23/1993
Event:	START SV FIELD WORK
Event date:	08/11/1993
Event:	DISPUTE RESOLVED
Event date:	12/07/1993
Event:	DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY
Event date:	12/07/1993
Event:	RFA COMPLETED
Event date:	12/07/1993
Event:	SV DATA APPROVED
Event date:	04/06/1994
Event:	INVESTIGATION WORKPLAN RECEIVED
Event date:	04/06/1994
Event:	INVESTIGATION WORKPLAN RECEIVED
Event date:	05/19/1994
Event:	INVESTIGATION WORKPLAN NOTICE OF DEFICIENCY ISSUED
Event date:	07/06/1994

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Event: STABILIZATION MEASURES EVALUATION-NOT AMENABLE TO STABILIZATION (NOT FEASIBLE)

Event date: 07/07/1994
Event: RFI WORKPLAN RESUBMITTED

Event date: 08/05/1994
Event: INVESTIGATION WORKPLAN APPROVED

Event date: 09/26/1994
Event: INVESTIGATION IMPLEMENTATION BEGUN

Event date: 10/12/1994
Event: INVESTIGATION PROGRESS REPORTS RECEIVED

Event date: 08/25/1995
Event: Investigation FIELD OVERSIGHT INSPECTION

Event date: 10/15/1997
Event: CMS COMPLETE

Event date: 12/11/1997
Event: EXPANDED PUBLIC INVOLVEMENT

Event date: 03/09/1998
Event: CMI WORKPLAN APPROVED

Event date: 05/17/1999
Event: REMEDY CONSTRUCTION

Event date: 09/01/2009
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 09/01/2009
Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 09/23/2009
Event: REMEDY DECISION

Event date: 09/23/2009
Event: REMEDY CONSTRUCTION-NO REMEDY CONSTRUCTED

Event date: 09/22/2017
Event: READY FOR ANTICIPATED USE DETERMINATION - READY FOR ANTICIPATED USE

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 11/10/2000
Date achieved compliance: 02/26/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/24/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 04/17/1996
Date achieved compliance: 02/12/1997
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 04/17/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 2999
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 04/17/1996
Date achieved compliance: 02/12/1997
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 02/12/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 2000
Paid penalty amount: 2000

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 04/21/1994
Date achieved compliance: 03/14/1996
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 11/09/1994
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 24750
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 04/21/1994
Date achieved compliance: 03/14/1996
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 01/17/1996
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Final penalty amount: 12000
Paid penalty amount: 12000

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 03/27/1990
Date achieved compliance: 05/03/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/30/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 07/23/1986
Date achieved compliance: 04/24/1989
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/23/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 05/13/2014
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/15/2011
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/20/2010
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 02/13/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/28/2006

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/22/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/18/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/08/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/10/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 02/26/2001
Evaluation lead agency: State

Evaluation date: 01/24/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/19/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/31/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/30/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/14/1996
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Evaluation lead agency: State

Evaluation date: 03/14/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 02/12/1997
Evaluation lead agency: State

Evaluation date: 04/21/1994
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/19/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 03/14/1996
Evaluation lead agency: State

Evaluation date: 02/26/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/14/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/27/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 05/03/1990
Evaluation lead agency: State

Evaluation date: 02/01/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/13/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/19/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/23/1986

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 04/24/1989
Evaluation lead agency: State

Evaluation date: 11/25/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/07/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 09/28/1984
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/30/1984
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 11/15/1983
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

LTANKS:
Facility ID: 0205055
Site ID: 160776
Closed Date: 2002-10-01
Spill Number: 0205055
Spill Date: 2002-08-12
Spill Cause: Tank Failure
Spill Source: Commercial/Industrial
Spill Class: A3
Cleanup Ceased: Not reported
SWIS: 1502
Investigator: JFOTTO
Referred To: Not reported
Reported to Dept: 2002-08-13
CID: 211
Water Affected: Not reported
Spill Notifier: Responsible Party
Last Inspection: 2002-08-14
Recommended Penalty: False
Meets Standard: True
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 2002-08-13

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Spill Record Last Update:	2002-10-07
Spiller Name:	CALLER
Spiller Company:	HONEYWELL
Spiller Address:	20 PEABODY ST
Spiller County:	001
Spiller Contact:	ROB PENDRYS
Spiller Phone:	(716) 827-6249
Spiller Extention:	Not reported
DEC Region:	9
DER Facility ID:	135746
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was JFO 08/14/02 JFO ON SITE MET WITH ROB PENDRYS AND WALTER HRIBIK. HONEYWELL DETERMINED THAT ONLY 43 POUNDS (APPROX 6 GALLONS) OF PRODUCT WAS SPILLED. <1 GALLON REACHED THE DRAIN AND THE BALANCE DISIPATED WHEN IT HIT THE HOT PAVEMENT. BSA WAS NOTIFIED BY HONEYWELL. THE DRAIN WAS NOT FLOWING AND THEY WERE ABLE TO VAC THE DRAIN REMOVING 16 GALLONS OF WATER AND ACETONE WHICH WILL BE PROPERLY DISPOSED. FAXED A COPY OF THE SPILL REPORT TO ROB PENDRYS. DISPOSAL RECEIPT TO FOLLOW. 09/30/02 JFO CALL TO ROB PENDRYS FOR THE DISPOSAL RECEIPTS. HE WAS NOT IN, I LEFT A MESSAGE ON HIS MACHINE. JFO CALL FROM ROB P. HE WILL SEND RECEIPT TODAY VIA FAX. 10/01/02 JFO RECEIVED THE DISPOSAL RECEIPTS FOR THE DRUM AND CONTAMINATED WATER. NO FURTHER ACTION REQUIRED. CLOSED"
Remarks:	"drum being moved by forklift and fell causing spill - storm sewer also affected - storm sewer was pumped out - most of spill was onto asphalt"

All Materials:

Site ID:	160776
Operable Unit ID:	856348
Operable Unit:	01
Material ID:	519264
Material Code:	0024B
Material Name:	2-propanone
Case No.:	00067641
Material FA:	Hazardous Material
Quantity:	5.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

CBS:

CBS Number:	9-000298
Program Type:	CBS
Facility Status:	Unregulated/Closed
Expiration Date:	Not reported
Dec Region:	9
UTMX:	186305.25509
UTMY:	4753320.89714

CBS Number:	9-000351
Program Type:	CBS
Facility Status:	Active
Expiration Date:	08/19/2018
Dec Region:	9
UTMX:	186305.25509

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

UTMY: 4753320.89714

CBS AST:

CBS Number:	9-000351
ICS Number:	Not reported
PBS Number:	Not reported
MOSF Number:	Not reported
SPDES Number:	Not reported
Facility Status:	IN SERVICE
Facility Type:	I
Telephone:	(716) 827-6200
Facility Town:	BUFFALO (C)
Region:	STATE
Expiration Date:	05/13/2000
Total Capacity of All Active Tanks(gal):	0
Operator:	RAYMOND L. STARK
Emergency Contact:	JAY HOESTERMANN
Emergency Phone:	(716) 827-6318
Owner Name:	ALLIED SIGNAL CORP. INC.
Owner Address:	101 COLUMBIA ROAD
Owner City,St,Zip:	MORRISTOWN, NJ 07962
Owner Telephone:	(201) 455-2000
Owner Type:	Corporate/Commercial
Owner Sub Type:	Not reported
Mail Name:	ALLIED SIGNAL INC
Mail Contact Addr:	BUFFALO RESEARCH LABORATORY
Mail Contact Addr2:	20 PEABODY STREET
Mail Contact Contact:	JAY HOESTERMANN
Mail Contact City,St,Zip:	BUFFALO, NY 14210
Mail Phone:	(716) 827-6318

Tank Id:	HT-3
CAS Number:	1310583
Federal ID:	Not reported
Tank Status:	0
Install Date:	04/94
Tank Closed:	12/99
Capacity (Gal):	1000
Chemical:	Potassium hydroxide
Tank Location:	Indoors, Aboveground
Tank Type:	Steel/carbon steel
Total Tanks:	0
Tank Secret:	False
Tank Secondary Containment:	01
Tank Error Status:	No Missing Data
Date Entered:	05/09/1994
Certified Date:	02/27/1998
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	None
External Protection:	None,Painted/Asphalt Coating
Pipe Location:	Aboveground
Pipe Type:	Steel/Iron
Pipe Internal:	None
Pipe External:	00
Pipe Flag:	00
Leak Detection:	00
Overfill Protection:	00

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Haz Percent:	45
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	1402
Lat/Long:	42|52|07 / 78|50|28
Is Updated:	False
Renew Date:	Not reported
Is It There:	False
Delinquent:	False
Date Expired:	Not reported
Owner Mark:	1
Certificate Needs to be Printed:	42|52|07 / 78|50|28
Fiscal Amt for Registration Fee Correct:	42|52|07 / 78|50|28
Renewal Has Been Printed for Facility:	42|52|07 / 78|50|28
Pre-Printed Renewal App Last Printed:	42|52|07 / 78|50|28

Tank Id:	HT-1
CAS Number:	1310583
Federal ID:	Not reported
Tank Status:	0
Install Date:	04/94
Tank Closed:	12/99
Capacity (Gal):	1000
Chemical:	Potassium hydroxide
Tank Location:	Indoors, Aboveground
Tank Type:	Steel/carbon steel
Total Tanks:	0
Tank Secret:	False
Tank Secondary Containment:	01
Tank Error Status:	No Missing Data
Date Entered:	05/09/1994
Certified Date:	02/27/1998
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	None
External Protection:	None,Painted/Asphalt Coating
Pipe Location:	Aboveground
Pipe Type:	Steel/Iron
Pipe Internal:	None
Pipe External:	00
Pipe Flag:	00
Leak Detection:	00
Overfill Protection:	00
Haz Percent:	45
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	1402
Lat/Long:	42|52|07 / 78|50|28
Is Updated:	False
Renew Date:	Not reported
Is It There:	False
Delinquent:	False
Date Expired:	Not reported
Owner Mark:	1
Certificate Needs to be Printed:	42|52|07 / 78|50|28
Fiscal Amt for Registration Fee Correct:	42|52|07 / 78|50|28
Renewal Has Been Printed for Facility:	42|52|07 / 78|50|28

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Pre-Printed Renewal App Last Printed: 42|52|07 / 78|50|28

Tank Id:	HT-2
CAS Number:	1310583
Federal ID:	Not reported
Tank Status:	0
Install Date:	04/94
Tank Closed:	12/99
Capacity (Gal):	1000
Chemical:	Potassium hydroxide
Tank Location:	Indoors, Aboveground
Tank Type:	Steel/carbon steel
Total Tanks:	0
Tank Secret:	False
Tank Secondary Containment:	01
Tank Error Status:	No Missing Data
Date Entered:	05/09/1994
Certified Date:	02/27/1998
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	None
External Protection:	None,Painted/Asphalt Coating
Pipe Location:	Aboveground
Pipe Type:	Steel/Iron
Pipe Internal:	None
Pipe External:	00
Pipe Flag:	00
Leak Detection:	00
Overfill Protection:	00
Haz Percent:	45
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	1402
Lat/Long:	42|52|07 / 78|50|28
Is Updated:	False
Renew Date:	Not reported
Is It There:	False
Delinquent:	False
Date Expired:	Not reported
Owner Mark:	1
Certificate Needs to be Printed:	42|52|07 / 78|50|28
Fiscal Amt for Registration Fee Correct:	42|52|07 / 78|50|28
Renewal Has Been Printed for Facility:	42|52|07 / 78|50|28
Pre-Printed Renewal App Last Printed:	42|52|07 / 78|50|28

Tank Id:	HT-6
CAS Number:	1310583
Federal ID:	Not reported
Tank Status:	0
Install Date:	04/94
Tank Closed:	12/99
Capacity (Gal):	1000
Chemical:	Potassium hydroxide
Tank Location:	Indoors, Aboveground
Tank Type:	Steel/carbon steel
Total Tanks:	0

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Tank Secret:	False
Tank Secondary Containment:	01
Tank Error Status:	No Missing Data
Date Entered:	05/09/1994
Certified Date:	02/27/1998
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	None
External Protection:	None,Painted/Asphalt Coating
Pipe Location:	Aboveground
Pipe Type:	Steel/Iron
Pipe Internal:	None
Pipe External:	00
Pipe Flag:	00
Leak Detection:	00
Overfill Protection:	00
Haz Percent:	45
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	1402
Lat/Long:	42|52|07 / 78|50|28
Is Updated:	False
Renew Date:	Not reported
Is It There:	False
Delinquent:	False
Date Expired:	Not reported
Owner Mark:	1
Certificate Needs to be Printed:	42|52|07 / 78|50|28
Fiscal Amt for Registration Fee Correct:	42|52|07 / 78|50|28
Renewal Has Been Printed for Facility:	42|52|07 / 78|50|28
Pre-Printed Renewal App Last Printed:	42|52|07 / 78|50|28

Tank Id:	HT-4
CAS Number:	1310583
Federal ID:	Not reported
Tank Status:	0
Install Date:	04/94
Tank Closed:	12/99
Capacity (Gal):	1000
Chemical:	Potassium hydroxide
Tank Location:	Indoors, Aboveground
Tank Type:	Steel/carbon steel
Total Tanks:	0
Tank Secret:	False
Tank Secondary Containment:	01
Tank Error Status:	No Missing Data
Date Entered:	05/09/1994
Certified Date:	02/27/1998
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	None
External Protection:	None,Painted/Asphalt Coating
Pipe Location:	Aboveground
Pipe Type:	Steel/Iron
Pipe Internal:	None
Pipe External:	00
Pipe Flag:	00
Leak Detection:	00

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Overfill Protection:	00
Haz Percent:	45
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	1402
Lat/Long:	42|52|07 / 78|50|28
Is Updated:	False
Renew Date:	Not reported
Is It There:	False
Delinquent:	False
Date Expired:	Not reported
Owner Mark:	1
Certificate Needs to be Printed:	42|52|07 / 78|50|28
Fiscal Amt for Registration Fee Correct:	42|52|07 / 78|50|28
Renewal Has Been Printed for Facility:	42|52|07 / 78|50|28
Pre-Printed Renewal App Last Printed:	42|52|07 / 78|50|28

Tank Id:	HT-5
CAS Number:	1310583
Federal ID:	Not reported
Tank Status:	0
Install Date:	04/94
Tank Closed:	12/99
Capacity (Gal):	1000
Chemical:	Potassium hydroxide
Tank Location:	Indoors, Aboveground
Tank Type:	Steel/carbon steel
Total Tanks:	0
Tank Secret:	False
Tank Secondary Containment:	01
Tank Error Status:	No Missing Data
Date Entered:	05/09/1994
Certified Date:	02/27/1998
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	None
External Protection:	None,Painted/Asphalt Coating
Pipe Location:	Aboveground
Pipe Type:	Steel/Iron
Pipe Internal:	None
Pipe External:	00
Pipe Flag:	00
Leak Detection:	00
Overfill Protection:	00
Haz Percent:	45
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	1402
Lat/Long:	42|52|07 / 78|50|28
Is Updated:	False
Renew Date:	Not reported
Is It There:	False
Delinquent:	False
Date Expired:	Not reported
Owner Mark:	1
Certificate Needs to be Printed:	42|52|07 / 78|50|28
Fiscal Amt for Registration Fee Correct:	42|52|07 / 78|50|28

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Renewal Has Been Printed for Facility: 42|52|07 / 78|50|28
Pre-Printed Renewal App Last Printed: 42|52|07 / 78|50|28

Tank Id:	1-HT-1200
CAS Number:	108883
Federal ID:	Not reported
Tank Status:	0
Install Date:	03/91
Tank Closed:	08/96
Capacity (Gal):	6500
Chemical:	Toluene
Tank Location:	Indoors, Aboveground
Tank Type:	Steel/carbon steel
Total Tanks:	0
Tank Secret:	False
Tank Secondary Containment:	01
Tank Error Status:	No Missing Data
Date Entered:	03/04/1991
Certified Date:	01/30/1995
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	None
External Protection:	None,Painted/Asphalt Coating
Pipe Location:	Aboveground
Pipe Type:	Steel/Iron
Pipe Internal:	None
Pipe External:	None
Pipe Flag:	None
Leak Detection:	None
Overfill Protection:	23
Haz Percent:	100
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	1402
Lat/Long:	42|52|07 / 78|50|28
Is Updated:	False
Renew Date:	12/01/92
Is It There:	False
Delinquent:	False
Date Expired:	03/07/95
Owner Mark:	1
Certificate Needs to be Printed:	42|52|07 / 78|50|28
Fiscal Amt for Registration Fee Correct:	42|52|07 / 78|50|28
Renewal Has Been Printed for Facility:	42|52|07 / 78|50|28
Pre-Printed Renewal App Last Printed:	42|52|07 / 78|50|28

DEL SHWS:

Year:	Not reported
Site Code Id:	Not reported
Site Classification:	Not reported
Region:	9
Epa Id Number:	Not reported
Site Type - Dump:	No
Site Type - Structure:	No
Site Type - Lagoon:	No
Site Type - Landfill:	No
Site Type - Treat Pond:	No

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Site Size (Acres):	Not reported
Site Size Comment:	Not reported
Period Assoc/HW Start:	Not reported
Period Assoc/HW End:	Not reported
Lat/Long:	Not reported
Lat/Long Decimal:	Not reported
Lat/Long (dms):	Not reported
Hazardous Waste Code:	915002
Hazard Waste Disposed:	Not reported
Quantity:	Not reported
Air Data Available:	No
SW Std Contravention:	No
GW Std Contravention:	No
Soil Type:	Not reported
Sediment Data Available:	No
GW Std Contravention:	No
DW Std Contravention:	No
SW Std Contravention:	No
Air Stand Contraventions:	No
Legal Action Type:	Not reported
State Legal Action:	No
Federal Legal Action:	No
Enforce Status Code:	Not reported
Remedial Act Proposed:	No
Rem Act Under Design:	No
Rem Act In Progress:	No
Rem Act Completed:	No
Remedial Action Type:	Not reported
Soil Type:	Not reported
Depth To Groundwater:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Owner Phone:	Not reported
Owner Contact Name:	Not reported
Owner During Disposal:	Not reported
Owner During Use:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City,St,Zip:	Not reported
Operator Phone:	Not reported
Operator Contact Name:	Not reported
Oper During Disposal:	Not reported
Site Type:	Not reported
HW Disposal Period:	Not reported
Analytical Data Available:	Not reported
Applicable Std Exceeded:	Not reported
Geotech Info:	Not reported
Depth To Groundwater:	Not reported
Status:	Not reported
Nature Of Action:	Not reported
Env Prob Assessment:	Not reported
Site Description:	Not reported
Confirmed HW:	Not reported
Environment Assesment:	Not reported
Health Assesment:	Not reported
Disposal Start Date:	Not reported

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Disposal Term Date:	Not reported
Air Violation:	Not reported
Groundwater Violation:	Not reported
Drink Water Violation:	Not reported
Surface Water Violation:	Not reported
Legal New York State:	Not reported
Legal Federal:	Not reported
Legal State:	Not reported
Remedial Action Active:	Not reported
Remedial Action Done:	Not reported
NPL Status:	Not reported
Count Operator:	Not reported
Count Owner:	Not reported
NYTM X:	Not reported
NYTM Y:	Not reported
Co Name:	Not reported
Co Addr:	Not reported
Operator Addr:	Not reported
Operator Addr 2:	Not reported
Operator Addr 3:	Not reported
Operator Addr 4:	Not reported
HWDP From:	Not reported
From To:	Not reported
Assessment of Health:	Not reported
Description:	The Honeywell Buffalo Research Laboratory sites, which became operational in the mid 1950s, occupies approximately 13 acres in Buffalo, NY. The facility conducts advanced research and development on a variety of organic and inorganic chemicals. In October of 1992, the New York State Department of Conservation (NYSDEC) issued a Part B Permit for the facility in accordance with Section 6 NYCRR Article 27, Title 9. In addition to corrective action requirements, Honeywells permit allowed the operation of a hazardous waste container storage area. Clean closure of the storage area was accepted by the NYSDEC on March 8, 2004. A RCRA Facility Assessment (RFA) was completed in 1993 to determine if a release of hazardous waste had occurred from any Areas of Concern or Solid Waste Management Units. The RFA determined low levels of contaminants were present in the soil and groundwater. This contamination did result from operation of the hazardous waste container storage area. Arsenic in the surface soil required a soil management plan. The NYSDEC has determined that the arsenic levels in the soil currently do not pose a threat to human health or the environment.
Record Added Date:	11/18/1999
Record Updated Date:	04/14/2011
Env Assessment:	Not reported
HW Disposed/Quantity:	Not reported
Assess/Env Prog:	Not reported
Assess/Health Prob:	Not reported
Site Description:	Not reported

SPILLS:

Facility ID:	0407549
Facility Type:	ER
Spill Number:	0407549
DER Facility ID:	267180
Site ID:	332040
DEC Region:	9

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Closed Date:	2004-10-07
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	1502
Spill Date:	2004-10-07
Investigator:	FXGALLEG
Referred To:	Not reported
Reported to Dept:	2004-10-07
CID:	408
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2004-10-07
Spill Record Last Update:	2005-05-12
Spiller Name:	LANA DOLE
Spiller Company:	HONEYWELL RESEARCH LAB
Spiller Address:	20 PEABODY STREET
Spiller Company:	001
Contact Name:	LANA DOLE
DEC Memo:	"10/6/04 SPILL REFERRED TO THE DIVISION OF AIR. THEY WILL FOLLOW UP ON THE REPORT. NO FURTHER ACTION BY SPILLS IS REQUIRED. THE SITE IS CLOSED. ELECTRONIC FILE ONLY."
Remarks:	"ONE POUND OF NYS RQ, REPORTABLE QUANTITY ."

All Materials:

Site ID:	332040
Operable Unit ID:	1094299
Operable Unit:	01
Material ID:	574412
Material Code:	1350A
Material Name:	chlorodifluoromethane
Case No.:	00075456
Material FA:	Hazardous Material
Quantity:	2.00
Units:	L
Recovered:	2.00
Oxygenate:	Not reported

Facility ID:	0411093
Facility Type:	ER
Spill Number:	0411093
DER Facility ID:	67669
Site ID:	336346
DEC Region:	9
Closed Date:	2005-01-19
Spill Cause:	Other
Spill Class:	D3
SWIS:	1500
Spill Date:	2005-01-12
Investigator:	MXFRANKS
Referred To:	Not reported

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Reported to Dept:	2005-01-12
CID:	408
Water Affected:	BUFFALO SEWER AUTHOR
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	2005-01-17
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2005-01-18
Spill Record Last Update:	2005-01-19
Spiller Name:	LANA DOLE
Spiller Company:	HONEYWELL BUFFALO RESEARC
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	LANA DOLE
DEC Memo:	"01/17/05: MF S/I/LANA DOLE & BOB JOHNSON, HONEYWELL. 55-GALLON DRUM OF METHENOL DEVELOPED BOTTOM LEAK. LOST APPX 42 POUNDS TO THE CONCRETE SURFACE & SOME TO THE SANITARY SEWER. THE BSA NOTIFIED & SEEMED NOT TO CARE. SPILLAGE CLEANED & WILL HE DISPOSED IN THEIR WASTE STREAM. SMALL SPILL APPX 7 GALLONS. NO FURTHER ACTION NECESSARY."
Remarks:	"due to a leaking drum. all of the material went into the sewer."

All Materials:

Site ID:	336346
Operable Unit ID:	1098372
Operable Unit:	01
Material ID:	578727
Material Code:	0032A
Material Name:	methanol
Case No.:	00067561
Material FA:	Hazardous Material
Quantity:	30.00
Units:	L
Recovered:	.00
Oxygenate:	True

Site ID:	336346
Operable Unit ID:	1098372
Operable Unit:	01
Material ID:	2106947
Material Code:	1213A
Material Name:	MTBE (methyl-tert-butyl ether)
Case No.:	01634044
Material FA:	Hazardous Material
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	True

Facility ID:	1001668
Facility Type:	ER
Spill Number:	1001668
DER Facility ID:	135746

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Site ID:	434742
DEC Region:	9
Closed Date:	2010-05-13
Spill Cause:	Equipment Failure
Spill Class:	D4
SWIS:	1502
Spill Date:	2010-05-13
Investigator:	FXGALLEG
Referred To:	Not reported
Reported to Dept:	2010-05-13
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2010-05-13
Spill Record Last Update:	2010-05-13
Spiller Name:	Not reported
Spiller Company:	HONEYWELL RESEARCH LABS
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	LANA DOLE
DEC Memo:	"5/13/10 FG SPOKE TO LANA DOLE WITH HONEYWELL. SHE SAID THAT THE SPILL WAS LESS THAN THE REPORTABLE QUANTITY AND HAS BEEN CLEANED UP. SHE DOES NOT HAVE AN EXACT FIGURE BUT INDICATED THE AMOUNT SPILLED IS LESS THAN 1 GALLON OF MATERIAL. THE BSA IS SAMPLING THE SEWERS TODAY. MS. DOLE DOES NOT BELIEVE THE ENTIRE AMOUNT REACHED THE SEWERS. NO FURTHER ACTION BY SPILLS IS REQUIRED. THE SITE IS CLOSED."
Remarks:	"leaking cynider leak possibley into sewer, spill has been stopped clean up pending"

All Materials:

Site ID:	434742
Operable Unit ID:	1185547
Operable Unit:	01
Material ID:	2180275
Material Code:	0177A
Material Name:	hydrofluoric acid
Case No.:	07664393
Material FA:	Hazardous Material
Quantity:	Not reported
Units:	Not reported
Recovered:	Not reported
Oxygenate:	Not reported

Facility ID:	0304794
Facility Type:	ER
Spill Number:	0304794
DER Facility ID:	67669
Site ID:	71521
DEC Region:	9
Closed Date:	2003-08-06

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Spill Cause:	Equipment Failure
Spill Class:	E5
SWIS:	1500
Spill Date:	2003-08-06
Investigator:	BRENNAN
Referred To:	Not reported
Reported to Dept:	2003-08-06
CID:	257
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2003-08-06
Spill Record Last Update:	2003-08-06
Spiller Name:	CALLER
Spiller Company:	HONEYWELL
Spiller Address:	20 PEABODY STREET
Spiller Company:	001
Contact Name:	LANA DOLE
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was KAB 08/06/03: KAB RECEIVED REPORT OF FREON RELEASE. REFERRED TO DIV. OF AIR RESOURCES FOR FOLLOW-UP. NO ACTION BY SPILLS POSSIBLE. CLOSE OUT. ********NO PAPER FILE EXISTS FOR THIS SPILL********"
Remarks:	"leaking tube during maintance"

All Materials:

Site ID:	71521
Operable Unit ID:	871615
Operable Unit:	01
Material ID:	505646
Material Code:	0050A
Material Name:	freon
Case No.:	Not reported
Material FA:	Other
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Facility ID:	0311385
Facility Type:	ER
Spill Number:	0311385
DER Facility ID:	67669
Site ID:	71522
DEC Region:	9
Closed Date:	2004-01-15
Spill Cause:	Equipment Failure
Spill Class:	C3
SWIS:	1500
Spill Date:	2004-01-08
Investigator:	MXFRANKS
Referred To:	Not reported

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Reported to Dept:	2004-01-08
CID:	404
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	2004-01-14
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2004-01-08
Spill Record Last Update:	2004-01-23
Spiller Name:	LANA DOLE
Spiller Company:	HONEYWELL RESEARCH LAB
Spiller Address:	20 PEABODY STREET
Spiller Company:	001
Contact Name:	LANA DOLE
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MF 01/08/04: MF S/I/LANA DOLE, ROB PENDRYS, WALT HRIBIK, HONEYWELL LABS. LIQUID MTBE CARRING n-FLUORBENZENESULFONIMIDE IN A POWERED FORM GOT BLOCKED IN LINE CARRING SUBSTANCES, OVERFLOWED OUT OF FLAT ROOF VENT PIPE. THE 43 LBS OF MTBE EVAPORATED. TEH n-F THAN GOT LOCKED UP IN THE ICE & WOOD WALKWAY. THEY WILL REMEDIATE TOMORROW AS ITS GETTING LATE & THERE IS NO CHANCE OF A THAW. TEMP APPX 20 DEGREES, GETTING DOWN TO 0 TONITE. THEY WILL TRY TO DETERMINE HOW MUCH WAS SPILLED. 01/09/04: MF T/C LANA, AREA STEAM JETTED & VACCED UP. WILL REMOVE WOOD WHEN NEW WALKWAY IS BUILT, SAFETY CONCERNS. SHE WILL CALL AREA IS CLEANED. ROOF DRAINS PLUGGED. 01/14/04: MF S/I/LANA DOLE, 5TH FLOOR ROOF AREA OF BUILDING 515 CALEANED. WOODEN FLOORING REPLACED. 1-5 GALLON PAIL OF RAGS & A DRUM OF WATER GENERATED. THIS DEBRIS WILL BE DISPOSED OF IN THEIR REGULATED WASTESTREAM. ROOF IS METAL, NO FURTHER ACTION NECESSARY. "
Remarks:	"RUPTURED LINE CAUSED THE SPILL."

All Materials:

Site ID:	71522
Operable Unit ID:	876739
Operable Unit:	01
Material ID:	500197
Material Code:	1213B
Material Name:	methyl-tert-butyl ether (MTBE)
Case No.:	01634044
Material FA:	Hazardous Material
Quantity:	43.00
Units:	L
Recovered:	.00
Oxygenate:	Not reported

Facility ID:	9602139
Facility Type:	ER
Spill Number:	9602139
DER Facility ID:	67669
Site ID:	71523
DEC Region:	9
Closed Date:	1996-05-15
Spill Cause:	Equipment Failure

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Spill Class:	C5
SWIS:	1500
Spill Date:	1996-05-08
Investigator:	SACALAND
Referred To:	Not reported
Reported to Dept:	1996-05-14
CID:	312
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Federal Government
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1996-05-14
Spill Record Last Update:	1996-05-16
Spiller Name:	Not reported
Spiller Company:	ALLIED SIGNAL
Spiller Address:	20 PEABODY STREET
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was SAC 5/14/96:COPY OF REPORT GIVEN TO DIV.OF AIR,DIV.OF WATER,BUFF SEWER AUTORITY,SAC TELECON DENNIS YOUNG/BSA NOTIFYING HIM OF SPILL,SPILL WAS BELOW REPORTABLE QUANTITY FOR ANTIMONY PENTACHLORIDE." Not reported
Remarks:	"r31 and r32 - liquid ??? reactor accident caused release of antimony to sewer - released on may 11th 1996 - also, notifier indicated reactor routinely releases methyline chloride, r31 and r32 to the air" Not reported

All Materials:

Site ID:	71523
Operable Unit ID:	1029633
Operable Unit:	01
Material ID:	351940
Material Code:	1581A
Material Name:	refrigerant
Case No.:	Not reported
Material FA:	Other
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Site ID:	71523
Operable Unit ID:	1029633
Operable Unit:	01
Material ID:	351939
Material Code:	2283A
Material Name:	antimony pentachloride
Case No.:	07647189
Material FA:	Hazardous Material
Quantity:	2.00
Units:	L
Recovered:	.00

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Oxygenate:	Not reported
Site ID:	71523
Operable Unit ID:	1029633
Operable Unit:	01
Material ID:	351938
Material Code:	0033B
Material Name:	dichloromethane
Case No.:	00075092
Material FA:	Hazardous Material
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported
Facility ID:	9701074
Facility Type:	ER
Spill Number:	9701074
DER Facility ID:	67669
Site ID:	71524
DEC Region:	9
Closed Date:	1997-04-25
Spill Cause:	Unknown
Spill Class:	E6
SWIS:	1500
Spill Date:	1997-04-19
Investigator:	SORGI
Referred To:	Not reported
Reported to Dept:	1997-04-23
CID:	999
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Citizen
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	1997-04-25
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1997-04-24
Spill Record Last Update:	1999-03-03
Spiller Name:	Not reported
Spiller Company:	Allied Signal
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MJS 04/25/97: MJS SITE INSPECT. NO EVIDENCE FOUND TO CONFIRM REPORT. NO FURTHER ACTION POSSIBLE. MJS CLOSE FILE."
Remarks:	"ANONYMOUS EMPLOYEE REPORTS ACCIDENTAL RELEASE."

All Materials:

Site ID:	71524
Operable Unit ID:	1047212
Operable Unit:	01
Material ID:	337638
Material Code:	0037A

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Material Name:	propane, 1,2-dibromo-3-chloro-
Case No.:	00096128
Material FA:	Hazardous Material
Quantity:	200.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Facility ID:	9908022
Facility Type:	ER
Spill Number:	9908022
DER Facility ID:	56164
Site ID:	71525
DEC Region:	9
Closed Date:	2000-01-31
Spill Cause:	Human Error
Spill Class:	B4
SWIS:	1502
Spill Date:	1999-09-30
Investigator:	SORGI
Referred To:	Not reported
Reported to Dept:	1999-10-01
CID:	211
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1999-10-01
Spill Record Last Update:	2013-01-07
Spiller Name:	JAY HOESTERMANN
Spiller Company:	ALLIED SIGNAL/HONEYWELL
Spiller Address:	20 PEABODY STREET
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MJS 10/01/99: SPILL OCCURRED AFTER-HOURS YESTERDAY, NOT REPORTED UNTIL TODAY AT 1448 HRS. SPILL ENTERED SEWER TO WATER TREATMENT PLANT. NOTHING TO SEE AT THIS POINT. MJS SPOKE WITH CHIEF BORCYNSKI WITH USCG REGARDING INCIDENT. 01/03/00: MJS REVIEW FILE. NO DOCUMENTATION. MJS TELECON TO JAY HOESTERMANN, LEFT MESSAGE FOR HIM TO CALL. 01/04/00: MJS TELECON FROM MR HOESTERMANN. HE WILL FORWARD A REPORT HE SUBMITTED TO BUFFALO SEWER AUTHORITY. 01/05/00: MJS RECEIVED FAXED REPORT FROM MR HOESTERMANN. SPILL CAUSED BY EMPLOYEE FILLING DRUM AND NOT WATCHING OPERATION. MATERIAL IS BORON TRIFLUORIDE DIETHYL ETHER. 47% BORON TRIFLUORIDE(165 LBS), 53% ETHYL ETHER(185 LBS) - 350 LBS TOTAL. MUCH OF SPILL WENT TO SEWER, THEY ESTIMATE GREATER THAN 100 LBS EHTYL ETHER REACHED SEWER BASED ON RECOVERY. NOTE: RECENT NAME CHANGE FROM ALLIED SIGNAL TO HONEYWELL. MJS SENT DISPOSAL RECIEPT LETTER TO RP. 01/07/00: MJS RECEIVED MAILED COPY OF SAME REPORT AS ABOVE. 01/31/00: MJS RECEIVED COPY OF HAZ-WASTE MANIFEST FOR DISPOSAL DOCUMENTATION. NO FURTHER ACTION

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

REQUIRED. MJS CLOSE FILE."
Remarks: "employee was filling drum and overfilled - product spilled on land and did enter sewer which flows to water treatment plant - ethyl ether other product involved 53% - 185 lbs spilled "

All Materials:
Site ID: 71525
Operable Unit ID: 1086694
Operable Unit: 01
Material ID: 300706
Material Code: 1005A
Material Name: boron trifluoride
Case No.: 07637072
Material FA: Hazardous Material
Quantity: 165.00
Units: L
Recovered: .00
Oxygenate: Not reported

Site ID: 71525
Operable Unit ID: 1086694
Operable Unit: 01
Material ID: 300705
Material Code: 0172B
Material Name: ethyl ether
Case No.: 00060297
Material FA: Hazardous Material
Quantity: 185.00
Units: L
Recovered: 85.00
Oxygenate: Not reported

Facility ID: 9913220
Facility Type: ER
Spill Number: 9913220
DER Facility ID: 67669
Site ID: 71526
DEC Region: 9
Closed Date: 2000-08-08
Spill Cause: Other
Spill Class: B4
SWIS: 1500
Spill Date: 2000-02-20
Investigator: BRENNAN
Referred To: Not reported
Reported to Dept: 2000-02-22
CID: 246
Water Affected: Not reported
Spill Source: Institutional, Educational, Gov., Other
Spill Notifier: Responsible Party
Cleanup Ceased: Not reported
Cleanup Meets Std: True
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 2000-02-22

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Spill Record Last Update:	2000-08-14
Spiller Name:	JAY HOESTERMANN
Spiller Company:	HONEYWELL
Spiller Address:	20 PEABODY STREET
Spiller Company:	001
Contact Name:	JAY HOSTERMANN
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was KAB 06/13/00: KAB DISCOVERED UNASSIGNED SPILL DURING MISSING INSPECTOR SEARCH. THIS WAS AN AFTER-HOURS SPILL AND, AFTER SPEAKING TO RESPONDERS ON CALL AT THE TIME, IT DOES NOT APPEAR THAT ANYONE WAS CONTACTED BY DUTY OFFICER TO RESPOND. NO ACTION POSSIBLE AT THIS LATE DATE. CLOSE OUT. 08/04/00: RNL FILE REVIEW, LITTLE INFORMATION, REFERRED TO PJB FOR HIS INPUT SINCE AFTERHOURS SPILL 08/08/00: RNL RECEIVED MEMO FORM PJB, HE STATED OK TO CLOSEOUT"
Remarks:	"UNK CHEMICAL REACTION CAUSED BULGING OF DRUM AND BOTTOM BROKE OPEN. MATERIAL ENTER SEWER. SOME MATERIAL HAS BEEN ABSORBED WITH SPEEDY DRY AND REMAINDER OF MATERIAL IN DRUM TRANSFERRED TO ANOTHER CONTAINER. PLANT IS INVESTIGATING CAUSE."

All Materials:

Site ID:	71526
Operable Unit ID:	1087744
Operable Unit:	01
Material ID:	295079
Material Code:	0033B
Material Name:	dichloromethane
Case No.:	00075092
Material FA:	Hazardous Material
Quantity:	300.00
Units:	L
Recovered:	.00
Oxygenate:	Not reported

Facility ID:	0612724
Facility Type:	ER
Spill Number:	0612724
DER Facility ID:	56164
Site ID:	377641
DEC Region:	9
Closed Date:	2007-02-23
Spill Cause:	Equipment Failure
Spill Class:	D5
SWIS:	1502
Spill Date:	2007-02-23
Investigator:	jfotto
Referred To:	DIV OF WATER
Reported to Dept:	2007-02-23
CID:	410
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Local Agency
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Date Entered In Computer:	2007-02-23
Spill Record Last Update:	2007-03-05
Spiller Name:	LANA DOLE
Spiller Company:	HONEYWELL BUFFALO RESEARC
Spiller Address:	20 PEABODY STREET
Spiller Company:	001
Contact Name:	LANA DOLE
DEC Memo:	"02/23/07 JFO TELCON WITH CALLER LANA DOLE. REFRIGERANT 11 WAS RELEASED TO THE SANITARY SEWER. BSA HAS BEEN NOTIFIED. AMOUNT SPILLED IS BETWEEN 1 POUND AND 200 POUNDS. THEY WONT KNOW THE AMOUNT UNTIL SAMPLING IS COMPLETED MONDAY. DKK REFERRED THE SPILL TO THE DIV OF WATER. NO ACTION NECESSARY BY SPILLS. CLOSED THERE IS NO PAPER FILE FOR THIS SPILL 3/2/07 AES T/C LANA DOLE. THEY DETERMINED THAT THE AMOUNT SPILLED WAS 0.6 POUNDS."
Remarks:	"POTENTIAL RELEASE, DETAILS UNKNOWN AT THIS TIME, RELEASE WAS TO BUFFALO SEWER AUTHORITY: DUE TO CONDENSER TUBE FAILURE: MATERIAL NAME IS TRICHLOROMONOFLUROMETHANE: CAS # 75-69-4"

All Materials:

Site ID:	377641
Operable Unit ID:	1135165
Operable Unit:	01
Material ID:	2125055
Material Code:	1581A
Material Name:	refrigerant
Case No.:	Not reported
Material FA:	Other
Quantity:	.60
Units:	L
Recovered:	.00
Oxygenate:	Not reported

Facility ID:	0708369
Facility Type:	ER
Spill Number:	0708369
DER Facility ID:	54604
Site ID:	389251
DEC Region:	9
Closed Date:	2007-10-31
Spill Cause:	Equipment Failure
Spill Class:	D5
SWIS:	1502
Spill Date:	2007-10-31
Investigator:	sacaland
Referred To:	DEC - DIVISION OF AIR
Reported to Dept:	2007-10-31
CID:	404
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	Not reported
Remediation Phase:	0
Date Entered In Computer:	2007-10-31

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Spill Record Last Update:	2007-10-31
Spiller Name:	LANA DOLE
Spiller Company:	HONEYWELL BUFFALO RESEARCH
Spiller Address:	20 PEABODY STREET
Spiller Company:	001
Contact Name:	LANA DOLE
DEC Memo:	"10/31/07:SAC GAVE COPY OF REPORT TO LARRY SITZMAN - DIV. OF AIR. MATERIAL RELEASED IS FREON (R-12). NO FURTHER ACTION REQUIRED. COMPUTER FILE ONLY. NO PAPER FILE."
Remarks:	"6 and 1/2 pounds over a 24 hour period; calling it in as a curtesy call; the leaking has been stopped; not sure of the period of time it released"

All Materials:

Site ID:	389251
Operable Unit ID:	1146395
Operable Unit:	01
Material ID:	2136766
Material Code:	1350A
Material Name:	chlorodifluoromethane
Case No.:	00075456
Material FA:	Hazardous Material
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Facility ID:	0175508
Facility Type:	ER
Spill Number:	0175508
DER Facility ID:	248872
Site ID:	308163
DEC Region:	9
Closed Date:	2002-02-22
Spill Cause:	Unknown
Spill Class:	E5
SWIS:	1502
Spill Date:	2002-02-22
Investigator:	BRENNAN
Referred To:	Not reported
Reported to Dept:	2002-02-22
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Citizen
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2002-02-22
Spill Record Last Update:	2002-02-26
Spiller Name:	JAY HOESTERMANN
Spiller Company:	HONEYWELL
Spiller Address:	20 PEABODY STREET
Spiller Company:	001

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was KAB 02/22/02: KAB RECEIVED COMPLAINT OF AIR RELEASE AT HONEYWELL. ADVISED COMPLAINANT THAT I WOULD REFER THE COMPLAINT TO THE DIVISION OF AIR RESOURCES FOR FOLLOW-UP. HAND-DELIVERED COPY OF SPILL REPORT TO LARRY SITZMAN, DIVISION OF AIR RESOURCES, AND REQUESTED FOLLOW-UP. NO FURTHER ACTION BY SPILLS POSSIBLE. CLOSE OUT. ******NO PAPER FILE EXISTS FOR THIS SPILL*****"
Remarks:	"COMPLAINANT ALLEGES THAT HONEYWELL HAS RELEASES OF BORON TRIFLUORIDE ON A FAIRLY REGULAR BASIS AND THAT IT IS IRRITATING TO THE EYES OF THE LOCAL RESIDENTS. WHEN A COMPLAINT IS LODGED WITH HONEYWELL, THEY CLAIM THAT AMOUNT RELEASED IS BELOW REPORTABLE QUANTITIES AND IS OF NO SIGNIFICANCE. CITIZEN CLAIMS THAT RELEASES ARE OF SIGNIFICANCE TO AREA RESIDENTS."

All Materials:

Site ID:	308163
Operable Unit ID:	853285
Operable Unit:	01
Material ID:	524842
Material Code:	1005A
Material Name:	boron trifluoride
Case No.:	07637072
Material FA:	Hazardous Material
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

US FIN ASSUR:

EPA ID:	NYD000632315
County:	Not reported
Mechanism type:	X
Mechanism Type Description:	STANDBY TRUST FUND
Cost estimate:	366662
Face value:	0
Effective date:	2007-04-20 00:00:00
Provider:	DEUTSCHE BANK TRUST COMPANY AMERICAS
EPA region:	2

EPA ID:	NYD000632315
County:	Not reported
Mechanism type:	L
Mechanism Type Description:	LETTER OF CREDIT
Cost estimate:	366662
Face value:	366662
Effective date:	2016-04-21 00:00:00
Provider:	BAYERISCHE HYPRO-UND VEREINSBANK AG, NEW YORK
EPA region:	2

EPA ID:	NYD000632315
County:	Not reported
Mechanism type:	L
Mechanism Type Description:	LETTER OF CREDIT
Cost estimate:	11000000
Face value:	11000000

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Effective date: 2008-03-31 00:00:00
Provider: INTESA SANPAOLO S.P.A.
EPA region: 2

EPA ID: NYD000632315
County: Not reported
Mechanism type: L
Mechanism Type Description: LETTER OF CREDIT
Cost estimate: 335874
Face value: 335874
Effective date: 2010-04-26 00:00:00
Provider: BAYERISCHE HYPRO-UND VEREINSBANK AG, NEW YORK
EPA region: 2

EPA ID: NYD000632315
County: Not reported
Mechanism type: L
Mechanism Type Description: LETTER OF CREDIT
Cost estimate: 363032
Face value: 363032
Effective date: 2015-03-30 00:00:00
Provider: BAYERISCHE HYPRO-UND VEREINSBANK AG, NEW YORK
EPA region: 2

EPA ID: NYD000632315
County: Not reported
Mechanism type: L
Mechanism Type Description: LETTER OF CREDIT
Cost estimate: 357808
Face value: 357808
Effective date: 2014-04-24 00:00:00
Provider: BAYERISCHE HYPRO-UND VEREINSBANK AG, NEW YORK
EPA region: 2

EPA ID: NYD000632315
County: Not reported
Mechanism type: L
Mechanism Type Description: LETTER OF CREDIT
Cost estimate: 339098
Face value: 339098
Effective date: 2011-04-22 00:00:00
Provider: BAYERISCHE HYPRO-UND VEREINSBANK AG, NEW YORK
EPA region: 2

EPA ID: NYD000632315
County: Not reported
Mechanism type: L
Mechanism Type Description: LETTER OF CREDIT
Cost estimate: 346321
Face value: 346321
Effective date: 2012-05-14 00:00:00
Provider: BAYERISCHE HYPRO-UND VEREINSBANK AG, NEW YORK
EPA region: 2

EPA ID: NYD000632315
County: Not reported
Mechanism type: L

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Mechanism Type Description: LETTER OF CREDIT
Cost estimate: 352486
Face value: 352486
Effective date: 2013-04-15 00:00:00
Provider: BAYERISCHE HYPRO-UND VEREINSBANK AG, NEW YORK
EPA region: 2

2020 COR ACTION:
EPA ID: NYD000632315
Region: 2
Action: Remedy Constructed

ICIS:
Enforcement Action ID: HQ-2011-8004
FRS ID: 110000326969
Action Name: Honeywell International Inc.
Facility Name: HONEYWELL BUFFALO RESEARCH LAB
Facility Address: 20 PEABODY ST
BUFFALO, NY 14210
Enforcement Action Type: EPCRA 325 Action For Penalty
Facility County: ERIE
Program System Acronym: TRIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 325
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.867993
Longitude in Decimal Degrees: -78.840186
Permit Type Desc: Not reported
Program System Acronym: 14210LLDSG20PEA
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

US AIRS (AFS):
Envid: 1000248676
Region Code: 02
County Code: NY029
Programmatic ID: AIR NY0000009140200016
Facility Registry ID: 110000326969
D and B Number: Not reported
Facility Site Name: HONEYWELL BUFFALO RESEARCH LAB
Primary SIC Code: 2869
NAICS Code: 325120
Default Air Classification Code: SMI
Facility Type of Ownership Code: POF
Air CMS Category Code: Not reported
HPV Status: Not reported

US AIRS (AFS):
Region Code: 02
Programmatic ID: AIR NY0000009140200016
Facility Registry ID: 110000326969
Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Activity Date:	1982-06-10 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	02
Programmatic ID:	AIR NY0000009140200016
Facility Registry ID:	110000326969
Air Operating Status Code:	OPR
Default Air Classification Code:	SMI
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1983-07-21 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	02
Programmatic ID:	AIR NY0000009140200016
Facility Registry ID:	110000326969
Air Operating Status Code:	OPR
Default Air Classification Code:	SMI
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1984-09-18 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	02
Programmatic ID:	AIR NY0000009140200016
Facility Registry ID:	110000326969
Air Operating Status Code:	OPR
Default Air Classification Code:	SMI
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1985-09-19 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	02
Programmatic ID:	AIR NY0000009140200016
Facility Registry ID:	110000326969
Air Operating Status Code:	OPR
Default Air Classification Code:	SMI
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	1986-09-18 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	02
Programmatic ID:	AIR NY0000009140200016
Facility Registry ID:	110000326969

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Air Operating Status Code: OPR
Default Air Classification Code: SMI
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1989-05-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

FINDS:

Registry ID: 110000326969

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

TSCA SUBMITTER

AIR SYNTHETIC MINOR

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS WASTE BIENNIAL REPORTER

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

GREENHOUSE GAS REPORTER

US EPA Risk Management Plan (RMP) database stores the risk management plans reported by companies that handle, manufacture, use, or store certain flammable or toxic substances, as required under section 112(r) of the Clean Air Act (CAA).

SSTS (Section Seven Tracking System) evolved from the FIFRA and TSCA Enforcement System (FATES). SSTS tracks the registration of all pesticide-producing establishments and tracks annually the types and amounts of pesticides, active ingredients, and related devices that are produced, sold, or distributed each year.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000248676
Registry ID:	110000326969
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110000326969

NY Financial Assurance 2:

Region:	2
EPA Id Number:	NYD000632315
Company Name:	Honeywell International, Inc.
Closure Cost:	Not reported
Post-Closure Cost:	Not reported
Correction Action Cost:	371,465
Facility Instrument:	LC, STA - CA
Total C, PC, and/or CA cost estimate:	371,465

NY MANIFEST:

Country:	USA
EPA ID:	NY0000632315
Facility Status:	Not reported
Location Address 1:	20 PEABODY STREET
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BUFFALO
Location State:	NY
Location Zip:	14210
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NY0000632315
Mailing Name:	HONEYWELL INTERNATIONAL INC
Mailing Contact:	ROBERT PENDRYS

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Mailing Address 1:	20 PEABODY STREET
Mailing Address 2:	Not reported
Mailing City:	BUFFALO
Mailing State:	NY
Mailing Zip:	14210
Mailing Zip 4:	Not reported
Mailing Country:	USA
Mailing Phone:	7168276249

Country:	USA
EPA ID:	NYD000632315
Facility Status:	Not reported
Location Address 1:	20 PEABODY STREET
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BUFFALO
Location State:	NY
Location Zip:	14210
Location Zip 4:	Not reported

NY MANIFEST:

EPAID:	NYD000632315
Mailing Name:	HONEYWELL INC
Mailing Contact:	TEWKSBURY FLOYD SUPERVISO
Mailing Address 1:	20 PEABODY ST
Mailing Address 2:	Not reported
Mailing City:	BUFFALO
Mailing State:	NY
Mailing Zip:	14210
Mailing Zip 4:	1599
Mailing Country:	USA
Mailing Phone:	7168276249

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2018
Trans1 State ID:	NYD982792814
Trans2 State ID:	Not reported
Generator Ship Date:	02/26/2018
Trans1 Recv Date:	02/26/2018
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	02/27/2018
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD000632315
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	NJD002454544
TSDF ID 2:	Not reported
Manifest Tracking Number:	001024654VES
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H061
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	2537
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	1
Container Type:	TT - Cargo tank, tank trucks
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	1
Waste Code:	D002
Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	D007
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

Click this hyperlink while viewing on your computer to access
360 additional NY_MANIFEST: record(s) in the EDR Site Report.

NJ MANIFEST:

EPA Id:	NYD000632315
Mail Address:	20 PEABODY ST
Mail City/State/Zip:	BUFFALO 14210
Facility Phone:	Not reported
Emergency Phone:	Not reported
Contact:	Not reported
Comments:	Not reported
SIC Code:	Not reported
County:	00
Municipal:	00
Previous EPA Id:	Not reported
Gen Flag:	X
Trans Flag:	Not reported
TSDF Flag:	X
Name Change:	Not reported
Date Change:	Not reported

Manifest:

Manifest Number:	000570765VES
EPA ID:	NYD000632315
Date Shipped:	11/22/2011
TSDF EPA ID:	NJD002454544
Transporter EPA ID:	NYD046765574
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	F003
Hand Code:	H141
Quantity:	45.00 Pounds
Manifest Year:	Not reported
Waste Code:	D007
Hand Code:	H061
Quantity:	50.00 Pounds
Manifest Year:	Not reported
Waste Code:	D001
Hand Code:	H061
Quantity:	80.00 Pounds
Manifest Year:	Not reported
Waste Code:	D002
Hand Code:	H061
Quantity:	11,550.00 Pounds
Manifest Year:	Not reported
Waste Code:	F001
Hand Code:	H061

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Quantity:	125.00 Pounds
Manifest Year:	Not reported
Waste Code:	D002
Hand Code:	H141
Quantity:	290.00 Pounds
Manifest Year:	Not reported
Waste Code:	F003
Hand Code:	H061
Quantity:	410.00 Pounds
Manifest Year:	Not reported
Waste Code:	F001
Hand Code:	H061
Quantity:	125.00 Pounds
Manifest Number:	000571419VES
EPA ID:	NYD000632315
Date Shipped:	8/9/2012
TSDF EPA ID:	NJD002454544
Transporter EPA ID:	NYD982792814
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	BUFFALO 14210

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Reason Load Was Rejected: Not reported

Waste:

Manifest Year: Not reported
Waste Code: F001 D001 F003 D019
Hand Code: Not reported
Quantity: 90.00 Pounds

Manifest Year: Not reported
Waste Code: F002 D001 F003
Hand Code: Not reported
Quantity: 45.00 Pounds

Manifest Year: Not reported
Waste Code: F001 F003 D019 F002 F005
Hand Code: Not reported
Quantity: 125.00 Pounds

Manifest Year: Not reported
Waste Code: D007
Hand Code: Not reported
Quantity: 65.00 Pounds

Manifest Year: Not reported
Waste Code: D007
Hand Code: Not reported
Quantity: 85.00 Pounds

Manifest Year: Not reported
Waste Code: D002
Hand Code: Not reported
Quantity: 7,875.00 Pounds

Manifest Number: NJA3091624
EPA ID: NYD000632315
Date Shipped: 09/10/2004
TSDF EPA ID: NJD002454544
Transporter EPA ID: NYD982792814
Transporter 2 EPA ID: Not reported
Transporter 3 EPA ID: Not reported
Transporter 4 EPA ID: Not reported
Transporter 5 EPA ID: Not reported
Transporter 6 EPA ID: Not reported
Transporter 7 EPA ID: Not reported
Transporter 8 EPA ID: Not reported
Transporter 9 EPA ID: Not reported
Transporter 10 EPA ID: Not reported
Date Trans1 Transported Waste: 09/10/2004
Date Trans2 Transported Waste: Not reported
Date Trans3 Transported Waste: Not reported
Date Trans4 Transported Waste: Not reported
Date Trans5 Transported Waste: Not reported
Date Trans6 Transported Waste: Not reported
Date Trans7 Transported Waste: Not reported
Date Trans8 Transported Waste: Not reported
Date Trans9 Transported Waste: Not reported
Date Trans10 Transported Waste: Not reported

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Date TSDF Received Waste:	09/13/2004
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	09280421
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Manifest Number:	000473943VES
EPA ID:	NYD000632315
Date Shipped:	3/14/2011
TSDF EPA ID:	NJD002454544
Transporter EPA ID:	NYD046765574
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Waste:

Manifest Year:	Not reported
Waste Code:	D002
Hand Code:	H061
Quantity:	36,306.00 Pounds

Manifest Year:	Not reported
Waste Code:	F001
Hand Code:	H061
Quantity:	85.00 Pounds

Manifest Number:	000369102VES
EPA ID:	NYD000632315
Date Shipped:	06/19/2009
TSDF EPA ID:	NJD002454544
Transporter EPA ID:	NJD080631369
Transporter 2 EPA ID:	NJD054126164
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	06/19/2009
Date Trans2 Transported Waste:	06/25/2009
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	06/30/2009
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D002
Hand Code:	H061

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Quantity:	13098 P
Manifest Number:	000369421VES
EPA ID:	NYD000632315
Date Shipped:	10/22/2009
TSDF EPA ID:	NJD002454544
Transporter EPA ID:	NJD080631369
Transporter 2 EPA ID:	NJD054126164
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	10/22/2009
Date Trans2 Transported Waste:	11/03/2009
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	11/04/2009
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	F003
Hand Code:	H061
Quantity:	35 P
Manifest Year:	Not reported
Waste Code:	D002
Hand Code:	H061
Quantity:	15680 P
Manifest Number:	NJA3091673
EPA ID:	NYD000632315

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Date Shipped:	06/30/2005
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	NJD080631369
Transporter 2 EPA ID:	NJD054126164
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	06/30/2005
Date Trans2 Transported Waste:	07/07/2005
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	07/08/2005
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	08080521
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Manifest Number:	000250340VES
EPA ID:	NYD000632315
Date Shipped:	07/30/2010
TSDF EPA ID:	NJD002454544
Transporter EPA ID:	NYD046765574
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	07/30/2010
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	08/02/2010
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D007
Hand Code:	H061
Quantity:	85 P

Manifest Number:	000672899VES
EPA ID:	NYD000632315
Date Shipped:	12/17/2012
TSDF EPA ID:	NJD002454544
Transporter EPA ID:	NJD080631369
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	F003 D001
Hand Code:	Not reported
Quantity:	40.00 Pounds
Manifest Year:	Not reported
Waste Code:	F003 D001
Hand Code:	Not reported
Quantity:	52.00 Pounds
Manifest Year:	Not reported
Waste Code:	D002
Hand Code:	Not reported
Quantity:	2,900.00 Pounds
Manifest Year:	Not reported
Waste Code:	F001 D001 D019 F003 D002
Hand Code:	Not reported
Quantity:	45.00 Pounds
Manifest Year:	Not reported
Waste Code:	F002 F005 D038 F003 D001
Hand Code:	Not reported
Quantity:	40.00 Pounds

Manifest Number:	NJA3091625
EPA ID:	NYD000632315
Date Shipped:	10/01/2004
TSDF EPA ID:	NJD002454544
Transporter EPA ID:	NJD080631369
Transporter 2 EPA ID:	NJD080631369
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	10/01/2004
Date Trans2 Transported Waste:	10/11/2004
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	10/11/2004
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	11030421
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Manifest Number:	000473632VES
EPA ID:	NYD000632315
Date Shipped:	03/05/2010
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	NJD080631369
Transporter 2 EPA ID:	NJD054126164
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	03/05/2010
Date Trans2 Transported Waste:	03/11/2010
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	03/11/2010
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D001
Hand Code:	H141
Quantity:	10 P

Manifest Number:	000473930VES
EPA ID:	NYD000632315
Date Shipped:	7/18/2011
TSDF EPA ID:	NJD002454544
Transporter EPA ID:	NYD980769947
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D002

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Hand Code:	H061
Quantity:	4,047.00 gallons
Manifest Number:	000473924VES
EPA ID:	NYD000632315
Date Shipped:	6/2/2011
TSDF EPA ID:	NJD002454544
Transporter EPA ID:	NJD080631369
Transporter 2 EPA ID:	NJD054126164
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	F003
Hand Code:	H061
Quantity:	50.00 Pounds
Manifest Year:	Not reported
Waste Code:	F003
Hand Code:	H061
Quantity:	275.00 Pounds
Manifest Year:	Not reported
Waste Code:	F003

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Hand Code:	H061
Quantity:	1,200.00 Pounds
Manifest Year:	Not reported
Waste Code:	F001
Hand Code:	H061
Quantity:	700.00 Pounds
Manifest Year:	Not reported
Waste Code:	F002
Hand Code:	H061
Quantity:	450.00 Pounds
Manifest Number:	000571201VES
EPA ID:	NYD000632315
Date Shipped:	2/22/2012
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	NJD080631369
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D001 D035

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Hand Code:	Not reported
Quantity:	30.00 Pounds
Manifest Number:	001018102VES
EPA ID:	NYD000632315
Date Shipped:	2/2/2016
TSDF EPA ID:	NJD002454544
Transporter EPA ID:	NJD080631369
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
Generator EPA Facility Name:	ALLIED CORP
Transporter-1 EPA Facility Name:	VEOLIA ES TECHNICAL SOLUTIONS CORP
TSDF EPA Facility Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
QTY Units:	Pounds
Transporter SEQ ID:	Not reported
Transporter-1 Date:	2/2/2016
Waste SEQ ID:	3
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	2/9/2016
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported
Manifest Number:	001018109VES
EPA ID:	NYD000632315
Date Shipped:	2/24/2016
TSDF EPA ID:	NJD002454544
Transporter EPA ID:	NJD080631369
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
Generator EPA Facility Name:	ALLIED CORP
Transporter-1 EPA Facility Name:	VEOLIA ES TECHNICAL SOLUTIONS CORP
TSDF EPA Facility Name:	VEOLIA ES TECHNICAL SOLUTIONS LLC
QTY Units:	Pounds
Transporter SEQ ID:	Not reported
Transporter-1 Date:	2/24/2016
Waste SEQ ID:	3
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	3/1/2016
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Manifest Number:	000623708VES
EPA ID:	NYD000632315
Date Shipped:	9/12/2012
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	NYD982792814
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D001
Hand Code:	Not reported
Quantity:	709.00 Pounds

Manifest Number:	000571223VES
EPA ID:	NYD000632315
Date Shipped:	4/18/2012
TSDF EPA ID:	NJD002454544
Transporter EPA ID:	NYD982792814
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D002
Hand Code:	Not reported
Quantity:	4,300.00 gallons

Manifest Number:	000571417VES
EPA ID:	NYD000632315
Date Shipped:	4/27/2012
TSDF EPA ID:	NJD002454544
Transporter EPA ID:	NJD080631369
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	F002 D001 F003 D002

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Hand Code:	Not reported
Quantity:	1,000.00 Pounds
Manifest Year:	Not reported
Waste Code:	D007
Hand Code:	Not reported
Quantity:	50.00 Pounds
Manifest Year:	Not reported
Waste Code:	D002
Hand Code:	Not reported
Quantity:	45.00 Pounds
Manifest Year:	Not reported
Waste Code:	D002
Hand Code:	Not reported
Quantity:	4,200.00 Pounds
Manifest Number:	000570569VES
EPA ID:	NYD000632315
Date Shipped:	10/14/2011
TSDF EPA ID:	NJD002454544
Transporter EPA ID:	NYD982792814
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Was Load Rejected: BUFFALO 14210
Reason Load Was Rejected: Not reported

Waste:
Manifest Year: Not reported
Waste Code: D002
Hand Code: H061
Quantity: 3,600.00 gallons

WI MANIFEST:
Year: 2008
EPA ID: NYD000632315
FID: Not reported
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: Not reported
Contact Telephone: Not reported
Contact EMail Address: Not reported

Year: 2007
EPA ID: NYD000632315
FID: 0
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: 0
Contact Telephone: 0
Contact EMail Address: Not reported

Year: 2006
EPA ID: NYD000632315
FID: 0
ACT Code: 201
ACT Status: A
ACT Code 1: 201
ACT Name: HW Generator - Large
Contact Title: Not reported
Contact Name: Not reported
Contact Address: Not reported
Contact City/State/Zip: Not reported
Contact Telephone: Not reported
Contact EMail Address: Not reported

HONEYWELL BUFFALO RESEARCH LABORATORY (Continued) **1000248676**

Year:	2005
EPA ID:	NYD000632315
FID:	0
ACT Code:	201
ACT Status:	A
ACT Code 1:	201
ACT Name:	HW Generator - Large
Contact Title:	Not reported
Contact Name:	Not reported
Contact Address:	Not reported
Contact City/State/Zip:	0
Contact Telephone:	0
Contact EMail Address:	Not reported

P75 **BERN METALS** **SEMS** **1000305569**
ENE **22 BENDER STREET** **NY SHWS** **NYD013703632**
1/2-1 **BUFFALO, NY 14201** **NY ENG CONTROLS**
0.843 mi. **NY INST CONTROL**
4449 ft. **Site 1 of 2 in cluster P** **PRP**

Relative: Higher

Actual: 590 ft.

SEMS:

Site ID:	202697
EPA ID:	NYD013703632
Cong District:	30
FIPS Code:	36029
Latitude:	Not reported
Longitude:	Not reported
FF:	N
NPL:	Not on the NPL
Non NPL Status:	Referred to Removal - NFRAP

SEMS Detail:

Region:	2
Site ID:	202697
EPA ID:	NYD013703632
Site Name:	BERN METALS
NPL:	N
FF:	N
OU:	0
Action Code:	SI
Action Name:	SI
SEQ:	1
Start Date:	1989-06-30 00:00:00
Finish Date:	9/27/1989
Qual:	N
Current Action Lead:	EPA Perf

Region:	2
Site ID:	202697
EPA ID:	NYD013703632
Site Name:	BERN METALS
NPL:	N
FF:	N
OU:	0
Action Code:	RV
Action Name:	RMVL
SEQ:	2

BERN METALS (Continued) **1000305569**

Start Date: 1989-01-09 00:00:00
Finish Date: 3/15/1989
Qual: S
Current Action Lead: EPA Perf

Region: 2
Site ID: 202697
EPA ID: NYD013703632
Site Name: BERN METALS
NPL: N
FF: N
OU: 0
Action Code: RV
Action Name: RMVL
SEQ: 1
Start Date: 1988-04-21 00:00:00
Finish Date: 7/8/1988
Qual: S
Current Action Lead: EPA Perf

Region: 2
Site ID: 202697
EPA ID: NYD013703632
Site Name: BERN METALS
NPL: N
FF: N
OU: 0
Action Code: RV
Action Name: RMVL
SEQ: 6
Start Date: 1991-10-15 00:00:00
Finish Date: 1/8/1992
Qual: S
Current Action Lead: EPA Perf

Region: 2
Site ID: 202697
EPA ID: NYD013703632
Site Name: BERN METALS
NPL: N
FF: N
OU: 0
Action Code: RV
Action Name: RMVL
SEQ: 4
Start Date: 1990-09-28 00:00:00
Finish Date: 10/23/1990
Qual: S
Current Action Lead: EPA Perf

Region: 2
Site ID: 202697
EPA ID: NYD013703632
Site Name: BERN METALS
NPL: N
FF: N
OU: 0

BERN METALS (Continued) **1000305569**

Action Code:	RV
Action Name:	RMVL
SEQ:	5
Start Date:	1990-11-26 00:00:00
Finish Date:	8/22/1991
Qual:	S
Current Action Lead:	EPA Perf
Region:	2
Site ID:	202697
EPA ID:	NYD013703632
Site Name:	BERN METALS
NPL:	N
FF:	N
OU:	0
Action Code:	RV
Action Name:	RMVL
SEQ:	3
Start Date:	1990-06-27 00:00:00
Finish Date:	6/29/1990
Qual:	S
Current Action Lead:	EPA Perf
Region:	2
Site ID:	202697
EPA ID:	NYD013703632
Site Name:	BERN METALS
NPL:	N
FF:	N
OU:	0
Action Code:	AR
Action Name:	ADMIN REC
SEQ:	1
Start Date:	1991-01-31 00:00:00
Finish Date:	Not reported
Qual:	V
Current Action Lead:	EPA Perf
Region:	2
Site ID:	202697
EPA ID:	NYD013703632
Site Name:	BERN METALS
NPL:	N
FF:	N
OU:	0
Action Code:	BB
Action Name:	PRP RV
SEQ:	1
Start Date:	1992-09-29 00:00:00
Finish Date:	3/11/1994
Qual:	S
Current Action Lead:	EPA Ovrsght
Region:	2
Site ID:	202697
EPA ID:	NYD013703632
Site Name:	BERN METALS

BERN METALS (Continued) **1000305569**

NPL:	N
FF:	N
OU:	0
Action Code:	DS
Action Name:	DISCVRY
SEQ:	1
Start Date:	1989-06-30 00:00:00
Finish Date:	6/30/1989
Qual:	Not reported
Current Action Lead:	St Perf
Region:	2
Site ID:	202697
EPA ID:	NYD013703632
Site Name:	BERN METALS
NPL:	N
FF:	N
OU:	0
Action Code:	PA
Action Name:	PA
SEQ:	1
Start Date:	Not reported
Finish Date:	2/28/1990
Qual:	N
Current Action Lead:	St Perf

SHWS:

Program:	HW
Site Code:	58664
Classification:	4
Region:	9
Acres:	3.7
HW Code:	915135
Record Add:	11/18/1999
Record Upd:	07/31/2017
Updated By:	CRSTANIS

Site Description: Location: The Bern Metal Corp. Site is located at 22 Bender Street (south, off of Clinton Street) in the City of Buffalo, Erie County. Site Features: The site consists of a large, capped landfill which is surrounded by chain link fence. Residential and commercial properties are located to the north and east of the site, while a railroad track is along the site's southwest side. Past Use of the Site: The site previously consisted of two properties known as: Bern Metals (~3.7 acres) and Universal Metals (~1.5 acres). The site was an abandoned scrap reprocessor. Based upon complaints from citizens, DEC conducted a Phase I Investigation in 1987. Approximately two hundred 55 gallon drums were found on the Bern Metals property, along with other wastes including: metal turnings, waste chemicals, sludges, battery cases, spilled battery acids. Subsequently, 25 leaking transformers containing PCBs were found on the Universal Metals property. In 1990 USEPA conducted an emergency removal at the site. Drums, gas cylinders and transformers, were removed from the site. Under order by USEPA in 1994, a group of potentially responsible parties (PRPs) remediated neighboring residential properties and erected a fence around the contaminated site. The PRPs conducted a Remedial Investigation and Feasibility Study (RI/FS)of the site during the

BERN METALS (Continued) **1000305569**

period 1993-1995. The Record of Decision (ROD) was signed in 1996 which required the contaminated soils be consolidated and properly capped. Under a separate New York State consent order, the PRPs consolidated and capped the waste onto the property known as Bern Metals (approximate acreage of 3.7 acres), completing the project in 2002. The long-term Operation, Maintenance and Monitoring Plan is in effect and is being implemented by the City of Buffalo. The Universal Metals property has been remediated as required by the ROD.

Env Problem:	Nature and Extent of Contamination: Remediation at the site is complete and the wastes are contained. The environmental impacts have been mitigated and environmental threats have been removed. The site is being monitored and maintained under a long term Operation and Maintenance Plan by the City of Buffalo.
Health Problem:	This site is located in a mixed industrial/residential area in the City of Buffalo that is served by public water. There are no known private wells in the immediate area. Therefore, human exposures to site-related contaminants via drinking water are not expected. Elevated levels of lead, up to 176,000 milligrams per kilogram, were present on-site in subsurface soils. These soils have been consolidated and capped on the site. NYSDOH coordinated blood lead testing of nearby residents in 1991 and no elevated blood lead levels attributable to the site were found. The USEPA replaced nearby residential yard soils with clean soil in 1992 and 1993. Along with the consolidation and capping of site soils, institutional controls and fencing are in place to protect public health.
Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	1956
Disp Term:	1983
Lat/Long:	42:52:36:0 / 78:50:16:0
Dell:	False
Record Add:	1999-11-18 12:00:00
Record Upd:	1999-11-18 12:00:00
Updated By:	INITIAL
Own Op:	Disp. Owner
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	BERN METAL CORP./UNIVERSAL IRON & ME
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	ZZ
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	E
Owner Name:	Not reported
Owner Company:	BERN METAL CORP./UNIVERSAL IRON & ME
Owner Address:	100 CLAREMONT AVE.
Owner Addr2:	Not reported
Owner City,St,Zip:	KENMORE, NY 14223
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	O.ROBERT KOLSKY

BERN METALS (Continued) **1000305569**

Owner Address:	56 TRISTAN LANE
Owner Addr2:	Not reported
Owner City,St,Zip:	WILLIAMSVILLE, NY 14221
Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	Bern Metal Corp./Universal Iron & Metal
Owner Address:	22 Bender Street/993 Clinton Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14206
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	NNN
Owner Name:	Gerald Arwitz
Owner Company:	Estate of Bernard Arwitz
Owner Address:	100 Claremont Avenue
Owner Addr2:	Not reported
Owner City,St,Zip:	Kenmore, NY 14223
Owner Country:	United States of America
HW Code:	915135
Waste Type:	BATTERY ACIDS
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	915135
Waste Type:	LEAD
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	915135
Waste Type:	CHROMIUM LEATHER FINES
Waste Quantity:	"
Waste Code:	Not reported
HW Code:	915135
Waste Type:	METAL SLUDGES
Waste Quantity:	"
Waste Code:	Not reported
HW Code:	915135
Waste Type:	PCB OIL
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	915135
Waste Type:	PCB SOIL
Waste Quantity:	30 TONS
Waste Code:	Not reported
HW Code:	915135
Waste Type:	GAS CYLINDERS
Waste Quantity:	16
Waste Code:	Not reported
Crossref ID:	NYD013703632
Cross Ref Type Code:	05
Cross Ref Type:	EPA Site ID
Record Added Date:	1999-11-18 12:00:00
Record Updated:	2001-05-10 16:31:00
Updated By:	REGTRANS

ENG CONTROLS:

Site Code:	58664

BERN METALS (Continued) **1000305569**

HW Code:	915135
Control Code:	22
Control Type:	ENG
Date Record Added:	10/29/2010
Date Rec Updated:	06/26/2017
Updated By:	TLRIDNER
Site Description:	Location: The Bern Metal Corp. Site is located at 22 Bender Street (south, off of Clinton Street) in the City of Buffalo, Erie County. Site Features: The site consists of a large, capped landfill which is surrounded by chain link fence. Residential and commercial properties are located to the north and east of the site, while a railroad track is along the site's southwest side. Past Use of the Site: The site previously consisted of two properties known as: Bern Metals (~3.7 acres) and Universal Metals (~1.5 acres). The site was an abandoned scrap reprocessor. Based upon complaints from citizens, DEC conducted a Phase I Investigation in 1987. Approximately two hundred 55 gallon drums were found on the Bern Metals property, along with other wastes including: metal turnings, waste chemicals, sludges, battery cases, spilled battery acids. Subsequently, 25 leaking transformers containing PCBs were found on the Universal Metals property. In 1990 USEPA conducted an emergency removal at the site. Drums, gas cylinders and transformers, were removed from the site. Under order by USEPA in 1994, a group of potentially responsible parties (PRPs) remediated neighboring residential properties and erected a fence around the contaminated site. The PRPs conducted a Remedial Investigation and Feasibility Study (RI/FS)of the site during the period 1993-1995. The Record of Decision (ROD) was signed in 1996 which required the contaminated soils be consolidated and properly capped. Under a separate New York State consent order, the PRPs consolidated and capped the waste onto the property known as Bern Metals (approximate acreage of 3.7 acres), completing the project in 2002. The long-term Operation, Maintenance and Monitoring Plan is in effect and is being implemented by the City of Buffalo. The Universal Metals property has been remediated as required by the ROD.
Env Problem:	Nature and Extent of Contamination: Remediation at the site is complete and the wastes are contained. The environmental impacts have been mitigated and environmental threats have been removed. The site is being monitored and maintained under a long term Operation and Maintenance Plan by the City of Buffalo.
Health Problem:	This site is located in a mixed industrial/residential area in the City of Buffalo that is served by public water. There are no known private wells in the immediate area. Therefore, human exposures to site-related contaminants via drinking water are not expected. Elevated levels of lead, up to 176,000 milligrams per kilogram, were present on-site in subsurface soils. These soils have been consolidated and capped on the site. NYSDOH coordinated blood lead testing of nearby residents in 1991 and no elevated blood lead levels attributable to the site were found. The USEPA replaced nearby residential yard soils with clean soil in 1992 and 1993. Along with the consolidation and capping of site soils, institutional controls and fencing are in place to protect public health.
Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	1956

BERN METALS (Continued) **1000305569**

Disp Term:	1983
Lat/Long:	42:52:36:0 / 78:50:16:0
Dell:	False
Record Add:	1999-11-18 12:00:00
Record Upd:	1999-11-18 12:00:00
Updated By:	INITIAL
Own Op:	Disp. Owner
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	BERN METAL CORP./UNIVERSAL IRON & ME
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	ZZ
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	E
Owner Name:	Not reported
Owner Company:	BERN METAL CORP./UNIVERSAL IRON & ME
Owner Address:	100 CLAREMONT AVE.
Owner Addr2:	Not reported
Owner City,St,Zip:	KENMORE, NY 14223
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	O.ROBERT KOLSKY
Owner Address:	56 TRISTAN LANE
Owner Addr2:	Not reported
Owner City,St,Zip:	WILLIAMSVILLE, NY 14221
Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	Bern Metal Corp./Universal Iron & Metal
Owner Address:	22 Bender Street/993 Clinton Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14206
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	NNN
Owner Name:	Gerald Arwitz
Owner Company:	Estate of Bernard Arwitz
Owner Address:	100 Claremont Avenue
Owner Addr2:	Not reported
Owner City,St,Zip:	Kenmore, NY 14223
Owner Country:	United States of America
HW Code:	915135
Waste Type:	BATTERY ACIDS
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	915135
Waste Type:	LEAD
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	915135
Waste Type:	CHROMIUM LEATHER FINES
Waste Quantity:	"

BERN METALS (Continued) **1000305569**

Waste Code:	Not reported
HW Code:	915135
Waste Type:	METAL SLUDGES
Waste Quantity:	"
Waste Code:	Not reported
HW Code:	915135
Waste Type:	PCB OIL
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	915135
Waste Type:	PCB SOIL
Waste Quantity:	30 TONS
Waste Code:	Not reported
HW Code:	915135
Waste Type:	GAS CYLINDERS
Waste Quantity:	16
Waste Code:	Not reported
Crossref ID:	NYD013703632
Cross Ref Type Code:	05
Cross Ref Type:	EPA Site ID
Record Added Date:	1999-11-18 12:00:00
Record Updated:	2001-05-10 16:31:00
Updated By:	REGTRANS

Site Code:	58664
HW Code:	915135
Control Code:	15
Control Type:	ENG
Date Record Added:	10/29/2010
Date Rec Updated:	06/26/2017
Updated By:	TLRIDNER
Site Description:	Location: The Bern Metal Corp. Site is located at 22 Bender Street (south, off of Clinton Street) in the City of Buffalo, Erie County. Site Features: The site consists of a large, capped landfill which is surrounded by chain link fence. Residential and commercial properties are located to the north and east of the site, while a railroad track is along the site's southwest side. Past Use of the Site: The site previously consisted of two properties known as: Bern Metals (~3.7 acres) and Universal Metals (~1.5 acres). The site was an abandoned scrap reprocessor. Based upon complaints from citizens, DEC conducted a Phase I Investigation in 1987. Approximately two hundred 55 gallon drums were found on the Bern Metals property, along with other wastes including: metal turnings, waste chemicals, sludges, battery cases, spilled battery acids. Subsequently, 25 leaking transformers containing PCBs were found on the Universal Metals property. In 1990 USEPA conducted an emergency removal at the site. Drums, gas cylinders and transformers, were removed from the site. Under order by USEPA in 1994, a group of potentially responsible parties (PRPs) remediated neighboring residential properties and erected a fence around the contaminated site. The PRPs conducted a Remedial Investigation and Feasibility Study (RI/FS)of the site during the period 1993-1995. The Record of Decision (ROD) was signed in 1996 which required the contaminated soils be consolidated and properly capped. Under a separate New York State consent order, the PRPs consolidated and capped the waste onto the property known as Bern Metals (approximate acreage of 3.7 acres), completing the project in 2002. The long-term Operation, Maintenance and Monitoring Plan is in

BERN METALS (Continued) **1000305569**

	effect and is being implemented by the City of Buffalo. The Universal Metals property has been remediated as required by the ROD.
Env Problem:	Nature and Extent of Contamination: Remediation at the site is complete and the wastes are contained. The environmental impacts have been mitigated and environmental threats have been removed. The site is being monitored and maintained under a long term Operation and Maintenance Plan by the City of Buffalo.
Health Problem:	This site is located in a mixed industrial/residential area in the City of Buffalo that is served by public water. There are no known private wells in the immediate area. Therefore, human exposures to site-related contaminants via drinking water are not expected. Elevated levels of lead, up to 176,000 milligrams per kilogram, were present on-site in subsurface soils. These soils have been consolidated and capped on the site. NYSDOH coordinated blood lead testing of nearby residents in 1991 and no elevated blood lead levels attributable to the site were found. The USEPA replaced nearby residential yard soils with clean soil in 1992 and 1993. Along with the consolidation and capping of site soils, institutional controls and fencing are in place to protect public health.
Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	1956
Disp Term:	1983
Lat/Long:	42:52:36:0 / 78:50:16:0
Dell:	False
Record Add:	1999-11-18 12:00:00
Record Upd:	1999-11-18 12:00:00
Updated By:	INITIAL
Own Op:	Disp. Owner
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	BERN METAL CORP./UNIVERSAL IRON & ME
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	ZZ
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	E
Owner Name:	Not reported
Owner Company:	BERN METAL CORP./UNIVERSAL IRON & ME
Owner Address:	100 CLAREMONT AVE.
Owner Addr2:	Not reported
Owner City,St,Zip:	KENMORE, NY 14223
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	O.ROBERT KOLSKY
Owner Address:	56 TRISTAN LANE
Owner Addr2:	Not reported
Owner City,St,Zip:	WILLIAMSVILLE, NY 14221
Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	NNN

BERN METALS (Continued) **1000305569**

Owner Name: Not reported
Owner Company: Bern Metal Corp./Universal Iron & Metal
Owner Address: 22 Bender Street/993 Clinton Street
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14206
Owner Country: United States of America
Own Op: Owner
Sub Type: NNN
Owner Name: Gerald Arwitz
Owner Company: Estate of Bernard Arwitz
Owner Address: 100 Claremont Avenue
Owner Addr2: Not reported
Owner City,St,Zip: Kenmore, NY 14223
Owner Country: United States of America
HW Code: 915135
Waste Type: BATTERY ACIDS
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 915135
Waste Type: LEAD
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 915135
Waste Type: CHROMIUM LEATHER FINES
Waste Quantity: "
Waste Code: Not reported
HW Code: 915135
Waste Type: METAL SLUDGES
Waste Quantity: "
Waste Code: Not reported
HW Code: 915135
Waste Type: PCB OIL
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 915135
Waste Type: PCB SOIL
Waste Quantity: 30 TONS
Waste Code: Not reported
HW Code: 915135
Waste Type: GAS CYLINDERS
Waste Quantity: 16
Waste Code: Not reported
Crossref ID: NYD013703632
Cross Ref Type Code: 05
Cross Ref Type: EPA Site ID
Record Added Date: 1999-11-18 12:00:00
Record Updated: 2001-05-10 16:31:00
Updated By: REGTRANS

INST CONTROL:
Site Code: 58664
Control Name: Deed Restriction
HW Code: 915135
Control Code: A
Control Type: INST
Dt record added: 10/29/2010
Dt rec updated: 06/26/2017

BERN METALS (Continued) **1000305569**

Updated By:	TLRIDNER
Site Code:	58664
Site Description:	Location: The Bern Metal Corp. Site is located at 22 Bender Street (south, off of Clinton Street) in the City of Buffalo, Erie County. Site Features: The site consists of a large, capped landfill which is surrounded by chain link fence. Residential and commercial properties are located to the north and east of the site, while a railroad track is along the site's southwest side. Past Use of the Site: The site previously consisted of two properties known as: Bern Metals (~3.7 acres) and Universal Metals (~1.5 acres). The site was an abandoned scrap reprocessor. Based upon complaints from citizens, DEC conducted a Phase I Investigation in 1987. Approximately two hundred 55 gallon drums were found on the Bern Metals property, along with other wastes including: metal turnings, waste chemicals, sludges, battery cases, spilled battery acids. Subsequently, 25 leaking transformers containing PCBs were found on the Universal Metals property. In 1990 USEPA conducted an emergency removal at the site. Drums, gas cylinders and transformers, were removed from the site. Under order by USEPA in 1994, a group of potentially responsible parties (PRPs) remediated neighboring residential properties and erected a fence around the contaminated site. The PRPs conducted a Remedial Investigation and Feasibility Study (RI/FS)of the site during the period 1993-1995. The Record of Decision (ROD) was signed in 1996 which required the contaminated soils be consolidated and properly capped. Under a separate New York State consent order, the PRPs consolidated and capped the waste onto the property known as Bern Metals (approximate acreage of 3.7 acres), completing the project in 2002. The long-term Operation, Maintenance and Monitoring Plan is in effect and is being implemented by the City of Buffalo. The Universal Metals property has been remediated as required by the ROD.
Env Problem:	Nature and Extent of Contamination: Remediation at the site is complete and the wastes are contained. The environmental impacts have been mitigated and environmental threats have been removed. The site is being monitored and maintained under a long term Operation and Maintenance Plan by the City of Buffalo.
Health Problem:	This site is located in a mixed industrial/residential area in the City of Buffalo that is served by public water. There are no known private wells in the immediate area. Therefore, human exposures to site-related contaminants via drinking water are not expected. Elevated levels of lead, up to 176,000 milligrams per kilogram, were present on-site in subsurface soils. These soils have been consolidated and capped on the site. NYSDOH coordinated blood lead testing of nearby residents in 1991 and no elevated blood lead levels attributable to the site were found. The USEPA replaced nearby residential yard soils with clean soil in 1992 and 1993. Along with the consolidation and capping of site soils, institutional controls and fencing are in place to protect public health.
Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	1956
Disp Term:	1983
Lat/Long:	42:52:36:0 / 78:50:16:0
Dell:	False
Record Add:	1999-11-18 12:00:00

BERN METALS (Continued) **1000305569**

Record Upd: 1999-11-18 12:00:00
Updated By: INITIAL
Own Op: Disp. Owner
Sub Type: NNN
Owner Name: Not reported
Owner Company: BERN METAL CORP./UNIVERSAL IRON & ME
Owner Address: Not reported
Owner Addr2: Not reported
Owner City,St,Zip: ZZ
Owner Country: United States of America
Own Op: Owner
Sub Type: E
Owner Name: Not reported
Owner Company: BERN METAL CORP./UNIVERSAL IRON & ME
Owner Address: 100 CLAREMONT AVE.
Owner Addr2: Not reported
Owner City,St,Zip: KENMORE, NY 14223
Owner Country: United States of America
Own Op: Owner
Sub Type: NNN
Owner Name: Not reported
Owner Company: O.ROBERT KOLSKY
Owner Address: 56 TRISTAN LANE
Owner Addr2: Not reported
Owner City,St,Zip: WILLIAMSVILLE, NY 14221
Owner Country: United States of America
Own Op: On-Site Operator
Sub Type: NNN
Owner Name: Not reported
Owner Company: Bern Metal Corp./Universal Iron & Metal
Owner Address: 22 Bender Street/993 Clinton Street
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14206
Owner Country: United States of America
Own Op: Owner
Sub Type: NNN
Owner Name: Gerald Arwitz
Owner Company: Estate of Bernard Arwitz
Owner Address: 100 Claremont Avenue
Owner Addr2: Not reported
Owner City,St,Zip: Kenmore, NY 14223
Owner Country: United States of America
HW Code: 915135
Waste Type: BATTERY ACIDS
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 915135
Waste Type: LEAD
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 915135
Waste Type: CHROMIUM LEATHER FINES
Waste Quantity: "
Waste Code: Not reported
HW Code: 915135
Waste Type: METAL SLUDGES
Waste Quantity: "

BERN METALS (Continued) **1000305569**

Waste Code: Not reported
HW Code: 915135
Waste Type: PCB OIL
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 915135
Waste Type: PCB SOIL
Waste Quantity: 30 TONS
Waste Code: Not reported
HW Code: 915135
Waste Type: GAS CYLINDERS
Waste Quantity: 16
Waste Code: Not reported
Crossref ID: NYD013703632
Cross Ref Type Code: 05
Cross Ref Type: EPA Site ID
Record Added Date: 1999-11-18 12:00:00
Record Updated: 2001-05-10 16:31:00
Updated By: REGTRANS

Site Code: 58664
Control Name: Ground Water Use Restriction
HW Code: 915135
Control Code: 08
Control Type: INST
Dt record added: 10/29/2010
Dt rec updated: 06/26/2017
Updated By: TLRIDNER
Site Code: 58664
Site Description: Location: The Bern Metal Corp. Site is located at 22 Bender Street (south, off of Clinton Street) in the City of Buffalo, Erie County. Site Features: The site consists of a large, capped landfill which is surrounded by chain link fence. Residential and commercial properties are located to the north and east of the site, while a railroad track is along the site's southwest side. Past Use of the Site: The site previously consisted of two properties known as: Bern Metals (~3.7 acres) and Universal Metals (~1.5 acres). The site was an abandoned scrap reprocessor. Based upon complaints from citizens, DEC conducted a Phase I Investigation in 1987. Approximately two hundred 55 gallon drums were found on the Bern Metals property, along with other wastes including: metal turnings, waste chemicals, sludges, battery cases, spilled battery acids. Subsequently, 25 leaking transformers containing PCBs were found on the Universal Metals property. In 1990 USEPA conducted an emergency removal at the site. Drums, gas cylinders and transformers, were removed from the site. Under order by USEPA in 1994, a group of potentially responsible parties (PRPs) remediated neighboring residential properties and erected a fence around the contaminated site. The PRPs conducted a Remedial Investigation and Feasibility Study (RI/FS)of the site during the period 1993-1995. The Record of Decision (ROD) was signed in 1996 which required the contaminated soils be consolidated and properly capped. Under a separate New York State consent order, the PRPs consolidated and capped the waste onto the property known as Bern Metals (approximate acreage of 3.7 acres), completing the project in 2002. The long-term Operation, Maintenance and Monitoring Plan is in effect and is being implemented by the City of Buffalo. The Universal Metals property has been remediated as required by the ROD.

BERN METALS (Continued) **1000305569**

Env Problem:	Nature and Extent of Contamination: Remediation at the site is complete and the wastes are contained. The environmental impacts have been mitigated and environmental threats have been removed. The site is being monitored and maintained under a long term Operation and Maintenance Plan by the City of Buffalo.
Health Problem:	This site is located in a mixed industrial/residential area in the City of Buffalo that is served by public water. There are no known private wells in the immediate area. Therefore, human exposures to site-related contaminants via drinking water are not expected. Elevated levels of lead, up to 176,000 milligrams per kilogram, were present on-site in subsurface soils. These soils have been consolidated and capped on the site. NYSDOH coordinated blood lead testing of nearby residents in 1991 and no elevated blood lead levels attributable to the site were found. The USEPA replaced nearby residential yard soils with clean soil in 1992 and 1993. Along with the consolidation and capping of site soils, institutional controls and fencing are in place to protect public health.
Dump:	False
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	1956
Disp Term:	1983
Lat/Long:	42:52:36:0 / 78:50:16:0
Dell:	False
Record Add:	1999-11-18 12:00:00
Record Upd:	1999-11-18 12:00:00
Updated By:	INITIAL
Own Op:	Disp. Owner
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	BERN METAL CORP./UNIVERSAL IRON & ME
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	ZZ
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	E
Owner Name:	Not reported
Owner Company:	BERN METAL CORP./UNIVERSAL IRON & ME
Owner Address:	100 CLAREMONT AVE.
Owner Addr2:	Not reported
Owner City,St,Zip:	KENMORE, NY 14223
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	O.ROBERT KOLSKY
Owner Address:	56 TRISTAN LANE
Owner Addr2:	Not reported
Owner City,St,Zip:	WILLIAMSVILLE, NY 14221
Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	Bern Metal Corp./Universal Iron & Metal

BERN METALS (Continued) **1000305569**

Owner Address: 22 Bender Street/993 Clinton Street
Owner Addr2: Not reported
Owner City,St,Zip: Buffalo, NY 14206
Owner Country: United States of America
Own Op: Owner
Sub Type: NNN
Owner Name: Gerald Arwitz
Owner Company: Estate of Bernard Arwitz
Owner Address: 100 Claremont Avenue
Owner Addr2: Not reported
Owner City,St,Zip: Kenmore, NY 14223
Owner Country: United States of America
HW Code: 915135
Waste Type: BATTERY ACIDS
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 915135
Waste Type: LEAD
Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 915135
Waste Type: CHROMIUM LEATHER FINES
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HW Code: 915135
Waste Type: GAS CYLINDERS
Waste Quantity: 16
Waste Code: Not reported
Crossref ID: NYD013703632
Cross Ref Type Code: 05
Cross Ref Type: EPA Site ID
Record Added Date: 1999-11-18 12:00:00
Record Updated: 2001-05-10 16:31:00
Updated By: REGTRANS

Site Code: 58664
Control Name: O&M Plan
HW Code: 915135
Control Code: 33
Control Type: INST
Dt record added: 10/29/2010
Dt rec updated: 06/26/2017
Updated By: TLRIDNER
Site Code: 58664
Site Description: Location: The Bern Metal Corp. Site is located at 22 Bender Street

BERN METALS (Continued) **1000305569**

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Dump: False
Structure: False
Lagoon: False
Landfill: False
Pond: False
Disp Start: 1956
Disp Term: 1983
Lat/Long: 42:52:36:0 / 78:50:16:0
Dell: False
Record Add: 1999-11-18 12:00:00
Record Upd: 1999-11-18 12:00:00
Updated By: INITIAL
Own Op: Disp. Owner

BERN METALS (Continued) **1000305569**

Sub Type: NNN
Owner Name: Not reported
Owner Company: BERN METAL CORP./UNIVERSAL IRON & ME
Owner Address: Not reported
Owner Addr2: Not reported
Owner City,St,Zip: ZZ
Owner Country: United States of America
Own Op: Owner
Sub Type: E
Owner Name: Not reported
Owner Company: BERN METAL CORP./UNIVERSAL IRON & ME
Owner Address: 100 CLAREMONT AVE.
Owner Addr2: Not reported
Owner City,St,Zip: KENMORE, NY 14223
Owner Country: United States of America
Own Op: Owner
Sub Type: NNN
Owner Name: Not reported
Owner Company: O.ROBERT KOLSKY
Owner Address: 56 TRISTAN LANE
Owner Addr2: Not reported
Owner City,St,Zip: WILLIAMSVILLE, NY 14221
Owner Country: United States of America
Own Op: On-Site Operator
Sub Type: NNN
Owner Name: Not reported
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Owner Country: United States of America
Own Op: Owner
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Owner Country: United States of America
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Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 915135
Waste Type: LEAD
Waste Quantity: UNKNOWN
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Waste Quantity: "
Waste Code: Not reported
HW Code: 915135
Waste Type: METAL SLUDGES
Waste Quantity: "
Waste Code: Not reported
HW Code: 915135
Waste Type: PCB OIL

BERN METALS (Continued) **1000305569**

Waste Quantity: UNKNOWN
Waste Code: Not reported
HW Code: 915135
Waste Type: PCB SOIL
Waste Quantity: 30 TONS
Waste Code: Not reported
HW Code: 915135
Waste Type: GAS CYLINDERS
Waste Quantity: 16
Waste Code: Not reported
Crossref ID: NYD013703632
Cross Ref Type Code: 05
Cross Ref Type: EPA Site ID
Record Added Date: 1999-11-18 12:00:00
Record Updated: 2001-05-10 16:31:00
Updated By: REGTRANS

PRP:
PRP name:
ALLIEDSIGNAL, INC.
BERN METALS CO.
BUFFALO COLOR CORP
BUFFALO COLOR CORP
CITY OF BUFFALO
CONSOLIDATED RAIL CORPORATION
CONSOLIDATED RAIL CORPORATION
GENERAL MOTORS CORPORATION
GENERAL MOTORS CORPORATION
GERALD ARYWITZ
GMED, TONAWANDA ENGINE PLANT
HUBER LAWRENCE & ABELL
LIGHTER, SAM & SON
LOUIS LEVIN & CO., INC.
NATIONAL FUEL AND GAS DISTRIBUTION CORP.
NATIONAL FUEL AND GAS DISTRIBUTION CORP.
NEW YORK BELL TELEPHONE CO.
NEW YORK STATE ELECTRIC & GAS CORP.
NEW YORK STATE ELECTRIC & GAS CORP.
NEW YORK STATE ELECTRIC & GAS CORP.
NEW YORK STATE ELECTRIC & GAS CORP.
NEW YORK STATE ELECTRIC & GAS CORP.
NIAGARA MOHAWK POWER COMPANY
PEOPLES FUEL
PHILLIPS, LYTLE, HITCHCOCK, BLAINE,HUBER
RACHEL S. ARYWITZ
WESTERN ELECTRIC CO.

P76 **BERN METALS - USEPA ERRD** **RCRA NonGen / NLR** **1000447082**
ENE **22 BENDER AVE** **ICIS** **NYD986910057**
1/2-1 **BUFFALO, NY 14206** **CONSENT**
0.843 mi. **FINDS**
4449 ft. **Site 2 of 2 in cluster P** **ECHO**

Relative:
Higher

Actual:
590 ft.

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: BERN METALS - USEPA ERRD
Facility address: 22 BENDER AVE
BUFFALO, NY 14206-2803

BERN METALS - USEPA ERRD (Continued) **1000447082**

EPA ID:	NYD986910057
Mailing address:	WOODBRIDGE AVE BLDG 209 EDISON, NY 08817
Contact:	Not reported
Contact address:	WOODBRIDGE AVE BLDG 209 EDISON, NY 08817
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	BERN METALS BANKRUPT
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	212-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	BERN METALS BANKRUPT
Owner/operator address:	NOT REQUIRED NOT REQUIRED, WY 99999
Owner/operator country:	US
Owner/operator telephone:	212-555-1212
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No

BERN METALS - USEPA ERRD (Continued) **1000447082**

Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: BERN METALS - USEPA ERRD
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Site name: BERN METALS - USEPA ERRD
Classification: Not a generator, verified

Date form received by agency: 03/12/1992
Site name: BERN METALS SITE
Classification: Large Quantity Generator

Date form received by agency: 08/15/1990
Site name: BERN METALS - USEPA ERRD
Classification: Large Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D008
. Waste name: LEAD

. Waste code: D009
. Waste name: MERCURY

Violation Status: No violations found

Evaluation Action Summary:
Evaluation date: 12/12/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

ICIS:
Enforcement Action ID: 02-1995-0354
FRS ID: 110004451600
Action Name: ROYAL LYNCH
Facility Name: BERN METALS - USEPA ERRD
Facility Address: 22 BENDER AVE
BUFFALO, NY 142062803
Enforcement Action Type: Civil Judicial Action
Facility County: ERIE
Program System Acronym: ICIS
Enforcement Action Forum Desc: Judicial

BERN METALS - USEPA ERRD (Continued) **1000447082**

EA Type Code:	CIV
Facility SIC Code:	Not reported
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	42.878432
Longitude in Decimal Degrees:	-78.836949
Permit Type Desc:	Not reported
Program System Acronym:	11963
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported
Enforcement Action ID:	02-1995-0343
FRS ID:	110004451600
Action Name:	NEW YORK STATE ELECTRIC & GAS CORP
Facility Name:	BERN METALS - USEPA ERRD
Facility Address:	22 BENDER AVE
	BUFFALO, NY 142062803
Enforcement Action Type:	CERCLA 122G Admin. Deminimis Cost Recov Settlement (Old)
Facility County:	ERIE
Program System Acronym:	ICIS
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	122G
Facility SIC Code:	Not reported
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	42.878432
Longitude in Decimal Degrees:	-78.836949
Permit Type Desc:	Not reported
Program System Acronym:	11963
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported
Enforcement Action ID:	02-1995-0333
FRS ID:	110004451600
Action Name:	BUFFALO COLOR CORP (BERN METALS)
Facility Name:	BERN METALS - USEPA ERRD
Facility Address:	22 BENDER AVE
	BUFFALO, NY 142062803
Enforcement Action Type:	Civil Judicial Action
Facility County:	ERIE
Program System Acronym:	ICIS
Enforcement Action Forum Desc:	Judicial
EA Type Code:	CIV
Facility SIC Code:	Not reported
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	42.878432
Longitude in Decimal Degrees:	-78.836949
Permit Type Desc:	Not reported
Program System Acronym:	11963
Facility NAICS Code:	Not reported
Tribal Land Code:	Not reported
Enforcement Action ID:	02-1992-0278
FRS ID:	110004451600
Action Name:	ALLIED SIGNAL CORP ET AL
Facility Name:	BERN METALS - USEPA ERRD
Facility Address:	22 BENDER AVE
	BUFFALO, NY 142062803
Enforcement Action Type:	CERCLA 106 AO For Resp Action/Imm Haz

BERN METALS - USEPA ERRD (Continued) **1000447082**

Facility County: ERIE
Program System Acronym: ICIS
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: 106
Facility SIC Code: Not reported
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.878432
Longitude in Decimal Degrees: -78.836949
Permit Type Desc: Not reported
Program System Acronym: 11963
Facility NAICS Code: Not reported
Tribal Land Code: Not reported

Facility Name: BERN METALS - USEPA ERRD
Address: 22 BENDER AVE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: BERN METALS - USEPA ERRD
Address: 22 BENDER AVE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: BERN METALS - USEPA ERRD
Address: 22 BENDER AVE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: BERN METALS - USEPA ERRD
Address: 22 BENDER AVE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

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Address: 22 BENDER AVE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: BERN METALS - USEPA ERRD
Address: 22 BENDER AVE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: BERN METALS - USEPA ERRD

BERN METALS - USEPA ERRD (Continued) **1000447082**

Address: 22 BENDER AVE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: BERN METALS - USEPA ERRD
Address: 22 BENDER AVE
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Fed Facility: No
NAIC Code: Not reported
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Address: 22 BENDER AVE

BERN METALS - USEPA ERRD (Continued) **1000447082**

Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

Facility Name: BERN METALS - USEPA ERRD
Address: 22 BENDER AVE
Tribal Indicator: N
Fed Facility: No
NAIC Code: Not reported
SIC Code: Not reported

CONSENT:
EPA ID: NYD986910057
Site ID: Not reported
Case Title: U.S. V. ALLIED SIGNAL, INC., ET AL. (BERN METALS)
Court Num: 95-0950
District: New York, West
Entered Date: 20030107
Full-text of the consent decree for this site issued by the United States District Court is available from EDR. Contact your EDR Account Executive.

FINDS:

Registry ID: 110004451600

Environmental Interest/Information System
RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

SUPERFUND (NON-NPL)

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

BERN METALS - USEPA ERRD (Continued) **1000447082**

ECHO:
Envid: 1000447082
Registry ID: 110004451600
DFR URL: http://echo.epa.gov/detailed-facility-report?fid=110004451600

Q77 **BUFFALO COLOR PLANT SITE** **NY MOSF** **1004566668**
SE **100 LEE STREET** **NY CBS** **N/A**
1/2-1 **BUFFALO, NY 14240** **NY DEL SHWS**
0.855 mi. **NY Spills**
4516 ft. **Site 1 of 5 in cluster Q** **NY AIRS**
NY MANIFEST
Relative: **NY SPDES**
Higher

Actual: **589 ft.**

MOSF:
Facility ID: 9-1480
Program Type: MOSF
Tank Status: Unregulated/Closed
Expiration Date: Not reported
Dec Region: 9
UTMX: 186015.66188
UTMY: 4752972.08278

CBS:
CBS Number: 9-000130
Program Type: CBS
Facility Status: Unregulated/Closed
Expiration Date: Not reported
Dec Region: 9
UTMX: 186002.24456
UTMY: 4752971.29680

DEL SHWS:
Year: Not reported
Site Code Id: Not reported
Site Classification: Not reported
Region: 9
Epa Id Number: Not reported
Site Type - Dump: No
Site Type - Structure: No
Site Type - Lagoon: No
Site Type - Landfill: No
Site Type - Treat Pond: No
Site Size (Acres): Not reported
Site Size Comment: Not reported
Period Assoc/HW Start: Not reported
Period Assoc/HW End: Not reported
Lat/Long: Not reported
Lat/Long Decimal: Not reported
Lat/Long (dms): Not reported
Hazardous Waste Code: 915184
Hazard Waste Disposed: Not reported
Quantity: Not reported
Air Data Available: No
SW Std Contravention: No
GW Std Contravention: No
Soil Type: Not reported

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Sediment Data Available:	No
GW Std Contravention:	No
DW Std Contravention:	No
SW Std Contravention:	No
Air Stand Contraventions:	No
Legal Action Type:	Not reported
State Legal Action:	No
Federal Legal Action:	No
Enforce Status Code:	Not reported
Remedial Act Proposed:	No
Rem Act Under Design:	No
Rem Act In Progress:	No
Rem Act Completed:	No
Remedial Action Type:	Not reported
Soil Type:	Not reported
Depth To Groundwater:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Owner Phone:	Not reported
Owner Contact Name:	Not reported
Owner During Disposal:	Not reported
Owner During Use:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City,St,Zip:	Not reported
Operator Phone:	Not reported
Operator Contact Name:	Not reported
Oper During Disposal:	Not reported
Site Type:	Not reported
HW Disposal Period:	Not reported
Analytical Data Available:	Not reported
Applicable Std Exceeded:	Not reported
Geotech Info:	Not reported
Depth To Groundwater:	Not reported
Status:	Not reported
Nature Of Action:	Not reported
Env Prob Assessment:	Not reported
Site Description:	Not reported
Confirmed HW:	Not reported
Environment Assesment:	Not reported
Health Assesment:	Not reported
Disposal Start Date:	Not reported
Disposal Term Date:	Not reported
Air Violation:	Not reported
Groundwater Violation:	Not reported
Drink Water Violation:	Not reported
Surface Water Violation:	Not reported
Legal New York State:	Not reported
Legal Federal:	Not reported
Legal State:	Not reported
Remedial Action Active:	Not reported
Remedial Action Done:	Not reported
NPL Status:	Not reported
Count Operator:	Not reported
Count Owner:	Not reported
NYTM X:	Not reported

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

NYTM Y:	Not reported
Co Name:	Not reported
Co Addr:	Not reported
Operator Addr:	Not reported
Operator Addr 2:	Not reported
Operator Addr 3:	Not reported
Operator Addr 4:	Not reported
HWDP From:	Not reported
From To:	Not reported
Assessment of Health:	Not reported
Description:	The BCC plant, exclusive of Area D (Class 4 Site, No. 915012), occupies approximately 42 acres near and adjacent to the Buffalo River. The area surrounding the BCC site is zoned for heavy industry. North and west of the facility are CSX railroad tracks. Allied Signal Inc.'s (now known as Honeywell International, Inc.) research facility is located north of the facility. South and east of the facility is PVS Chemicals, Inc., and the Buffalo River. To the south of Plant Area A is an inactive rail line and Plant Area D. To the east of Plant Area E is an industrial property owned by ExxonMobil. The nearest residential areas are about 150 feet north and east of the site, across Elk and Orlando Streets.There had been continuous production of dyestuffs and organic chemicals at the facility for over 100 years. The plant was originally built in 1879 by a predecessor of Schoellkopf Aniline and Dye Company, which became National Aniline Chemical Company (NACCO) in 1917. NACCO was the result of a merger of five companies, including Schoellkopf Aniline and Dye Company, which later became Allied Chemical Corporation and then Honeywell. On July 1, 1977, BCC purchased certain assets from Allied Chemical, including the plant and the right to produce certain chemicals.In 1995, NYSDEC issued a Part 373 Post-Closure Permit to BCC. The permit required BCC to conduct a RCRA Facility Investigation for the site. Various remedial alternatives were examined in more detail in a Corrective Measures Study Report for BCC, dated January 2000. BCC filed for bankruptcy in 2003. In 2005 Honeywell (a potentially responsible party) entered into an Order on Consent to address groundwater contamination at the site by designing and installing an interim groundwater collection system. Design and construction was complete and the system operational in 2007.Honeywell completed a bulk chemical removal at the Site in 2007.Honeywell entered into an Order on Consent to perform an RI/FS in 2006. The RI/FS report was submitted in the fall 2008. A public meeting was held in October 2008 to review the findings. A Brownfield Cleanup Agreement has been signed by the volunteer South Buffalo Development(SBD) for the remediation of this site under the Brownfield Cleanup Program (Site #C915230, C915231, and C915232).
Record Added Date:	04/30/2004
Record Updated Date:	02/19/2013
Env Assessment:	Not reported
HW Disposed/Quantity:	Not reported
Assess/Env Prog:	Not reported
Assess/Health Prob:	Not reported
Site Description:	Not reported
Year:	Not reported
Site Code Id:	Not reported
Site Classification:	Not reported
Region:	9

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Epa Id Number:	Not reported
Site Type - Dump:	No
Site Type - Structure:	No
Site Type - Lagoon:	No
Site Type - Landfill:	No
Site Type - Treat Pond:	No
Site Size (Acres):	Not reported
Site Size Comment:	Not reported
Period Assoc/HW Start:	Not reported
Period Assoc/HW End:	Not reported
Lat/Long:	Not reported
Lat/Long Decimal:	Not reported
Lat/Long (dms):	Not reported
Hazardous Waste Code:	915184
Hazard Waste Disposed:	Not reported
Quantity:	Not reported
Air Data Available:	No
SW Std Contravention:	No
GW Std Contravention:	No
Soil Type:	Not reported
Sediment Data Available:	No
GW Std Contravention:	No
DW Std Contravention:	No
SW Std Contravention:	No
Air Stand Contraventions:	No
Legal Action Type:	Not reported
State Legal Action:	No
Federal Legal Action:	No
Enforce Status Code:	Not reported
Remedial Act Proposed:	No
Rem Act Under Design:	No
Rem Act In Progress:	No
Rem Act Completed:	No
Remedial Action Type:	Not reported
Soil Type:	Not reported
Depth To Groundwater:	Not reported
Owner Name:	Not reported
Owner Address:	Not reported
Owner City,St,Zip:	Not reported
Owner Phone:	Not reported
Owner Contact Name:	Not reported
Owner During Disposal:	Not reported
Owner During Use:	Not reported
Operator Name:	Not reported
Operator Address:	Not reported
Operator City,St,Zip:	Not reported
Operator Phone:	Not reported
Operator Contact Name:	Not reported
Oper During Disposal:	Not reported
Site Type:	Not reported
HW Disposal Period:	Not reported
Analytical Data Available:	Not reported
Applicable Std Exceeded:	Not reported
Geotech Info:	Not reported
Depth To Groundwater:	Not reported
Status:	Not reported
Nature Of Action:	Not reported

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Env Prob Assessment:	Not reported
Site Description:	Not reported
Confirmed HW:	Not reported
Environment Assesment:	Not reported
Health Assesment:	Not reported
Disposal Start Date:	Not reported
Disposal Term Date:	Not reported
Air Violation:	Not reported
Groundwater Violation:	Not reported
Drink Water Violation:	Not reported
Surface Water Violation:	Not reported
Legal New York State:	Not reported
Legal Federal:	Not reported
Legal State:	Not reported
Remedial Action Active:	Not reported
Remedial Action Done:	Not reported
NPL Status:	Not reported
Count Operator:	Not reported
Count Owner:	Not reported
NYTM X:	Not reported
NYTM Y:	Not reported
Co Name:	Not reported
Co Addr:	Not reported
Operator Addr:	Not reported
Operator Addr 2:	Not reported
Operator Addr 3:	Not reported
Operator Addr 4:	Not reported
HWDP From:	Not reported
From To:	Not reported
Assessment of Health:	Not reported
Description:	The BCC plant, exclusive of Area D (Class 4 Site, No. 915012), occupies approximately 42 acres near and adjacent to the Buffalo River. The area surrounding the BCC site is zoned for heavy industry. North and west of the facility are CSX railroad tracks. Allied Signal Inc.'s (now known as Honeywell International, Inc.) research facility is located north of the facility. South and east of the facility is PVS Chemicals, Inc., and the Buffalo River. To the south of Plant Area A is an inactive rail line and Plant Area D. To the east of Plant Area E is an industrial property owned by ExxonMobil. The nearest residential areas are about 150 feet north and east of the site, across Elk and Orlando Streets.There had been continuous production of dyestuffs and organic chemicals at the facility for over 100 years. The plant was originally built in 1879 by a predecessor of Schoellkopf Aniline and Dye Company, which became National Aniline Chemical Company (NACCO) in 1917. NACCO was the result of a merger of five companies, including Schoellkopf Aniline and Dye Company, which later became Allied Chemical Corporation and then Honeywell. On July 1, 1977, BCC purchased certain assets from Allied Chemical, including the plant and the right to produce certain chemicals.In 1995, NYSDEC issued a Part 373 Post-Closure Permit to BCC. The permit required BCC to conduct a RCRA Facility Investigation for the site. Various remedial alternatives were examined in more detail in a Corrective Measures Study Report for BCC, dated January 2000. BCC filed for bankruptcy in 2003. In 2005 Honeywell (a potentially responsible party) entered into an Order on Consent to address groundwater contamination at the site by designing and installing an interim groundwater collection system. Design and

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

construction was complete and the system operational in 2007.Honeywell completed a bulk chemical removal at the Site in 2007.Honeywell entered into an Order on Consent to perform an RI/FS in 2006. The RI/FS report was submitted in the fall 2008. A public meeting was held in October 2008 to review the findings. A Brownfield Cleanup Agreement has been signed by the volunteer South Buffalo Development(SBD) for the remediation of this site under the Brownfield Cleanup Program (Site #C915230, C915231, and C915232).

Record Added Date: 04/30/2004
Record Updated Date: 02/19/2013
Env Assessment: Not reported
HW Disposed/Quantity: Not reported
Assess/Env Prog: Not reported
Assess/Health Prob: Not reported
Site Description: Not reported

SPILLS:
Facility ID: 0107313
Facility Type: ER
Spill Number: 0107313
DER Facility ID: 231175
Site ID: 253282
DEC Region: 9
Closed Date: 2001-10-16
Spill Cause: Equipment Failure
Spill Class: E5
SWIS: 1502
Spill Date: 2001-10-16
Investigator: BRENNAN
Referred To: Not reported
Reported to Dept: 2001-10-16
CID: 270
Water Affected: Not reported
Spill Source: Commercial/Industrial
Spill Notifier: Affected Persons
Cleanup Ceased: Not reported
Cleanup Meets Std: True
Last Inspection: Not reported
Recommended Penalty: False
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 2001-10-16
Spill Record Last Update: 2001-10-17
Spiller Name: LANA DOLE
Spiller Company: UNKNOWN
Spiller Address: Not reported
Spiller Company: 001
Contact Name: LANA DOLE
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was KAB 10/16/01: KAB RECEIVED REPORT OF AIR RELEASE AT BUFFALO COLOR. REFERRED COMPLAINT TO DIVISION OF AIR RESOURCES FOR FOLLOW-UP. NO ACTION BY SPILLS POSSIBLE. CLOSE OUT."
Remarks: "LEAKY FLANGE CAUSED SPILL HAS BEEN STOPPED GATX CALLED FOR REPAIR"

All Materials:
Site ID: 253282
Operable Unit ID: 844327

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Operable Unit:	01
Material ID:	532134
Material Code:	1347A
Material Name:	butadiene
Case No.:	00106990
Material FA:	Hazardous Material
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Facility ID:	1001321
Facility Type:	ER
Spill Number:	1001321
DER Facility ID:	231175
Site ID:	434366
DEC Region:	9
Closed Date:	2010-06-07
Spill Cause:	Human Error
Spill Class:	Not reported
SWIS:	1502
Spill Date:	2010-05-04
Investigator:	TDJOHNSO
Referred To:	Not reported
Reported to Dept:	2010-05-04
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	DEC
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	Not reported
Remediation Phase:	0
Date Entered In Computer:	2010-05-04
Spill Record Last Update:	2010-06-07
Spiller Name:	ryan mccann
Spiller Company:	ontario specialty
Spiller Address:	Not reported
Spiller Company:	999
Contact Name:	Not reported
DEC Memo:	"05/04/10 TDJ ONTARIO SPECIALTY WAS REMOVING OLD TANKS AND LINES FOR SOUTH BUFFALO DEVELOPMENT CORP. WHEN LINE CUT INTO BACKED UP RELEASING NAOH SOLUTION ONTO GROUND. A VAC TRUCK WAS ONSITE AT TIME OF SPILL SO THE MATERIAL WAS PUMPED INTO VAC TRUCK. ABSORBENTS WERE USED FOR REMAINING MATERIAL. KEVIN GLASER (DEC) WAS ONSITE AT TIME OF SPILL AND DOCUMENTED CLEANUP. DISPOSAL RECEIPTS FOR THIS SPILL WILL BE A SEPARATE DOCUMENT FROM THE ON SITE WORK. 06/07/10 TDJ RECEIVED DISPOSAL RECEIPT FROM SOUTH BUFFALO DEVELOPMENT GROUP FOR SODIUM HYDROXIDE SPILL. SOLID AND LIQUID WASTE WAS TAKEN TO ENRITE OF OHIO IN CANTON, OHIO. NO FURTHER ACTION FILE CLOSED"
Remarks:	"While working at removal of old tank and lines at former Buffal Color Facility a line released between 50-100 gallons of sodium hydroxide solution."

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

All Materials:

Site ID:	434366
Operable Unit ID:	1185198
Operable Unit:	01
Material ID:	2179498
Material Code:	0038C
Material Name:	sodium hydroxide
Case No.:	01310732
Material FA:	Hazardous Material
Quantity:	75.00
Units:	G
Recovered:	75.00
Oxygenate:	Not reported

Facility ID:	0075172
Facility Type:	ER
Spill Number:	0075172
DER Facility ID:	231175
Site ID:	285072
DEC Region:	9
Closed Date:	2000-06-19
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	1502
Spill Date:	2000-06-16
Investigator:	RJJONAK
Referred To:	Not reported
Reported to Dept:	2000-06-19
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Railroad Car
Spill Notifier:	Affected Persons
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2000-06-19
Spill Record Last Update:	2000-07-10
Spiller Name:	Not reported
Spiller Company:	UNKNOWN RAILCAR
Spiller Address:	Not reported
Spiller Company:	001
Contact Name:	DAVE SAUER
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was RJJ 06/19/2000: RJJ TELECON FROM DAVE SAUER AT BUFFALO, HE SAID THAT HE CALLED SAC ON 06/16/2000 THAT A TRAIN CAR SPILLED TWO GALLONS OF ETHANAL NEXT TO THEIR PROPERTY...SAC DID NOT OPEN A SPILL SINCE THE QUANTITY WAS LESS THAN THE RQ, THE HAZ-MAT TEAM REPONDED AND FOUND THAT IT WAS METHANAL, NOT ETHANAL, WHICH WAS FIRST REPORTED...THEY CONTAINED THE SPILL AND NO PRODUCT REACHED THE GROUND, IT EVPORATED...THEY THAN UNLOADED THE METHANAL IN THEIR BUILDING...NO FURTHER ACTION NEEDED...SPILL CLOSED OUT."
Remarks:	"CALLER SAID THAT ABOUT 20 LBS.,<2 GALS. OF METHANAL SPILLED OVER A TRAIN CAR NEXT TO THEIR PROPERTY AND EVAPORATED...THEY THAN EMPTYED

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

THE REMAINING METHANAL IN THEIR BUILDING."

All Materials:

Site ID:	285072
Operable Unit ID:	836544
Operable Unit:	01
Material ID:	538718
Material Code:	0032C
Material Name:	wood alcohol
Case No.:	00067561
Material FA:	Hazardous Material
Quantity:	2.00
Units:	G
Recovered:	2.00
Oxygenate:	Not reported

Facility ID:	0175010
Facility Type:	ER
Spill Number:	0175010
DER Facility ID:	231175
Site ID:	285073
DEC Region:	9
Closed Date:	2011-05-16
Spill Cause:	Unknown
Spill Class:	C4
SWIS:	1502
Spill Date:	2001-03-22
Investigator:	lcross
Referred To:	Not reported
Reported to Dept:	2001-03-22
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Unknown
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2001-04-03
Spill Record Last Update:	2011-05-16
Spiller Name:	LANA DOLE
Spiller Company:	BUFFALO COLOR CORPORATION
Spiller Address:	100 LEE STREET
Spiller Company:	001
Contact Name:	LANA DOLE
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was TED 03/22/01: TED RECEIVED MESSAGE FROM STAN RADON THAT HE HAD BEEN INFORMED BY LANA DOLE AT BUFFALO COLOR CORP. THAT PETROLEUM PRODUCT HAD BEEN FOUND IN ONE OF BUFFALO COLOR'S MONITORING WELLS (MW's)DURING A ROUTINE INSPECTION. LANA SAID MW LOCATED NEAR EXXON MOBIL TERMINAL. SHE THINKS PRODUCT MIGHT BE DIESEL. 03/23/01: TED TELECON W/ LANA DOLE, SHE WILL FAX OVER PORTION OF SITE MAP SHOWING LOCATION OF MW IN WHICH PRODUCT HAD BEEN FOUND. LANA SAID WELL WILL BE SAMPLED TODAY FOR INHOUSE ANALYSIS OF PRODUCT. SHE SAID OIL HAD BEEN FOUND IN SAME MW (R-14) IN 1996. A SAMPLE HAD BEEN TAKEN AT THAT

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

TIME AND ANALYSED BY BUFFALO COLOR (METHOD UNKNOWN) INDICATING PETROLEUM. 03/30/01: TED REVEIWED CLOSED MOSF FILE FOR BUFFALO COLOR. 1990 SPCC PLAN LISTED DIESEL FUEL STORAGE TANKS AND PORTABLE TANKS (CONTENTS NOT LISTED) IN AREA OF WELL R-14 (AREA E). ALSO NOTED LOCATION OF FORMER ABOVEGROUND TANK V-1 (CONTENTS UNKNOWN) IN AREA E. SENT MEMO TO PJB RECOMMENDING RCRA FOLLOWUP GIVEN POTENTION ON-SITE SOURCE AND RCRA'S PRIOR INVOLVEMENT AT SITE. SPOKE W/ LANA DOLE, SHE SAID SHE HAD RECEIVED SAMPLE RESULTS FOR R-14 WHICH INDICATED PETROLEUM. TOLD LANA ABOUT POTENTIAL ON-SITE SOURCE, BASED ON REVIEW OF MOSF FILE, AND HAVE RECOMMENDED FURTHER INVESTIGATION. UNSURE WHO AT DEC WILL TAKE LEAD AT THIS TIME. FAXED LANA COVER PAGE OF 1990 SPCC PLAN AND PAGE 13 OF PLAN LISTING PETROLEUM STORAGE IN AREA E. 04/02/01: TED TELECON W/ LANA DOLE, SHE SAID DIESEL STORAGE WAS BY BLDG. #312. SHE ALSO HAD DISCUSSION W/ LONG TIME EMPLOYEES WHO SAID THERE HADN'T BEEN ANY DIESEL STORAGE NEAR R-14 THEREFORE THEY THINK PETRO NOT FROM BUFFALO COLOR. 04/03/01: MEMO FROM FRANK SHATTUCK, RCRA PROGRAM WILL TAKE LEAD ON SPILL, STAN RADON WILL FOLLOWUP. 04/04/01: TED GAVE COPY OF BUFFALO COLOR SPILL REPORT # 0175010 WITH HISTORY NOTES TO STAN. 03/22/06: Spill transferred to Linda Ross for followup under Superfund Program. 05/16/2011: UPDATE: EWM - The petroleum found in the SE section of Area E was from former petroleum storage depot that predated BCC. The area was identified as an area requiring remediation under the BCP. Remediation of the area involved a hog and haul in the summer of 2010, and backfill with clean imported soil and on-site soil meeting reuse criteria. Kevin Glaser monitored the work. The work in this area is complete. Additional site remediation work is currently in progress with anticipated overall completion of this BCP site 7/2011. A COC expected there-after. I would consider this petroleum spill work complete, close out the file. "

Remarks: "PETROLEUM WAS FOUND IN ONE OF BUFFALO COLOR'S MONITORING WELLS DURING A ROUTINE SITE INSPECTION. NOTIFIER THINKS IT IS DIESEL. "

All Materials:

Site ID:	285073
Operable Unit ID:	852653
Operable Unit:	01
Material ID:	524336
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Facility ID:	8503528
Facility Type:	ER
Spill Number:	8503528
DER Facility ID:	231175
Site ID:	285074
DEC Region:	9
Closed Date:	1986-08-14
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	1502

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Spill Date:	1986-01-09
Investigator:	PRINGLE
Referred To:	Not reported
Reported to Dept:	1986-01-09
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Railroad Car
Spill Notifier:	Responsible Party
Cleanup Ceased:	1986-08-14
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1986-08-07
Spill Record Last Update:	2001-02-02
Spiller Name:	Not reported
Spiller Company:	BUFFALO COLOR
Spiller Address:	100 LEE STREET
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MNP / / : BOB ARMBRUST REFERRED TO B. WAGER 1/9/86. / / : BOB ARMBRUST REFERRED TO WATER, B. WAGER, 01/09/86; WATER, B. WAGER, SATISFIED 08/14/86, COMPLETE. *****PAPER FILE NO LONGER EXISTS***** "
Remarks:	"OVERFLOW FROM RELIEF VALVE"

All Materials:

Site ID:	285074
Operable Unit ID:	895742
Operable Unit:	01
Material ID:	479657
Material Code:	0674A
Material Name:	anoline oil
Case No.:	Not reported
Material FA:	Other
Quantity:	100.00
Units:	G
Recovered:	50.00
Oxygenate:	Not reported

Facility ID:	8607048
Facility Type:	ER
Spill Number:	8607048
DER Facility ID:	231175
Site ID:	285075
DEC Region:	9
Closed Date:	1987-09-11
Spill Cause:	Human Error
Spill Class:	Not reported
SWIS:	1502
Spill Date:	1987-02-17
Investigator:	COOKE
Referred To:	Not reported
Reported to Dept:	1987-02-17
CID:	Not reported
Water Affected:	Not reported

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	1987-09-11
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1987-02-23
Spill Record Last Update:	1987-09-14
Spiller Name:	Not reported
Spiller Company:	PVS CHEMICAL
Spiller Address:	100 LEE STREET
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was JDC / / : JDC TELCOM W/ H. SANDANATO, AIR 02/25/87. PVS FORWARDING REPORT TO THIS OFFICE. SANDANATO W/ SEND A COPY WHEN RECIEVED. / / : AIR, R. STANTON, SATISFIED 09/11/87, REPORT RECEIVED FROM SPILLER, PVS. / / : RNL REFERRED TO AIR, H. SANDANOTO, 02/17/87; AIR, R. STANTON, SATISFIED 09/11/87, REPORT RECEIVED FROM SPILLER, PVS. "
Remarks:	"REFERRED TO AIR H. SANDANATO 2/17/87"

All Materials:

Site ID:	285075
Operable Unit ID:	903797
Operable Unit:	01
Material ID:	472590
Material Code:	0635A
Material Name:	oleum
Case No.:	Not reported
Material FA:	Other
Quantity:	25.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Facility ID:	8710859
Facility Type:	ER
Spill Number:	8710859
DER Facility ID:	231175
Site ID:	285076
DEC Region:	9
Closed Date:	1988-03-29
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	1502
Spill Date:	1988-03-29
Investigator:	PRINGLE
Referred To:	Not reported
Reported to Dept:	1988-03-29
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	1988-03-29
Cleanup Meets Std:	True

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Last Inspection:	1988-03-29
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1988-03-29
Spill Record Last Update:	1997-01-02
Spiller Name:	Not reported
Spiller Company:	BUFFALO COLOR
Spiller Address:	100 LEE STREET
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MNP / / : 3/29/88 MNP INSP. & MEETING W/DAVE SAUER, BUFFALO COLOR. GAVE ME MSDS ON PRODUCT (THPAA). CRYSTALLIZED INTO SOILD WAS SWEPT UP INTO CARDBOARD CONTAINER APPROX. 50 LBS.;AREA ALSO FLUSHED. NON-HAZ WASTE. 03/29/88: LQR NOTIFIED WATER B. WAGER 03/29/88 MNP TO INVESTIGATE. "
Remarks:	"PRESSURE DISK ON TANK RUPTURED & SPRAYED PRODUCT ONTO STREET, IT THEN SOLIDIFIED"

All Materials:

Site ID:	285076
Operable Unit ID:	916738
Operable Unit:	01
Material ID:	462609
Material Code:	0402A
Material Name:	tetrahydrophthalic anhydride
Case No.:	00085438
Material FA:	Other
Quantity:	100.00
Units:	L
Recovered:	100.00
Oxygenate:	Not reported

Facility ID:	8801498
Facility Type:	ER
Spill Number:	8801498
DER Facility ID:	231175
Site ID:	285077
DEC Region:	9
Closed Date:	1988-05-19
Spill Cause:	Other
Spill Class:	Not reported
SWIS:	1502
Spill Date:	1988-02-23
Investigator:	ROSS
Referred To:	Not reported
Reported to Dept:	1988-05-18
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	1988-05-18
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Remediation Phase:	0
Date Entered In Computer:	1988-05-19
Spill Record Last Update:	1997-01-02
Spiller Name:	Not reported
Spiller Company:	BUFFALO COLOR
Spiller Address:	100 LEE STREET
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was LQR 05/19/88: LQR REFERED TO WATER B.WAGER 05/19/88 FOR FOLLOW UP. "
Remarks:	"EXCEEDING SPEDES LIMIT"

All Materials:

Site ID:	285077
Operable Unit ID:	916975
Operable Unit:	01
Material ID:	460642
Material Code:	0163A
Material Name:	cyanides(soluble cyanide salts)
Case No.:	00057125
Material FA:	Hazardous Material
Quantity:	20.00
Units:	L
Recovered:	.00
Oxygenate:	Not reported

Facility ID:	9007940
Facility Type:	ER
Spill Number:	9007940
DER Facility ID:	231175
Site ID:	285078
DEC Region:	9
Closed Date:	1994-10-14
Spill Cause:	Human Error
Spill Class:	B3
SWIS:	1502
Spill Date:	1990-10-19
Investigator:	SACALAND
Referred To:	Not reported
Reported to Dept:	1990-10-20
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Major Facility (MOSF) > 400,000 gal
Spill Notifier:	Responsible Party
Cleanup Ceased:	1994-10-14
Cleanup Meets Std:	True
Last Inspection:	1993-08-09
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1990-10-24
Spill Record Last Update:	1997-01-02
Spiller Name:	Not reported
Spiller Company:	BUFFALO COLOR
Spiller Address:	100 LEE STREET
Spiller Company:	001
Contact Name:	Not reported

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was SAC 10/24/90: BUFFALO COLOR HIRED WIZARD METHODS TO CLEANUP SPILL. 12/07/90: BUFFALO COLOR TO REMEDIATE RESIDUAL CONTAMINATION W/ BIO REMEDIATION. 06/20/91: SATUS REPORT ON BIO PROJECT RECIEVED. 02/11/92: LETTER SENT 12/5/91 REQUESTING PROJECT STATUS. 05/27/92: MJH AND SAC SITE VISIT BIO REMEDIATION PROJECT TO CONTINUE WITH THE ADDITION OF BUGS TO AUGMENT THE NATURAL BIOLOGICAL GROWTH. 08/11/93: SAC/SITE - DID NOT OBSERVE ANY PRODUCT ON SOIL; SMALL WATER POOL ON EDGE OF CONTAINMENT AREA. SHEEN NOTED. LETTER SENT OUTLINING OUR REQUIREMENTS FOR CLOSING OF OUR FILE. 01/04/94: SAC 1ST NO RESPONSE LETTER SENT TO D. SAUER-BUFFALO COLOR.RESPONSE REQUIRED BY 2/28/94. 01/25/94: RECEIVED REPORTS FROM G.BOLLES/BUFFCOLOR,FELT REMEDIATION IS COMPLETE,SENT LETTER ASKING FOR SAMPLING AS STATED IN M.HINTON LETTER. 02/14/94: SAC TELECON D.SAUER/BUFFALO COLOR,THEY WILL RESAMPLE IN SPRING AND SUBMIT COPIES RESULTS TO US. 08/12/94: SAC RECEIVED RESULTS,REPORT DID NOT HAVE THE CORRECT PARAMETERS TO DETERMINE THE SUCCESS OF REMEDIATION,FAXED DAVE SAUER COPIES OF ANALYSIS PARAMETERS. 10/14/94: SAC RECEIVED RESULTS,ALL PARAMETERS WERE BQL. "

Remarks: "TANK OVERFILL WHILE FILLING TANK SPILL CONTAINED IN SECONDARY CONTAINMENT"

All Materials:

Site ID:	285078
Operable Unit ID:	945162
Operable Unit:	01
Material ID:	431773
Material Code:	0003A
Material Name:	#6 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1000.00
Units:	G
Recovered:	800.00
Oxygenate:	Not reported

Facility ID:	9106358
Facility Type:	ER
Spill Number:	9106358
DER Facility ID:	231175
Site ID:	285079
DEC Region:	9
Closed Date:	1991-09-24
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	1502
Spill Date:	1991-09-12
Investigator:	MXFRANKS
Referred To:	Not reported
Reported to Dept:	1991-09-12
CID:	Not reported
Water Affected:	BUFFALO RIVER
Spill Source:	Commercial/Industrial
Spill Notifier:	Federal Government
Cleanup Ceased:	1991-09-24
Cleanup Meets Std:	True
Last Inspection:	Not reported

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1991-09-13
Spill Record Last Update:	1991-10-07
Spiller Name:	Not reported
Spiller Company:	BUFFALO COLOR
Spiller Address:	100 LEE STREET
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MF 09/13/91: MF 9/12/91 TELECON SPILLER LEAK REPAIRED, SPEDS NOTIFIED PREVIOUSLY, DID NOT NOTIFY SPILLS OR CG. THIS WAS AN ONGOING PROBLEM AT BUFFALO COLOR. 09/24/91: MF 9/24/91 RECEIVED REPORT FROM THE COAST GUARD. SPEDS AWARE & HANDLING. NO FURTHER ACTION POSSIBLE. 09/29/95: This is additional information about material spilled from the translation of the old spill file: NAOH 15%."
Remarks:	"CRACK IN CONCRETE IN SUMP AREA, NAOH DICHARGED INTO THE RIVER."
Facility ID:	9112093
Facility Type:	ER
Spill Number:	9112093
DER Facility ID:	231175
Site ID:	285080
DEC Region:	9
Closed Date:	1992-02-25
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	1502
Spill Date:	1992-02-25
Investigator:	COOKE
Referred To:	Not reported
Reported to Dept:	1992-02-25
CID:	Not reported
Water Affected:	BUFFALO RIVER
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	1992-02-25
Cleanup Meets Std:	True
Last Inspection:	1992-02-25
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1992-03-12
Spill Record Last Update:	1992-03-16
Spiller Name:	Not reported
Spiller Company:	BUFFALO COLOR
Spiller Address:	100 LEE STREET
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was JDC 02/25/92: JDC MET W/ MR SAUER AND FOUND NO CLEANUP POSSIBLE. WATER SECTION, DEC WILL BE DOING FOLLOWUP ON PREVENTION. NO FURTHER ACTION WILL BE REQUIRED. "
Remarks:	"SEWER SYSTEM FAILER"

All Materials:

Site ID:	285080

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Operable Unit ID:	962271
Operable Unit:	01
Material ID:	417080
Material Code:	0038E
Material Name:	white caustic
Case No.:	01310732
Material FA:	Hazardous Material
Quantity:	.00
Units:	Not reported
Recovered:	.00
Oxygenate:	Not reported

Site ID:	285080
Operable Unit ID:	962271
Operable Unit:	01
Material ID:	417075
Material Code:	0002A
Material Name:	#4 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	1000.00
Units:	L
Recovered:	.00
Oxygenate:	Not reported

Facility ID:	9211948
Facility Type:	ER
Spill Number:	9211948
DER Facility ID:	231175
Site ID:	285081
DEC Region:	9
Closed Date:	1993-11-10
Spill Cause:	Equipment Failure
Spill Class:	C3
SWIS:	1502
Spill Date:	1993-01-19
Investigator:	MXFRANKS
Referred To:	Not reported
Reported to Dept:	1993-01-19
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	1993-11-10
Cleanup Meets Std:	True
Last Inspection:	1993-01-21
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1993-01-21
Spill Record Last Update:	1996-01-03
Spiller Name:	Not reported
Spiller Company:	NOCO ENERGY
Spiller Address:	700 GRAND ISLAND BLVD
Spiller Company:	001
Contact Name:	Not reported

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was MF 01/21/93: MF 1/21/93 SITE VISIT/MANAGER. AREA CLEANED, DEBRIS MOVED OFF SITE. TELECON RP (NOCO). TOLD THEM RECEIPTS NEEDED. 2 55 GALLON DRUMS OF DEBRIS REMOVED. 02/19/93: MF 1ST DISPOSAL LETTER SENT GIVING UNTIL 3/31/93. 02/19/93: MF 1ST DISPOSAL LETTER SENT GIVING UNTIL 4/1/93. 11/10/93: MF 11/10/93 SOIL AT NOCO'S BIOCELL AT TERMINAL. WILL BE BIOTREATED, NO FURTHER ACTION NECESSARY. "
Remarks: "FITTING ON TRANSFUR HOSE BROKE. SPILLED TO SUMP AREA & CONTAINMENT ARAE."

All Materials:
Site ID: 285081
Operable Unit ID: 976516
Operable Unit: 01
Material ID: 405331
Material Code: 0003A
Material Name: #6 fuel oil
Case No.: Not reported
Material FA: Petroleum
Quantity: 300.00
Units: G
Recovered: 298.00
Oxygenate: Not reported

Facility ID: 9305667
Facility Type: ER
Spill Number: 9305667
DER Facility ID: 231175
Site ID: 285082
DEC Region: 9
Closed Date: 1993-11-08
Spill Cause: Human Error
Spill Class: A1
SWIS: 1502
Spill Date: 1993-08-07
Investigator: RMCROSSE
Referred To: Not reported
Reported to Dept: 1993-08-07
CID: Not reported
Water Affected: BUFFALO RIVER
Spill Source: Commercial/Industrial
Spill Notifier: Responsible Party
Cleanup Ceased: 1993-11-08
Cleanup Meets Std: True
Last Inspection: 1993-08-30
Recommended Penalty: True
UST Trust: False
Remediation Phase: 0
Date Entered In Computer: 1993-08-10
Spill Record Last Update: 1993-12-28
Spiller Name: Not reported
Spiller Company: BUFFALO COLOR/GODWIN PUMP
Spiller Address: 100 LEE STREET/CEDAR ST.
Spiller Company: 001
Contact Name: Not reported
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was RMC 08/07/93: RMC/SITE (1000 HRS.) - PORTABLE PUMP; 6000 GAL. FUEL

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

TANKER VALVE LEFT OPEN. BUFFALO COLOR EST. LESS THAN 50 GALS.; HOWEVER, 1 - 2 OF PRODUCT IN CONTAINMENT AREA ALONE. THICK POCKETS ON RIVER. 08/07/93: RMC/GORDON BOLLES & DAVE SAUER, BUFFALO COLOR/PETTY OFFICER BOATWRIGHT, USCG/EDWARD SCHILLER, AFI/BSA/SITE (1030 HRS) - HIRED EP & S TO PLACE BOOMS & SWEEPS. 2 BOATS; 5 PEOPLE. 08/07/93: RMS/AFI/EP & S/SITE (1230 HRS) - BOAT FROM IWS/AFI WILL ARRIVE WITHIN 1 HR. BSA ALSO ON-SITE REGARDING USE OF OIL/WATER SEPARATOR TO DISPOSE OF VAC TRUCK CONTENTS. 08/07/93: RMC/PAUL SUOZZI, EP & S/SITE - (1330 HRS) REVIEWED PLAN OF ACTION. IWS TO PLACE 2 BOOMS IN V ACROSS AREA. EP & S TO CONTAIN SOURCE & RUN UP RIVER TO ASSESS DAMAGE W/MJS WHEN HE ARRIVES. 08/07/93: RMC/MJS/PAUL S./SITE - (1400 HRS) LARGE POCKET OF OIL THE WIDTH OF THE RIVER & 300' LONG 1/2 MILE SOURCE, BLOWN UPSTREAM. EP & S TO CONTAIN, CLOSE & PAD. EP & S TO CHANGE BOOM AT BRIDGE ON ELK AS NEED. 08/07/93: RMC/BOLLES/SITE - (1600 HRS) - BUFFALO COLOR & IWS TO WORK UNTIL DARK IN CONTAINED AREA. SOME OIL CONTINUES TO COME OUT FLAP GATE INTO CONTAINED AREA. WILL COMPLETE THAT CLEANUP SUN. A.M. 08/07/93: RMC/MJS/SITE (1700 HRS) DEC ESTIMATES 300+ GALS. LOST. MJS WILL OVERSEE EP & S UNTIL DARK & RETURN IN A.M. RMC TO OVERSEE P.M. WORK. 08/07/93: RMC/HERB SCHROEDER/TELECON - ADVISED OF SITUATION AND AT LEAST THEIR PARTIAL RESPONSIBILITY. TO MEET ON-SITE 8/8/93 AT 1200. 08/07/93: RMC/MJS/TELECON - TOTAL OF 5 BOOMS SYSTEMS ACROSS RIVER & SEVERAL REPLACEMENTS. IWS RECOVERED 12000 GAL. O/W. EST. RECOVERY UNK. BUT BELIEVED TO BE AT LEAST 120 GALS. DEC NOW ESTIMATES 500-1000 GALS. 08/08/93: MJS/EP & S/IWS/BUFFALO COLOR SITE (0730 HRS.) - EP & S WORKED ON BOOM REPLACEMENT UPSTREAM; IWS ON PIT AND DOWNSTREAM. TO DATE, AT LEAST 3 6-WHEEL TRUCKS OF ABSORBENT USED. 08/08/93: RMC/HERB SCHROEDER/SITE (1200 HRS) - WENT OVER RESPONSIBILITIES AND ACTIONS TAKEN TO CLEAN UP. 08/08/93: RMC/MJS/EP & S/IWS/BUFFALO COLOR/SITE - EP & S TO LEAVE FOR DAY. WILL RETURN 8/9 AT 0730 TO SURVEY RIVER. IWS EFFORTS WILL CONTINUE. 08/09/93: RMC/EP & S/BUFFALO COLOR/USCG/SITE - IWS TO COMPRESS DOWN RIVER BOOM AND SWEEP UP RIVER WHILE CONTINUING PIT WORK. OFFICIAL ESTIMATE FROM BUFFALO COLOR IS 2500 GALS.; 500 RECOVERED THUS FAR. 08/09/93: RMC/BOLLES/TELECON - TO EXCAVATE AREA UNDER PUMPS TOMORROW MORNING. RIVER CLEANUP ONGOING. 08/09/93: RMC SENT COPY OF REPORT TO WATER, AIR, FISH & WILDLIFE. 08/10/93: RMC/MIKE WILKINSON/MARK KANDEL/SITE - DID RIVER IMPACT INVESTIGATION. FISH & WILDLIFE WILL PROVIDE A WRITTEN REPORT. 08/10/93: RMC/BOLLES/SITE - WORK ONGOING. AUTHORIZED COMPRESSION OF BOOMS TO LOCATION OUT OF SITE OF BAILEY AVENUE. TO EXCAVATE TOMORR0W A.M. 08/11/93: RMC/RNL/BOLLES/SITE - EXCAVATED TO BOTTOM OF FOUNDATION. FOUND NO OIL. BUFFALO COLOR TO REMOVE VISUALLY CONTAMINATED SOIL. 08/11/93: RMC/RNL/BUFFALO RIVER - FOUND MINOR SHEEN IN CAZENOVIA CREEK AND BETWEEN BOOMS AROUND SUMP ONLY. AUTHORIZED COMPRESSION OF BOOMS TO AROUND THE SUMP ONLY. ABSORBENTS TO BE MAINTAINED IN SUMP. 08/11/93: RMC/RNL/HERB SCHROEDER, GODWIN/BOLLES, BUFFALO COLOR/SITE - WENT OVER SPILL AND RESPONSIBILITY. ASKED FOR WRITE-UP FROM BOTH PARTIES. 08/11/93: RMC/RNL/SITE - INVESTIGATED CLAIM THAT PLEASURE CRAFT WAS STAINED BY SPILL. CRAFT DOCKED 3/4-1 MILE DOWNSTREAM. WIPE SAMPLES CONFIRMED NO OIL ON BOAT. 08/30/93: RMC/SITE INSPECTED RIVER BY BOAT, NO PROBLEMS NOTED. DISPOSAL RECEIPT DUE 10/30/93. 10/21/93: RMC/BOLLES/PHONE REMINDED OF WRITE UP REQUIRMENTS AND REQUIRED DISPOSAL RECIPTS, RESPONSE DUE 11/15/93. 11/08/93: RMC/RECEIVED DIPOSAL RECEIPT AND REPORT FROM BUFFALO COROR, NO FURTHER ACTION REQUIRED, CLOSE OUT. "

Remarks: "LINE BROKE LOOSE FROM FUEL PUMP"

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

All Materials:

Site ID:	285082
Operable Unit ID:	983819
Operable Unit:	01
Material ID:	395578
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	2500.00
Units:	G
Recovered:	1500.00
Oxygenate:	Not reported

Facility ID:	9308261
Facility Type:	ER
Spill Number:	9308261
DER Facility ID:	231175
Site ID:	285083
DEC Region:	9
Closed Date:	1993-11-23
Spill Cause:	Equipment Failure
Spill Class:	C3
SWIS:	1502
Spill Date:	1993-10-05
Investigator:	RMCROSSE
Referred To:	Not reported
Reported to Dept:	1993-10-05
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	1993-11-01
Cleanup Meets Std:	True
Last Inspection:	1993-10-05
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1993-10-08
Spill Record Last Update:	1997-01-02
Spiller Name:	Not reported
Spiller Company:	BUFFALO COLOR
Spiller Address:	100 LEE STREET
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was RMC 10/05/93: (1020 HRS.) KAH ADVISED PJB OF SPILL. (1100 HRS.) KAH CONTACTED ART DOMINO OF ERIE CO. EMERGENCY SERVICES AND NOTIFIED HIM OF SPILL. 10/05/93: RMC/SITE - 469 GAL. LOSS FROM LINE BREAK INSIDE BUILDING. OIL COVERS 50 X 100 FT. AREA OUTSIDE ON BLACKTOP AND GRAVEL LOT AND INSIDE BLDG. ALL FREE PRODUCT IN BUILDING AND ON BLACKTOP RECOVERED. 10/05/93: RMC/SITE - AREA REMEDIATED TO VISUAL CLEAN. NEED DISPOSAL RECEIPTS FOR 240 GALS. LIQUID AND 1 ROLLOFF TO CLOSE. DUE 11/30/93. 11/23/93: RMC/FILE LIQUID REMOVED IN SCHEDULED WASTE OIL PICK UP, RECEIVED DISPOSAL RECEIPT FOR ABSORBANT MATERIALS, NO FURTHER ACTION REQUIRED, CLOSE OUT. "

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Remarks: "RECIRCULATING PUMPING LINE BROKE SPILLING HEAT TRANSFER OIL ONTO FLOOR WITHIN BUILDING #82."

All Materials:

Site ID:	285083
Operable Unit ID:	989794
Operable Unit:	01
Material ID:	394496
Material Code:	1801A
Material Name:	heat transfer oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	469.00
Units:	G
Recovered:	465.00
Oxygenate:	Not reported

Facility ID:	9508314
Facility Type:	ER
Spill Number:	9508314
DER Facility ID:	231175
Site ID:	285084
DEC Region:	9
Closed Date:	1995-10-10
Spill Cause:	Other
Spill Class:	D6
SWIS:	1502
Spill Date:	1995-10-06
Investigator:	PRINGLE
Referred To:	Not reported
Reported to Dept:	1995-10-06
CID:	282
Water Affected:	BUFFALO RIVER
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	1995-10-10
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1995-10-06
Spill Record Last Update:	1997-01-02
Spiller Name:	DAVID SAUER
Spiller Company:	BUFFALO COLOR
Spiller Address:	100 LEE STREET
Spiller Company:	001
Contact Name:	DAVID SAUER
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MNP 10/10/95: MNP INSP. MET W/ DAVID SAUER - BUFFALO COLOR. CONCRETE SHORE WALLALONG BUFFALO RIVER FELL IN RIVER CAUSING OIL SHEEN ON WATER. BRUCE WAGER & USCG ON SITE 10/6/95. I OBSERVED SLIGHT SHEEN. SAUER SAID USCG TOLD OK TO REMOVE BOOMS, I AGREED. BUFFALO COLOR PLANS TO PUT IN RIP-RAP TO PROTECT REMAING CONCRETE WALL. WALL COLLAPSE CAUSE BY HYDRAULIC SURGE WHEN LAKE LEVEL DROPPED SEVERAL FEET DUE TO HIGH WINDS. SOURCE OF OIL UNKNOWN, SUSPECT OIL CAME FROM DISTURBED RIVER SEDIMENTS WHEN WALL FELL IN. NO FURTHER ACTION FROM

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

SPILLS, COMPLETE. 10/17/95: COPY OF SPILL REPORT GIVEN TO DOW. NOTE: FAXED REPORT NOT FOUND UNTIL 10/10/95."

Remarks: "SO THE WALL FELL DOWN APPROX 93 FEET OF IT THAT WAS ALONG THE RIVER DIRT FELL INTO THE RIVER ALSO CLOSER INSPECTION THEY FOUND OIL MIXED IN WITH THE DIRT DEC WAS ALREADY ON THE SCENE INVESTIGATING BOOMS ARE ON ORDER AND A OUTSIDE FIRM IS BEING CONTRACTED TO CLEAN UP THE SPILL"
Not reported

All Materials:

Site ID:	285084
Operable Unit ID:	1022844
Operable Unit:	01
Material ID:	362826
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Facility ID:	9515578
Facility Type:	ER
Spill Number:	9515578
DER Facility ID:	231175
Site ID:	285085
DEC Region:	9
Closed Date:	1996-03-19
Spill Cause:	Other
Spill Class:	C5
SWIS:	1502
Spill Date:	1996-02-27
Investigator:	TEDIEFFE
Referred To:	Not reported
Reported to Dept:	1996-03-04
CID:	312
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1996-03-04
Spill Record Last Update:	1997-01-02
Spiller Name:	DAVE SAUER
Spiller Company:	BUFFALO COLOR
Spiller Address:	100 LEE STREET
Spiller Company:	001
Contact Name:	DAVE SAUER
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was TED 3/4/96 - TED RECEIVED REPORT OF PERMIT EXCEEDANCE OF 25.9 LBS. OF SODIUM CYANIDE DISCHARGED UNDER SPDES PERMIT. REFERRED TO DIVISION OF WATER. NO FURTHER ACTION BY SPILLS NECESSARY."

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Remarks:	"permit exceedance - limit is 33.3 lbs - exceeded by 25.9 lbs total was 59.2 lbs - buffalo sewer authority was advised"

All Materials:

Site ID:	285085
Operable Unit ID:	1030236
Operable Unit:	01
Material ID:	355703
Material Code:	0204A
Material Name:	sodium cyanide (Na(CN))
Case No.:	00143339
Material FA:	Hazardous Material
Quantity:	60.00
Units:	L
Recovered:	.00
Oxygenate:	Not reported

Facility ID:	9611635
Facility Type:	ER
Spill Number:	9611635
DER Facility ID:	231175
Site ID:	285086
DEC Region:	9
Closed Date:	1997-01-06
Spill Cause:	Equipment Failure
Spill Class:	A3
SWIS:	1502
Spill Date:	1996-12-20
Investigator:	PRINGLE
Referred To:	Not reported
Reported to Dept:	1996-12-23
CID:	365
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	1996-12-23
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1996-12-23
Spill Record Last Update:	1997-01-16
Spiller Name:	DAVID SAUER
Spiller Company:	BUFFALO COLOR
Spiller Address:	100 LEE STREET
Spiller Company:	001
Contact Name:	DAVID SAUER
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MNP ********** NOTE: SPILL OCCURRED ON 12/20/96, BUT WAS NOT REPORTED TO NYSDEC UNTIL 12/23/96. ********** 12/23/96: COPY OF SPILL REPORT TO BRUCE WAGER - DOW. 12/23/96: MNP RESPONSE. MET W/ DAVID SAUER - BUFFALO COLOR. NO EXTERNAL SPILL OUTSIDE OF PIPING AT THE PLANT, ONLY A DISCHARGE TO BSA DUE TO A CONTROL DEVICE BEING TURNED OFF. SAUER SAID THE DISCHARGE CONTINUED

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

FOR 4 HOURS UNTIL DISCOVERED WHEN AN ALARM INDICATED A LOW LEVEL IN THE PRODUCT TANK. HE SAID OTHER FACTORS, SUCH AS A BYPASS IN THE SPEDES MONITORING SYSTEM CONTRIBUTED TO THE DELAY IN DETECTING THE RELEASE SOONER. SAUER WILL SEND AN INCIDENT REPORT TO NYSDEC - BRUCE WAGER (M2P2 SITE COORDINATOR). 12/27/96: MEMO FROM PJB TO FILE SUMMARIZING A CONFERENCE CALL HE HAD W/ BRUCE WAGER - DOW & DAVID SAUER - BUFFALO COLOR. 12/30/96: MEMO FROM RNL TO PJB & ABBY SNYDER. INQUIRING WHETHER TO PURSUE LEGAL ACTION FOR VIOLATION TO REPORT SPILL AS PER CBS REGULATIONS. 01/06/97: MNP & RNL DISCUSSION, NO FURTHER ACTION NEEDED BY SPILL UNIT, COMPLETE. 09/25/97: RECEIVED COPY OF SIGNED CONSENT ORDER & COVER LETTER TO BUFFALO COLOR. A $4,000.00 FINE DUE BY 9/17/97."

Remarks: "PROBLEM WITH A CONTROL DEVICE CAUSED SPILL RECOVERED 7565 LBS OF SPILL THE REST WENT INTO SEWER AND WENT TO BUFFALO SEWER AUTHORITY SEWER AUTHORITY NEUTRALIZED IT ON THEIR END"

All Materials:

Site ID:	285086
Operable Unit ID:	1039583
Operable Unit:	01
Material ID:	340291
Material Code:	0039A
Material Name:	sulfuric acid
Case No.:	07664939
Material FA:	Hazardous Material
Quantity:	18913.00
Units:	L
Recovered:	7565.00
Oxygenate:	Not reported

Facility ID:	9614109
Facility Type:	ER
Spill Number:	9614109
DER Facility ID:	231175
Site ID:	285087
DEC Region:	9
Closed Date:	1997-03-06
Spill Cause:	Human Error
Spill Class:	C4
SWIS:	1502
Spill Date:	1997-03-04
Investigator:	COOKE
Referred To:	Not reported
Reported to Dept:	1997-03-04
CID:	282
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	1997-03-06
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1997-03-04
Spill Record Last Update:	1997-03-14
Spiller Name:	DAVID SAUER

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Spiller Company:	BUFFALO COLOR
Spiller Address:	100 LEE STREET
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was JDC 3/5/97: JDC MET W/ BRUCE WAGER, DOW, HE IS INVESTIGATING INCIDENT WITH BUFFALO COLOR. BACKUP OCCURED IN BSA SEWER SYSTEM CAUSING BACKUP AT BUFFALO COLOR OUTFALL. AS A RESULT THE DAILY OUTFALL TESTING WAS ELEVATED WITH AMMONIA. FORWARD A COPY OF THE DOW REPORT TO COAST GUARD. NO FURTHER ACTION REQUIRED BY SPILLS, FILE CLOSED."
Remarks:	"TWO PARTIES ARE RESPONSIBLE FOR SPILL.BUFFLAO SEWER WATER WAS BACKING UP INTO THERE COMPLEX CAUSING THE SPILL. THEY DIVERTED THERE PROCESS FLOW INTO DIFFERENT TANKS.THEY ARE LOOKING INTO MAKING A BYPASS TILL THEY GET THE SEWER FIXED."

All Materials:

Site ID:	285087
Operable Unit ID:	1045543
Operable Unit:	01
Material ID:	553502
Material Code:	0025A
Material Name:	ammonia
Case No.:	07664417
Material FA:	Hazardous Material
Quantity:	150.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Facility ID:	9709933
Facility Type:	ER
Spill Number:	9709933
DER Facility ID:	231175
Site ID:	285088
DEC Region:	9
Closed Date:	1997-11-26
Spill Cause:	Unknown
Spill Class:	D4
SWIS:	1502
Spill Date:	1997-11-26
Investigator:	BRENNAN
Referred To:	Not reported
Reported to Dept:	1997-11-26
CID:	257
Water Affected:	BUFFALO RIVER
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1997-11-26
Spill Record Last Update:	1997-12-12
Spiller Name:	DAVID SAUER
Spiller Company:	BUFFALO COLOR CORP

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Spiller Address: 100 LEE STREET
Spiller Company: 001
Contact Name: DAVID SAUER
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was KAB 11/18/97 DAVE SAUER WITH BUFFALO COLOR CALLED AND SAID THAT THERE IS MORE THAN ONE POUND OF ANILINE AND WANTS TO UPDATE THE SPILL FILE. HE SAID THAT BRUCE WAGER IS AWARE OF THE SPILL. MR. SAUER WILL PROVIDE ADDITIONAL UPDATES REGARDING EXACT QUANTITIES OF PHENOL AND ANILINE. 11/26/97 - KAB REFERRED INCIDENT TO BRUCE WAGER, DIVISION OF WATER. NO ACTION NECESSARY BY SPILLS UNIT. CLOSE OUT."
Remarks: "results of a test caller is not sure if there was any release only that test results came back above amount permitted there might have been some interferance with the test - they are still investigating"

All Materials:
Site ID: 285088
Operable Unit ID: 1056313
Operable Unit: 01
Material ID: 328263
Material Code: 2020A
Material Name: aniline
Case No.: 00062533
Material FA: Hazardous Material
Quantity: 1.00
Units: L
Recovered: .00
Oxygenate: Not reported

Site ID: 285088
Operable Unit ID: 1056313
Operable Unit: 01
Material ID: 328262
Material Code: 0036B
Material Name: carbolic acid
Case No.: 00108952
Material FA: Hazardous Material
Quantity: .00
Units: G
Recovered: .00
Oxygenate: Not reported

Facility ID: 9802620
Facility Type: ER
Spill Number: 9802620
DER Facility ID: 231175
Site ID: 285089
DEC Region: 9
Closed Date: 1998-06-05
Spill Cause: Equipment Failure
Spill Class: C5
SWIS: 1502
Spill Date: 1998-05-29
Investigator: BRENNAN
Referred To: Not reported
Reported to Dept: 1998-05-29
CID: 322
Water Affected: BUFFALO RIVER

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1998-05-29
Spill Record Last Update:	1998-07-09
Spiller Name:	DAVID SAUER
Spiller Company:	BUFFALO COLOR
Spiller Address:	100 LEE STREET
Spiller Company:	001
Contact Name:	DAVID SAUER
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was KAB 6/5/98 - KAB RECEIVED REPORT OF 1.6 OF ANOLINE IN OUTFALL OF RIVER ON 5/29/98. GAVE REPORT TO BRUCE WAGER FOR FOLLOW-UP. NO FURTHER ACTION BY SPILLS NECESSARY."
Remarks:	"caller recieved lab test results from may 5th 1998 and they 1.6 of anoline in the outfall of river "

All Materials:

Site ID:	285089
Operable Unit ID:	1063274
Operable Unit:	01
Material ID:	320943
Material Code:	0674A
Material Name:	anoline oil
Case No.:	Not reported
Material FA:	Other
Quantity:	2.00
Units:	L
Recovered:	.00
Oxygenate:	Not reported

Facility ID:	9810223
Facility Type:	ER
Spill Number:	9810223
DER Facility ID:	231175
Site ID:	285090
DEC Region:	9
Closed Date:	1999-06-14
Spill Cause:	Human Error
Spill Class:	B3
SWIS:	1502
Spill Date:	1998-11-13
Investigator:	JFOTTO
Referred To:	Not reported
Reported to Dept:	1998-11-13
CID:	270
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	1998-11-13

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1998-11-13
Spill Record Last Update:	2002-03-12
Spiller Name:	DAVID SAUER
Spiller Company:	BUFFALO COLOR
Spiller Address:	100 LEE STREET
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was JFO 11/13/98: JFO ON SITE, MET DAVE SAUER. HE ESTIMATES THAT 1000 LBS SPILLED ON THE ROOF OF BUILDING FROM THE VENT PIPE AND CRYSTALIZED. THIS MATERIAL WAS PICKED UP AND PLACED IN TWO DRUMS, ONE MORE DRUM WILL BE USED, THE REST OF PRODUCT WAS DIVERTED TO SHUNT TANK. I NOTIFIED LARRY STITZMAN OF AIR, BRUCE WAGER OF DOW ACCOMPANIED ME ON THE INSPECTION. ALSO ON SITE WAS BSA, DENNIS YOUNG WHO SAMPLED THE WATER AND FOUND THE PH AT 10.0 TO 10.3. MR SAUER WILL SEND IN A COPY OF THE REPORT AND DISPOSAL RECEIPTS. 03/02/99: JFO TELECON TO DAVE SAUER FOR REPORT. NOT IN, LEFT MESSAGE ON MACHINE. 06/04/99: JFO RECEIVED REPORT FROM DAVE SAUER. 06/07/99: JFO TELECON TO DAVE SAUER TO INQUIRE ABOUT DISPOSAL RECEIPTS. HE STATED ALL PRODUCT SPILLED WENT TO BSA OR WAS DIVERTED TO CONTROL TANK. NOTHING ELSE DISPOSED. NO FURTHER ACTION REQUIRED. CLOSED"
Remarks:	"EMPLOYEE OVERFILLED TANK CAUSING BACK PRESSURE CAUSING SPILL, SOME WENT INTO A SEWER"

All Materials:

Site ID:	285090
Operable Unit ID:	1067499
Operable Unit:	01
Material ID:	314095
Material Code:	0182A
Material Name:	maleic anhydride
Case No.:	00108316
Material FA:	Hazardous Material
Quantity:	6835.00
Units:	L
Recovered:	6835.00
Oxygenate:	Not reported

AIRS:

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	502FP
Contaminant Name/cas:	PM25-PRI
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.15339232
Unit:	TON
Auth Type Code:	Not reported

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	UFAC01
Process Id:	X24EI
Contaminant Name/cas:	PM25-PRI
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.17440852
Unit:	TON
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	UFAC01
Process Id:	X24EI
Contaminant Name/cas:	VOC
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.12622499
Unit:	TON
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	UFAC01
Process Id:	X24EI
Contaminant Name/cas:	SO2
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.1905
Unit:	TON
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	UFAC01
Process Id:	X24EI
Contaminant Name/cas:	PM10-PRI
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.17440499
Unit:	TON
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	UFAC01
Process Id:	X24EI
Contaminant Name/cas:	NOX
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	3.4455
Unit:	TON
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	UFAC01
Process Id:	X24EI
Contaminant Name/cas:	CO
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	2.823
Unit:	TON
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	UFAC01
Process Id:	X24EI
Contaminant Name/cas:	7439921

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 0.02
Unit: LB
Auth Type Code: Not reported
Latitude: Not reported
Longitude: Not reported

Permit Type: Not reported
Permit Status: Not reported
Issue Date: Not reported
Expiration Date: Not reported
County Fips: 36029
DEC Id: 9140200076
Emission Unit Id: EI0001
Process Id: MISEI
Contaminant Name/cas: PM-PRI
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 0.015
Unit: TON
Auth Type Code: Not reported
Latitude: Not reported
Longitude: Not reported

Permit Type: Not reported
Permit Status: Not reported
Issue Date: Not reported
Expiration Date: Not reported
County Fips: 36029
DEC Id: 9140200076
Emission Unit Id: EI0001
Process Id: MISEI
Contaminant Name/cas: NH3
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 4
Unit: LB
Auth Type Code: Not reported
Latitude: Not reported
Longitude: Not reported

Permit Type: Not reported
Permit Status: Not reported
Issue Date: Not reported
Expiration Date: Not reported
County Fips: 36029
DEC Id: 9140200076
Emission Unit Id: EI0001
Process Id: MISEI
Contaminant Name/cas: 78933
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 5
Unit: LB
Auth Type Code: Not reported
Latitude: Not reported

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Longitude:	Not reported
Permit Type:	ATV
Permit Status:	Expired
Issue Date:	06/12/2002
Expiration Date:	06/12/2007
County Fips:	Not reported
DEC Id:	9140200076
Emission Unit Id:	Not reported
Process Id:	Not reported
Contaminant Name/cas:	Not reported
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	Not reported
Unit:	Not reported
Auth Type Code:	7
Latitude:	78.840950548
Longitude:	42.864778309
Permit Type:	ATV
Permit Status:	Expired
Issue Date:	10/23/2002
Expiration Date:	06/12/2007
County Fips:	Not reported
DEC Id:	9140200076
Emission Unit Id:	Not reported
Process Id:	Not reported
Contaminant Name/cas:	Not reported
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	Not reported
Unit:	Not reported
Auth Type Code:	7
Latitude:	78.840950548
Longitude:	42.864778309
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	EI0001
Process Id:	MISEI
Contaminant Name/cas:	7647010
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	EI0001
Process Id:	MISEI
Contaminant Name/cas:	71432
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	1
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	EI0001
Process Id:	MISEI
Contaminant Name/cas:	67561
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	5
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	EI0001
Process Id:	MISEI
Contaminant Name/cas:	50000
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	1
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	EI0001
Process Id:	MISEI
Contaminant Name/cas:	1330207
Epa Control Code:	Not reported

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Contol Eff:	Not reported
Emissions:	4
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	EI0001
Process Id:	MISEI
Contaminant Name/cas:	108907
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	1
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	EI0001
Process Id:	MISEI
Contaminant Name/cas:	100414
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	2
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	502FP
Contaminant Name/cas:	SO2
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.1685
Unit:	TON
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	502FP
Contaminant Name/cas:	PM10-PRI
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.15338999
Unit:	TON
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	502FP
Contaminant Name/cas:	NOX
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	2.966
Unit:	TON
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	4FLARE
Process Id:	401FP
Contaminant Name/cas:	108883
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	14
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Emission Unit Id:	4FLARE
Process Id:	401FP
Contaminant Name/cas:	108316
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	10
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	4FLARE
Process Id:	401FP
Contaminant Name/cas:	106990
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	3
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	4FLARE
Process Id:	401FP
Contaminant Name/cas:	100414
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	4
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	3INDGO
Process Id:	303FP
Contaminant Name/cas:	PM-PRI
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	9.8635

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Unit:	TON
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	3INDGO
Process Id:	303FP
Contaminant Name/cas:	NH3
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	218442
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	3INDGO
Process Id:	303FP
Contaminant Name/cas:	74908
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	3INDGO
Process Id:	303FP
Contaminant Name/cas:	71432
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	39
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	3INDGO
Process Id:	303FP
Contaminant Name/cas:	67561
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	3510
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	3INDGO
Process Id:	303FP
Contaminant Name/cas:	62533
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	10049
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	3INDGO
Process Id:	303FP
Contaminant Name/cas:	50000
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	207
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	3INDGO

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Process Id:	303FP
Contaminant Name/cas:	143339
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	10
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	3INDGO
Process Id:	303FP
Contaminant Name/cas:	108883
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	197
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	2ANHYD
Process Id:	203FP
Contaminant Name/cas:	PM-PRI
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.5095
Unit:	TON
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	2ANHYD
Process Id:	203FP
Contaminant Name/cas:	NH3
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	92
Unit:	LB

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Auth Type Code: Not reported
Latitude: Not reported
Longitude: Not reported

Permit Type: Not reported
Permit Status: Not reported
Issue Date: Not reported
Expiration Date: Not reported
County Fips: 36029
DEC Id: 9140200076
Emission Unit Id: 2ANHYD
Process Id: 203FP
Contaminant Name/cas: 71432
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 4
Unit: LB
Auth Type Code: Not reported
Latitude: Not reported
Longitude: Not reported

Permit Type: Not reported
Permit Status: Not reported
Issue Date: Not reported
Expiration Date: Not reported
County Fips: 36029
DEC Id: 9140200076
Emission Unit Id: 2ANHYD
Process Id: 203FP
Contaminant Name/cas: 1330207
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 43
Unit: LB
Auth Type Code: Not reported
Latitude: Not reported
Longitude: Not reported

Permit Type: Not reported
Permit Status: Not reported
Issue Date: Not reported
Expiration Date: Not reported
County Fips: 36029
DEC Id: 9140200076
Emission Unit Id: 2ANHYD
Process Id: 203FP
Contaminant Name/cas: 108883
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 77
Unit: LB
Auth Type Code: Not reported
Latitude: Not reported
Longitude: Not reported

Permit Type: Not reported
Permit Status: Not reported

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	2ANHYD
Process Id:	203FP
Contaminant Name/cas:	108316
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	57
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	2ANHYD
Process Id:	203FP
Contaminant Name/cas:	100414
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	24
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	1ALKAN
Process Id:	103FP
Contaminant Name/cas:	7664382
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	1ALKAN
Process Id:	103FP

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Contaminant Name/cas:	67561
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	1ALKAN
Process Id:	103FP
Contaminant Name/cas:	62533
Epa Control Code:	019
Contol Eff:	98
Emissions:	12
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	1ALKAN
Process Id:	103FP
Contaminant Name/cas:	121697
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	502FP
Contaminant Name/cas:	NH3
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	129.919998
Unit:	LB
Auth Type Code:	Not reported

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	502FP
Contaminant Name/cas:	CO
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	2.519
Unit:	TON
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	502FP
Contaminant Name/cas:	91203
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.01
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	502FP
Contaminant Name/cas:	86737
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0001
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	502FP
Contaminant Name/cas:	85018
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0005
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	502FP
Contaminant Name/cas:	83329
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0001
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	502FP
Contaminant Name/cas:	7782492
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.001
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	502FP
Contaminant Name/cas:	7440484

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0034
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	502FP
Contaminant Name/cas:	7440473
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.05
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	502FP
Contaminant Name/cas:	7440439
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.03999999
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	502FP
Contaminant Name/cas:	7440417
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0005
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Longitude: Not reported

Permit Type: Not reported
Permit Status: Not reported
Issue Date: Not reported
Expiration Date: Not reported
County Fips: 36029
DEC Id: 9140200076
Emission Unit Id: 5BOILR
Process Id: 502FP
Contaminant Name/cas: 7440382
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 0.0081
Unit: LB
Auth Type Code: Not reported
Latitude: Not reported
Longitude: Not reported

Permit Type: Not reported
Permit Status: Not reported
Issue Date: Not reported
Expiration Date: Not reported
County Fips: 36029
DEC Id: 9140200076
Emission Unit Id: 5BOILR
Process Id: 502FP
Contaminant Name/cas: 7440020
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 0.07999999
Unit: LB
Auth Type Code: Not reported
Latitude: Not reported
Longitude: Not reported

Permit Type: Not reported
Permit Status: Not reported
Issue Date: Not reported
Expiration Date: Not reported
County Fips: 36029
DEC Id: 9140200076
Emission Unit Id: 5BOILR
Process Id: 502FP
Contaminant Name/cas: 7439976
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 0.01
Unit: LB
Auth Type Code: Not reported
Latitude: Not reported
Longitude: Not reported

Permit Type: Not reported
Permit Status: Not reported
Issue Date: Not reported
Expiration Date: Not reported

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	502FP
Contaminant Name/cas:	7439965
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.01
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	502FP
Contaminant Name/cas:	7439921
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.02
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	502FP
Contaminant Name/cas:	71432
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.05
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	502FP
Contaminant Name/cas:	56553
Epa Control Code:	Not reported

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Contol Eff:	Not reported
Emissions:	0
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	502FP
Contaminant Name/cas:	50328
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	502FP
Contaminant Name/cas:	50000
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	2.03999996
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	502FP
Contaminant Name/cas:	218019
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	502FP
Contaminant Name/cas:	207089
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	502FP
Contaminant Name/cas:	206440
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0001
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	502FP
Contaminant Name/cas:	205992
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0001
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Emission Unit Id:	5BOILR
Process Id:	502FP
Contaminant Name/cas:	191242
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	502FP
Contaminant Name/cas:	129000
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0002
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	502FP
Contaminant Name/cas:	120127
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0001
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	502FP
Contaminant Name/cas:	110543
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	49.1199989

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	502FP
Contaminant Name/cas:	108883
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.09
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	501FP
Contaminant Name/cas:	VOC
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.408595
Unit:	TON
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	501FP
Contaminant Name/cas:	SO2
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	296.117
Unit:	TON
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	501FP
Contaminant Name/cas:	PM-PRI
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	14.6586796
Unit:	TON
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	501FP
Contaminant Name/cas:	NOX
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	67.536
Unit:	TON
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	501FP
Contaminant Name/cas:	NH3
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	2976.08007
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Process Id:	501FP
Contaminant Name/cas:	CO
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	185.259
Unit:	TON
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	501FP
Contaminant Name/cas:	91203
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	1.59000003
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	501FP
Contaminant Name/cas:	7782492
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.14
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	501FP
Contaminant Name/cas:	7440417
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.01
Unit:	LB

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Auth Type Code: Not reported
Latitude: Not reported
Longitude: Not reported

Permit Type: Not reported
Permit Status: Not reported
Issue Date: Not reported
Expiration Date: Not reported
County Fips: 36029
DEC Id: 9140200076
Emission Unit Id: 5BOILR
Process Id: 501FP
Contaminant Name/cas: 7439976
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 0.25
Unit: LB
Auth Type Code: Not reported
Latitude: Not reported
Longitude: Not reported

Permit Type: Not reported
Permit Status: Not reported
Issue Date: Not reported
Expiration Date: Not reported
County Fips: 36029
DEC Id: 9140200076
Emission Unit Id: 5BOILR
Process Id: 501FP
Contaminant Name/cas: 7439921
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 5.61000013
Unit: LB
Auth Type Code: Not reported
Latitude: Not reported
Longitude: Not reported

Permit Type: Not reported
Permit Status: Not reported
Issue Date: Not reported
Expiration Date: Not reported
County Fips: 36029
DEC Id: 9140200076
Emission Unit Id: 5BOILR
Process Id: 501FP
Contaminant Name/cas: 71432
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 4.09000015
Unit: LB
Auth Type Code: Not reported
Latitude: Not reported
Longitude: Not reported

Permit Type: Not reported
Permit Status: Not reported

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	501FP
Contaminant Name/cas:	50000
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	158.100006
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	501FP
Contaminant Name/cas:	218019
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0005
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	501FP
Contaminant Name/cas:	206440
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0007
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	501FP

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Contaminant Name/cas:	1330207
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	27.8999996
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	5BOILR
Process Id:	501FP
Contaminant Name/cas:	108883
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	32.7299995
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	4FLARE
Process Id:	401FP
Contaminant Name/cas:	SO2
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0285
Unit:	TON
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	4FLARE
Process Id:	401FP
Contaminant Name/cas:	NOX
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	1.5295
Unit:	TON
Auth Type Code:	Not reported

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	4FLARE
Process Id:	401FP
Contaminant Name/cas:	CO
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.6265
Unit:	TON
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	4FLARE
Process Id:	401FP
Contaminant Name/cas:	71432
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	1
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	4FLARE
Process Id:	401FP
Contaminant Name/cas:	67561
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	4FLARE
Process Id:	401FP
Contaminant Name/cas:	62533
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	1
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	4FLARE
Process Id:	401FP
Contaminant Name/cas:	1330207
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	8
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200076
Emission Unit Id:	4FLARE
Process Id:	401FP
Contaminant Name/cas:	121697
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

NY MANIFEST:

Country:	USA
EPA ID:	NYD080335052
Facility Status:	Not reported
Location Address 1:	100 LEE STREET
Code:	BP
Location Address 2:	Not reported
Total Tanks:	Not reported
Location City:	BUFFALO

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Location State: NY
Location Zip: 14210
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYD080335052
Mailing Name: SOUTH BUFFALO DEVELOPMENT LLC
Mailing Contact: JAMES A GOUCK
Mailing Address 1: 100 LEE ST
Mailing Address 2: Not reported
Mailing City: BUFFALO
Mailing State: NY
Mailing Zip: 14210
Mailing Zip 4: 2100
Mailing Country: USA
Mailing Phone: 7168274527

SPDES:

Permit Number: NY0002470
State-Region: 09
Expiration Date: 06/01/2008
Current Major Minor Status: Major
Primary Facility SIC Code: Not reported
State Water Body Name: BUFFALO R
Limit Set Status Flag: Active
Total Actual Average Flow(MGD): 10.5
Total App Design Flow(MGD): Not reported
UDF1: HLD
Lat/Long: 42.865056 / -78.839972
DMR Cognizant Official: GORDON G BOLLES, JR
UDF2: 000103
UDF3: C
FIPS County Code: NY029

Non-Gov Permit Affiliation Type Desc: DMR Mailing Address
Non-Gov Permit Org Formal Name: BUFFALO COLOR CORP
Non-Gov Permit Street Address: BUFFALO COLOR CORP
Non-Gov Permit Supplemental Location: 100 LEE STREET
Non-Gov Permit City: BUFFALO
Non-Gov Permit State Code: NY
Non-Gov Permit Zip Code: 142102100
Non-Gov Facility Affiliation Type Desc: Mailing Address
Non-Gov Facility Org Formal Name: BUFFALO COLOR CORP
Non-Gov Facility Street Address: BUFFALO COLOR CORP
Non-Gov Facility Supplemental Location: 100 LEE STREET
Non-Gov Facility City: BUFFALO
Non-Gov Facility State Code: NY
Non-Gov Facility Zip Code: 142102110
State Water Body: 04120103070

UDF2: 000103
UDF3: C
FIPS County Code: NY029

Non-Gov Permit Affiliation Type Desc: DMR Mailing Address

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

Non-Gov Permit Org Formal Name:	BUFFALO COLOR CORP
Non-Gov Permit Street Address:	BUFFALO COLOR CORP
Non-Gov Permit Supplemental Location:	100 LEE STREET
Non-Gov Permit City:	BUFFALO
Non-Gov Permit State Code:	NY
Non-Gov Permit Zip Code:	142102100
Non-Gov Facility Affiliation Type Desc:	Owner
Non-Gov Facility Org Formal Name:	BUFFALO COLOR CORP
Non-Gov Facility Street Address:	BUFFALO COLOR CORP
Non-Gov Facility Supplemental Location:	100 LEE STREET
Non-Gov Facility City:	BUFFALO
Non-Gov Facility State Code:	NY
Non-Gov Facility Zip Code:	142102100
State Water Body:	04120103070
UDF2:	000103
UDF3:	C
FIPS County Code:	NY029
Non-Gov Permit Affiliation Type Desc:	Permittee
Non-Gov Permit Org Formal Name:	BUFFALO COLOR CORP
Non-Gov Permit Street Address:	100 LEE STREET
Non-Gov Permit Supplemental Location:	Not reported
Non-Gov Permit City:	BUFFALO
Non-Gov Permit State Code:	NY
Non-Gov Permit Zip Code:	142102110
Non-Gov Facility Affiliation Type Desc:	Mailing Address
Non-Gov Facility Org Formal Name:	BUFFALO COLOR CORP
Non-Gov Facility Street Address:	BUFFALO COLOR CORP
Non-Gov Facility Supplemental Location:	100 LEE STREET
Non-Gov Facility City:	BUFFALO
Non-Gov Facility State Code:	NY
Non-Gov Facility Zip Code:	142102110
State Water Body:	04120103070
UDF2:	000103
UDF3:	C
FIPS County Code:	NY029
Non-Gov Permit Affiliation Type Desc:	Permittee
Non-Gov Permit Org Formal Name:	BUFFALO COLOR CORP
Non-Gov Permit Street Address:	100 LEE STREET
Non-Gov Permit Supplemental Location:	Not reported
Non-Gov Permit City:	BUFFALO
Non-Gov Permit State Code:	NY
Non-Gov Permit Zip Code:	142102110
Non-Gov Facility Affiliation Type Desc:	Owner
Non-Gov Facility Org Formal Name:	BUFFALO COLOR CORP
Non-Gov Facility Street Address:	BUFFALO COLOR CORP
Non-Gov Facility Supplemental Location:	100 LEE STREET
Non-Gov Facility City:	BUFFALO
Non-Gov Facility State Code:	NY
Non-Gov Facility Zip Code:	142102100
State Water Body:	04120103070
UDF2:	000103
UDF3:	C

BUFFALO COLOR PLANT SITE (Continued) **1004566668**

FIPS County Code:	NY029
Non-Gov Permit Affiliation Type Desc:	Not reported
Non-Gov Permit Org Formal Name:	Not reported
Non-Gov Permit Street Address:	Not reported
Non-Gov Permit Supplemental Location:	Not reported
Non-Gov Permit City:	Not reported
Non-Gov Permit State Code:	Not reported
Non-Gov Permit Zip Code:	Not reported
Non-Gov Facility Affiliation Type Desc:	Mailing Address
Non-Gov Facility Org Formal Name:	BUFFALO COLOR CORP
Non-Gov Facility Street Address:	BUFFALO COLOR CORP
Non-Gov Facility Supplemental Location:	100 LEE STREET
Non-Gov Facility City:	BUFFALO
Non-Gov Facility State Code:	NY
Non-Gov Facility Zip Code:	142102110
State Water Body:	04120103070
UDF2:	000103
UDF3:	C
FIPS County Code:	NY029
Non-Gov Permit Affiliation Type Desc:	Not reported
Non-Gov Permit Org Formal Name:	Not reported
Non-Gov Permit Street Address:	Not reported
Non-Gov Permit Supplemental Location:	Not reported
Non-Gov Permit City:	Not reported
Non-Gov Permit State Code:	Not reported
Non-Gov Permit Zip Code:	Not reported
Non-Gov Facility Affiliation Type Desc:	Owner
Non-Gov Facility Org Formal Name:	BUFFALO COLOR CORP
Non-Gov Facility Street Address:	BUFFALO COLOR CORP
Non-Gov Facility Supplemental Location:	100 LEE STREET
Non-Gov Facility City:	BUFFALO
Non-Gov Facility State Code:	NY
Non-Gov Facility Zip Code:	142102100
State Water Body:	04120103070

Q78 **BUFFALO COLOR CORP LLC** **CORRACTS** **1000227743**
SE **100 LEE ST** **RCRA-TSDF** **NYD080335052**
1/2-1 **BUFFALO, NY 14210** **RCRA-LQG**
0.855 mi. **US ENG CONTROLS**
4516 ft. **Site 2 of 5 in cluster Q** **US INST CONTROL**
2020 COR ACTION
Relative: **RAATS**
Higher **ICIS**
Actual: **FINDS**
589 ft. **ECHO**
NJ MANIFEST

CORRACTS:

EPA ID:	NYD080335052
EPA Region:	2
Area Name:	SITEWIDE
Actual Date:	19800601
Action:	CA772ID
NAICS Code(s):	325192 325188 325132 32511

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Cyclic Crude and Intermediate Manufacturing
All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing
Petrochemical Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD080335052
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19860404
Action: CA050 - RFA Completed
NAICS Code(s): 325192 325188 325132 32511
Cyclic Crude and Intermediate Manufacturing
All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing
Petrochemical Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD080335052
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19980304
Action: CA155 - RFI Supplemental Information Requested By Agency
NAICS Code(s): 325192 325188 325132 32511
Cyclic Crude and Intermediate Manufacturing
All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing
Petrochemical Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD080335052
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19950705
Action: CA110 - RFI Workplan Received
NAICS Code(s): 325192 325188 325132 32511
Cyclic Crude and Intermediate Manufacturing
All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing
Petrochemical Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD080335052
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19990706
Action: CA300 - CMS Workplan Approved
NAICS Code(s): 325192 325188 325132 32511
Cyclic Crude and Intermediate Manufacturing
All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing
Petrochemical Manufacturing
Original schedule date: Not reported

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Schedule end date: Not reported

EPA ID: NYD080335052
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19970306
Action: CA170 - RFI Supplemental Information Deemed Satisfactory
NAICS Code(s): 325192 325188 325132 32511
Cyclic Crude and Intermediate Manufacturing
All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing
Petrochemical Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD080335052
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19980707
Action: CA170 - RFI Supplemental Information Deemed Satisfactory
NAICS Code(s): 325192 325188 325132 32511
Cyclic Crude and Intermediate Manufacturing
All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing
Petrochemical Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD080335052
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19960208
Action: CA145
NAICS Code(s): 325192 325188 325132 32511
Cyclic Crude and Intermediate Manufacturing
All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing
Petrochemical Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD080335052
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19950210
Action: CA772EP
NAICS Code(s): 325192 325188 325132 32511
Cyclic Crude and Intermediate Manufacturing
All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing
Petrochemical Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD080335052
EPA Region: 2
Area Name: SITEWIDE

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Actual Date: 20000710
Action: CA350 - CMS Approved
NAICS Code(s): 325192 325188 325132 32511
Cyclic Crude and Intermediate Manufacturing
All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing
Petrochemical Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD080335052
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 20050510
Action: CA410 - Date To Submit Remedy Design
NAICS Code(s): 325192 325188 325132 32511
Cyclic Crude and Intermediate Manufacturing
All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing
Petrochemical Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD080335052
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19971113
Action: CA190 - RFI Report Received
NAICS Code(s): 325192 325188 325132 32511
Cyclic Crude and Intermediate Manufacturing
All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing
Petrochemical Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD080335052
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19870215
Action: CA100 - RFI Imposition
NAICS Code(s): 325192 325188 325132 32511
Cyclic Crude and Intermediate Manufacturing
All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing
Petrochemical Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD080335052
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 20050915
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 325192 325188 325132 32511
Cyclic Crude and Intermediate Manufacturing

BUFFALO COLOR CORP LLC (Continued) **1000227743**

All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing
Petrochemical Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD080335052
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19950915
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 325192 325188 325132 32511
Cyclic Crude and Intermediate Manufacturing
All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing
Petrochemical Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD080335052
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19950915
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 325192 325188 325132 32511
Cyclic Crude and Intermediate Manufacturing
All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing
Petrochemical Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD080335052
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19961216
Action: CA170 - RFI Supplemental Information Deemed Satisfactory
NAICS Code(s): 325192 325188 325132 32511
Cyclic Crude and Intermediate Manufacturing
All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing
Petrochemical Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD080335052
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19920316
Action: CA225YE - Stabilization Measures Evaluation, This facility ,is amenable to stabilization activity based on the, status of corrective action work at the facility, technical factors, the degree of risk, timing considerations and administrative considerations
NAICS Code(s): 325192 325188 325132 32511
Cyclic Crude and Intermediate Manufacturing
All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Petrochemical Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD080335052
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19920316
Action: CA225 - Stabilization Measures Evaluation
NAICS Code(s): 325192 325188 325132 32511
Cyclic Crude and Intermediate Manufacturing
All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing
Petrochemical Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD080335052
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19990517
Action: CA260 - CMS Workplan Received
NAICS Code(s): 325192 325188 325132 32511
Cyclic Crude and Intermediate Manufacturing
All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing
Petrochemical Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD080335052
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19990319
Action: CA600GW - Stabilization Measures Implemented, Groundwater extraction and treatment
NAICS Code(s): 325192 325188 325132 32511
Cyclic Crude and Intermediate Manufacturing
All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing
Petrochemical Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD080335052
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19990319
Action: CA250 - CMS Imposition
NAICS Code(s): 325192 325188 325132 32511
Cyclic Crude and Intermediate Manufacturing
All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing
Petrochemical Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

BUFFALO COLOR CORP LLC (Continued) **1000227743**

EPA ID: NYD080335052
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19990319
Action: CA200 - RFI Approved
NAICS Code(s): 325192 325188 325132 32511
Cyclic Crude and Intermediate Manufacturing
All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing
Petrochemical Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD080335052
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19920520
Action: CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary
NAICS Code(s): 325192 325188 325132 32511
Cyclic Crude and Intermediate Manufacturing
All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing
Petrochemical Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD080335052
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19970121
Action: CA160 - RFI Supplemental Information Received
NAICS Code(s): 325192 325188 325132 32511
Cyclic Crude and Intermediate Manufacturing
All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing
Petrochemical Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD080335052
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19960321
Action: CA180 - RFI Supplemental Implementation Begun
NAICS Code(s): 325192 325188 325132 32511
Cyclic Crude and Intermediate Manufacturing
All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing
Petrochemical Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD080335052
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 20150223
Action: CA550RC

BUFFALO COLOR CORP LLC (Continued) **1000227743**

NAICS Code(s): 325192 325188 325132 32511
Cyclic Crude and Intermediate Manufacturing
All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing
Petrochemical Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD080335052
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19981224
Action: CA190 - RFI Report Received
NAICS Code(s): 325192 325188 325132 32511
Cyclic Crude and Intermediate Manufacturing
All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing
Petrochemical Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD080335052
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19981224
Action: CA190 - RFI Report Received
NAICS Code(s): 325192 325188 325132 32511
Cyclic Crude and Intermediate Manufacturing
All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing
Petrochemical Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD080335052
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19981224
Action: CA190 - RFI Report Received
NAICS Code(s): 325192 325188 325132 32511
Cyclic Crude and Intermediate Manufacturing
All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing
Petrochemical Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD080335052
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 20150224
Action: CA800YE
NAICS Code(s): 325192 325188 325132 32511
Cyclic Crude and Intermediate Manufacturing
All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing
Petrochemical Manufacturing

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD080335052
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 20050325
Action: CA380 - Date For Public Notice On Proposed Remedy
NAICS Code(s): 325192 325188 325132 32511
Cyclic Crude and Intermediate Manufacturing
All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing
Petrochemical Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD080335052
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 20050325
Action: CA400 - Date For Remedy Selection (CM Imposed)
NAICS Code(s): 325192 325188 325132 32511
Cyclic Crude and Intermediate Manufacturing
All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing
Petrochemical Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD080335052
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 20050325
Action: CA450 - Corrective Measures Design Approved
NAICS Code(s): 325192 325188 325132 32511
Cyclic Crude and Intermediate Manufacturing
All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing
Petrochemical Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD080335052
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 20050325
Action: CA770GW
NAICS Code(s): 325192 325188 325132 32511
Cyclic Crude and Intermediate Manufacturing
All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing
Petrochemical Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD080335052
EPA Region: 2

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Area Name:	SITEWIDE
Actual Date:	19920327
Action:	CA075HI - CA Prioritization, Facility or area was assigned a high corrective action priority
NAICS Code(s):	325192 325188 325132 32511 Cyclic Crude and Intermediate Manufacturing All Other Basic Inorganic Chemical Manufacturing Synthetic Organic Dye and Pigment Manufacturing Petrochemical Manufacturing
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	NYD080335052
EPA Region:	2
Area Name:	SITEWIDE
Actual Date:	19961127
Action:	CA160 - RFI Supplemental Information Received
NAICS Code(s):	325192 325188 325132 32511 Cyclic Crude and Intermediate Manufacturing All Other Basic Inorganic Chemical Manufacturing Synthetic Organic Dye and Pigment Manufacturing Petrochemical Manufacturing
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	NYD080335052
EPA Region:	2
Area Name:	SITEWIDE
Actual Date:	19930628
Action:	CA100 - RFI Imposition
NAICS Code(s):	325192 325188 325132 32511 Cyclic Crude and Intermediate Manufacturing All Other Basic Inorganic Chemical Manufacturing Synthetic Organic Dye and Pigment Manufacturing Petrochemical Manufacturing
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	NYD080335052
EPA Region:	2
Area Name:	SITEWIDE
Actual Date:	19980630
Action:	CA160 - RFI Supplemental Information Received
NAICS Code(s):	325192 325188 325132 32511 Cyclic Crude and Intermediate Manufacturing All Other Basic Inorganic Chemical Manufacturing Synthetic Organic Dye and Pigment Manufacturing Petrochemical Manufacturing
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	NYD080335052
EPA Region:	2
Area Name:	SITEWIDE
Actual Date:	20040930
Action:	CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified

BUFFALO COLOR CORP LLC (Continued) **1000227743**

NAICS Code(s): 325192 325188 325132 32511
Cyclic Crude and Intermediate Manufacturing
All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing
Petrochemical Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD080335052
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19830930
Action: CA770NG
NAICS Code(s): 325192 325188 325132 32511
Cyclic Crude and Intermediate Manufacturing
All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing
Petrochemical Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD080335052
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 19830930
Action: CA770GW
NAICS Code(s): 325192 325188 325132 32511
Cyclic Crude and Intermediate Manufacturing
All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing
Petrochemical Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD080335052
EPA Region: 2
Area Name: LAGOONS (1, 2, AND 3)
Actual Date: 19880930
Action: CA772ID
NAICS Code(s): 325192 325188 325132 32511
Cyclic Crude and Intermediate Manufacturing
All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing
Petrochemical Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NYD080335052
EPA Region: 2
Area Name: SITEWIDE
Actual Date: 20000131
Action: CA340 - CMS Report Received
NAICS Code(s): 325192 325188 325132 32511
Cyclic Crude and Intermediate Manufacturing
All Other Basic Inorganic Chemical Manufacturing
Synthetic Organic Dye and Pigment Manufacturing
Petrochemical Manufacturing

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Original schedule date: Not reported
Schedule end date: Not reported

RCRA-TSDF:
Date form received by agency: 06/19/2012
Facility name: BUFFALO COLOR CORP LLC
Facility address: 100 LEE ST
BUFFALO, NY 14210
EPA ID: NYD080335052
Mailing address: LEE ST
BUFFALO, NY 14210
Contact: ANDREW D MADDEN
Contact address: LEE ST
BUFFALO, NY 14210
Contact country: US
Contact telephone: 716-655-1250
Contact email: AMADDEN@OSCINC.COM
EPA Region: 02
Land type: Private
Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Large Quantity Generator
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:
Owner/operator name: SOUTH BUFFALO DEVELOPMENT LLC
Owner/operator address: GANSON ST
BUFFALO, NY 14203
Owner/operator country: US
Owner/operator telephone: 716-856-3333
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/2008
Owner/Op end date: Not reported

Owner/operator name: ANDREW MADDEN
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Owner/operator email: Not reported

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 03/01/2011
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D003
. Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

. Waste code: D009
. Waste name: MERCURY

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT

BUFFALO COLOR CORP LLC (Continued) **1000227743**

NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: P030
. Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

. Waste code: B002
. Waste name: B002

. Waste code: B007
. Waste name: B007

Historical Generators:
Date form received by agency: 03/04/2010
Site name: BUFFALO COLOR CORP
Classification: Large Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D004
. Waste name: ARSENIC

. Waste code: D005
. Waste name: BARIUM

. Waste code: D007
. Waste name: CHROMIUM

BUFFALO COLOR CORP LLC (Continued) **1000227743**

. Waste code: D010
. Waste name: SELENIUM

. Waste code: D018
. Waste name: BENZENE

. Waste code: F003
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: B007
. Waste name: B007

Date form received by agency: 01/01/2007
Site name: BUFFALO COLOR CORPORATION
Classification: Large Quantity Generator

Date form received by agency: 01/01/2006
Site name: BUFFALO COLOR CORPORATION
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/06/2004
Site name: BUFFALO COLOR CORPORATION
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D018
. Waste name: BENZENE

. Waste code: U012
. Waste name: ANILINE (I,T)

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Date form received by agency: 02/28/2002
Site name: BUFFALO COLOR CORPORATION
Classification: Large Quantity Generator

Date form received by agency: 01/01/2001
Site name: BUFFALO COLOR CORPORATION
Classification: Large Quantity Generator

Date form received by agency: 02/20/1998
Site name: BUFFALO COLOR CORPORATION
Classification: Large Quantity Generator

Date form received by agency: 02/27/1996
Site name: BUFFALO COLOR CORPORATION
Classification: Large Quantity Generator

Date form received by agency: 02/18/1994
Site name: BUFFALO COLOR CORPORATION
Classification: Large Quantity Generator

Date form received by agency: 04/24/1992
Site name: BUFFALO COLOR
Classification: Large Quantity Generator

Date form received by agency: 02/28/1992
Site name: BUFFALO COLOR CORPORATION
Classification: Large Quantity Generator

Date form received by agency: 11/19/1980
Site name: BUFFALO COLOR
Classification: Not a generator, verified

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D003
. Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF

BUFFALO COLOR CORP LLC (Continued) **1000227743**

DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: P021
. Waste name: CALCIUM CYANIDE

. Waste code: P030
. Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

. Waste code: P098
. Waste name: POTASSIUM CYANIDE

. Waste code: P106
. Waste name: SODIUM CYANIDE

. Waste code: P119
. Waste name: AMMONIUM VANADATE

. Waste code: U012
. Waste name: ANILINE (I,T)

. Waste code: U021
. Waste name: BENZIDINE

. Waste code: U037
. Waste name: BENZENE, CHLORO-

. Waste code: U044
. Waste name: CHLOROFORM

. Waste code: U070
. Waste name: BENZENE, 1,2-DICHLORO-

. Waste code: U088
. Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIETHYL ESTER

. Waste code: U122
. Waste name: FORMALDEHYDE

. Waste code: U147
. Waste name: 2,5-FURANDIONE

. Waste code: U154
. Waste name: METHANOL (I)

BUFFALO COLOR CORP LLC (Continued) **1000227743**

. Waste code: U169
. Waste name: BENZENE, NITRO-

. Waste code: U188
. Waste name: PHENOL

. Waste code: U220
. Waste name: BENZENE, METHYL-

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T)

Date form received by agency: 08/05/1980
Site name: BUFFALO COLOR
Classification: Large Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D003
. Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: F001
. Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

BUFFALO COLOR CORP LLC (Continued) **1000227743**

. Waste code: P021
. Waste name: CALCIUM CYANIDE

. Waste code: P030
. Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

. Waste code: P098
. Waste name: POTASSIUM CYANIDE

. Waste code: P106
. Waste name: SODIUM CYANIDE

. Waste code: P119
. Waste name: AMMONIUM VANADATE

. Waste code: U012
. Waste name: ANILINE (I,T)

. Waste code: U021
. Waste name: BENZIDINE

. Waste code: U037
. Waste name: BENZENE, CHLORO-

. Waste code: U044
. Waste name: CHLOROFORM

. Waste code: U070
. Waste name: BENZENE, 1,2-DICHLORO-

. Waste code: U088
. Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIETHYL ESTER

. Waste code: U122
. Waste name: FORMALDEHYDE

. Waste code: U147
. Waste name: 2,5-FURANDIONE

. Waste code: U154
. Waste name: METHANOL (I)

. Waste code: U169
. Waste name: BENZENE, NITRO-

. Waste code: U188
. Waste name: PHENOL

. Waste code: U220
. Waste name: BENZENE, METHYL-

. Waste code: U223
. Waste name: BENZENE, 1,3-DIISOCYANATOMETHYL- (R,T)

Date form received by agency: 12/31/1979
Site name: BUFFALO COLOR
Classification: Large Quantity Generator

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Corrective Action Summary:

Event date:	06/01/1980
Event:	INSTITUTIONAL CONTROLS ESTABLISHED-INFORMATIONAL DEVICE
Event date:	09/30/1983
Event:	ENGINEERING CONTROLS ESTABLISHED-NON-GROUNDWATER CONTROL
Event date:	09/30/1983
Event:	ENGINEERING CONTROLS ESTABLISHED-GROUNDWATER CONTROL
Event date:	04/04/1986
Event:	RFA COMPLETED
Event date:	02/15/1987
Event:	INVESTIGATION IMPOSITION
Event date:	09/30/1988
Event:	INSTITUTIONAL CONTROLS ESTABLISHED-INFORMATIONAL DEVICE
Event date:	03/16/1992
Event:	STABILIZATION MEASURES EVALUATION
Event date:	03/16/1992
Event:	STABILIZATION MEASURES EVALUATION-FACILITY IS AMENABLE TO STABILIZATION
Event date:	03/27/1992
Event:	CA PRIORITIZATION-HIGH CA PRIORITY
Event date:	05/20/1992
Event:	DETERMINATION OF NEED FOR AN INVESTIGATION-INVESTIGATION IS NECESSARY
Event date:	06/28/1993
Event:	INVESTIGATION IMPOSITION
Event date:	02/10/1995
Event:	INSTITUTIONAL CONTROLS ESTABLISHED-ENFORCEMENT AND PERMIT TOOLS
Event date:	07/05/1995
Event:	INVESTIGATION WORKPLAN RECEIVED
Event date:	09/15/1995
Event:	INVESTIGATION WORKPLAN APPROVED
Event date:	09/15/1995
Event:	INVESTIGATION WORKPLAN APPROVED
Event date:	02/08/1996
Event:	RFI WORKPLAN RESUBMITTED
Event date:	03/21/1996
Event:	INVESTIGATION IMPLEMENTATION BEGUN
Event date:	11/27/1996
Event:	INVESTIGATION SUPPLEMENTAL INFORMATION RECEIVED
Event date:	12/16/1996

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Event: INVESTIGATION SUPPLEMENTAL INFO DEEMED SATISFACT

Event date: 01/21/1997
Event: INVESTIGATION SUPPLEMENTAL INFORMATION RECEIVED

Event date: 03/06/1997
Event: INVESTIGATION SUPPLEMENTAL INFO DEEMED SATISFACT

Event date: 11/13/1997
Event: INVESTIGATION REPORT RECEIVED

Event date: 03/04/1998
Event: INVESTIGATION SUPPLEMENTAL INFO REQ BY AGENCY

Event date: 06/30/1998
Event: INVESTIGATION SUPPLEMENTAL INFORMATION RECEIVED

Event date: 07/07/1998
Event: INVESTIGATION SUPPLEMENTAL INFO DEEMED SATISFACT

Event date: 12/24/1998
Event: INVESTIGATION REPORT RECEIVED

Event date: 12/24/1998
Event: INVESTIGATION REPORT RECEIVED

Event date: 12/24/1998
Event: INVESTIGATION REPORT RECEIVED

Event date: 03/19/1999
Event: CMS IMPOSITION

Event date: 03/19/1999
Event: INVESTIGATION COMPLETE

Event date: 03/19/1999
Event: STABILIZATION/INTERIM MEASURES DECISION-GROUNDWATER EXTRACTION & TREATMENT

Event date: 05/17/1999
Event: CMS WORKPLAN RECEIVED

Event date: 07/06/1999
Event: CMS WORKPLAN APPROVED

Event date: 01/31/2000
Event: CMS REPORT RECEIVED

Event date: 07/10/2000
Event: CMS COMPLETE

Event date: 09/30/2004
Event: HUMAN EXPOSURES CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 03/25/2005
Event: ENGINEERING CONTROLS ESTABLISHED-GROUNDWATER CONTROL

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Event date: 03/25/2005
Event: DATE FOR PUBLIC NOTICE ON PROPOSED REMEDY

Event date: 03/25/2005
Event: CORRECTIVE MEASURES DESIGN APPROVED

Event date: 03/25/2005
Event: REMEDY DECISION

Event date: 05/10/2005
Event: DATE TO SUBMIT REMEDY DESIGN

Event date: 09/15/2005
Event: RELEASE TO GW CONTROLLED DETERMINATION-YES, APPLICABLE AS OF THIS DATE

Event date: 02/23/2015
Event: REMEDY CONSTRUCTION-REMEDY CONSTRUCTED

Event date: 02/24/2015
Event: READY FOR ANTICIPATED USE DETERMINATION - READY FOR ANTICIPATED USE

Facility Has Received Notices of Violations:
Regulation violated: SR - 372.2(b)(3)
Area of violation: Generators - Manifest
Date violation determined: 12/05/2003
Date achieved compliance: 01/05/2004
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/18/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 373-3.2(g)
Area of violation: Generators - General
Date violation determined: 12/30/2002
Date achieved compliance: 02/03/2003
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/03/2003
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 01/31/1995
Date achieved compliance: 06/26/1995
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 04/28/1995

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: 2700
Paid penalty amount: 2700

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 01/31/1995
Date achieved compliance: 06/26/1995
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 01/31/1995
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 4500
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 12/30/1991
Date achieved compliance: 02/11/1992
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 12/30/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 03/12/1991
Date achieved compliance: 03/12/1991
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 03/12/1991
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 03/24/1987
Date achieved compliance: 11/20/1987
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/26/1987
Enf. disposition status: Not reported

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - Manifest
Date violation determined: 08/20/1986
Date achieved compliance: 10/31/1986
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 08/20/1986
Date achieved compliance: 11/20/1987
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 08/20/1986
Date achieved compliance: 02/11/1992
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 07/08/1986
Date achieved compliance: 11/20/1987
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 02/18/1986
Date achieved compliance: 04/30/1986
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 04/14/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 12/16/1985
Date achieved compliance: 04/30/1986
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 12/16/1985
Date achieved compliance: 10/31/1986
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 12/16/1985
Date achieved compliance: 10/31/1986
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 10/21/1985
Date achieved compliance: 12/04/1985
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/21/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 09/01/1985
Date achieved compliance: 03/12/1991
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 09/30/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 6000
Final penalty amount: 6000
Paid penalty amount: 6000

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 03/11/1985
Date achieved compliance: 07/30/1986
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 06/27/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Permits - Application
Date violation determined: 01/16/1985
Date achieved compliance: 07/28/1986
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 06/27/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 6500

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 12/18/1984
Date achieved compliance: 11/12/1985
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/16/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - Closure/Post-Closure
Date violation determined: 10/19/1984
Date achieved compliance: 12/04/1985
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 09/18/1984
Date achieved compliance: 11/19/1984
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/18/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 07/18/1984
Date achieved compliance: 03/15/1985
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/11/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 05/30/1984
Date achieved compliance: 03/13/1985
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/16/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 11/17/1983
Date achieved compliance: 03/15/1985
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 09/08/1983
Date achieved compliance: 03/12/1991
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/07/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 16000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 09/08/1983
Date achieved compliance: 03/12/1991
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 02/07/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 3000
Paid penalty amount: 3000

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 09/08/1983
Date achieved compliance: 03/12/1991
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 02/07/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 3000
Paid penalty amount: 3000

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 09/08/1983
Date achieved compliance: 03/12/1991
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 09/30/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: Not reported
Final penalty amount: 6000
Paid penalty amount: 6000

Evaluation Action Summary:
Evaluation date: 12/15/2003
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/05/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest
Date achieved compliance: 01/05/2004
Evaluation lead agency: State

Evaluation date: 12/30/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 02/03/2003
Evaluation lead agency: State

Evaluation date: 12/13/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/30/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Evaluation lead agency: State

Evaluation date: 10/26/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/06/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/04/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/27/1997
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/21/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 06/26/1995
Evaluation lead agency: State

Evaluation date: 11/21/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 06/26/1995
Evaluation lead agency: State

Evaluation date: 09/28/1993
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/09/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/19/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 02/11/1992
Evaluation lead agency: State

Evaluation date: 03/12/1991

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 03/12/1991
Evaluation lead agency: EPA

Evaluation date: 12/06/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/20/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/16/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/25/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/22/1988
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/20/1988
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/10/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/25/1987
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/24/1987
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 11/20/1987

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Evaluation lead agency: State

Evaluation date: 01/20/1987
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/15/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/31/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/20/1986
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: TSD - General
Date achieved compliance: 02/11/1992
Evaluation lead agency: EPA

Evaluation date: 08/20/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest
Date achieved compliance: 10/31/1986
Evaluation lead agency: EPA

Evaluation date: 08/20/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 02/11/1992
Evaluation lead agency: EPA

Evaluation date: 08/20/1986
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 11/20/1987
Evaluation lead agency: EPA

Evaluation date: 07/08/1986
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 11/20/1987
Evaluation lead agency: State

Evaluation date: 05/09/1986
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/18/1986

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 04/30/1986
Evaluation lead agency: State

Evaluation date: 01/14/1986
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/16/1985
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 04/30/1986
Evaluation lead agency: EPA

Evaluation date: 12/16/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 10/31/1986
Evaluation lead agency: EPA

Evaluation date: 12/16/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Financial Requirements
Date achieved compliance: 10/31/1986
Evaluation lead agency: EPA

Evaluation date: 12/06/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/02/1985
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/21/1985
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 12/04/1985
Evaluation lead agency: State

Evaluation date: 09/01/1985
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 03/12/1991
Evaluation lead agency: EPA

Evaluation date: 06/26/1985
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 06/26/1985
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/20/1985
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/11/1985
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 07/30/1986
Evaluation lead agency: State

Evaluation date: 01/16/1985
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Permits - Application
Date achieved compliance: 07/28/1986
Evaluation lead agency: EPA

Evaluation date: 12/18/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 11/12/1985
Evaluation lead agency: State

Evaluation date: 10/19/1984
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD - Closure/Post-Closure
Date achieved compliance: 12/04/1985
Evaluation lead agency: State

Evaluation date: 09/18/1984
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 11/19/1984
Evaluation lead agency: State

Evaluation date: 09/13/1984
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 07/18/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/18/1984

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/18/1984
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 03/15/1985
Evaluation lead agency: State

Evaluation date: 05/30/1984
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 03/13/1985
Evaluation lead agency: State

Evaluation date: 05/21/1984
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/27/1983
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 11/17/1983
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 03/15/1985
Evaluation lead agency: State

Evaluation date: 09/08/1983
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 03/12/1991
Evaluation lead agency: EPA Contractor/Grantee

Evaluation date: 09/08/1983
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 03/12/1991
Evaluation lead agency: EPA Contractor/Grantee

US ENG CONTROLS:
EPA ID: NYD080335052
Site ID: Not reported
Name: BUFFALO COLOR CORP LLC
Address: 100 LEE ST
BUFFALO, NY 14210
EPA Region: 2
County: ERIE
Event Code: CA770GW
Actual Date: 03/25/2005
Contact Name: ANDREW D MADDEN

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Contact Phone and Ext: 716-655-1250
Event Code Description: ENGINEERING CONTROLS ESTABLISHED-GROUNDWATER CONTROL

Action ID: Not reported
Action Name: Not reported
Action Completion date: 01/01/1900
Operable Unit: Not reported
Contaminated Media : Not reported
Engineering Control: Not reported
Contact Name: ANDREW D MADDEN
Contact Phone and Ext: 716-655-1250
Event Code Description: ENGINEERING CONTROLS ESTABLISHED-GROUNDWATER CONTROL

Action ID: Not reported
Action Name: Not reported
Action Completion date: 01/01/1900
Operable Unit: Not reported
Contaminated Media : Not reported
Engineering Control: Not reported
Contact Name: ANDREW D MADDEN
Contact Phone and Ext: 716-655-1250
Event Code Description: ENGINEERING CONTROLS ESTABLISHED-NON-GROUNDWATER CONTROL

Action ID: Not reported
Action Name: Not reported
Action Completion date: 01/01/1900
Operable Unit: Not reported
Contaminated Media : Not reported
Engineering Control: Not reported
Contact Name: ANDREW D MADDEN
Contact Phone and Ext: 716-655-1250
Event Code Description: ENGINEERING CONTROLS ESTABLISHED-GROUNDWATER CONTROL

US INST CONTROL:
EPA ID: NYD080335052
Site ID: Not reported
Name: BUFFALO COLOR CORP LLC
Action Name: Not reported
Address: 100 LEE ST
BUFFALO, NY 14210
EPA Region: 2
County: ERIE
Event Code: CA772ID
Inst. Control: Not reported
Actual Date: 06/01/1980
Complet. Date: 01/01/1900
Operable Unit: Not reported
Contaminated Media : Not reported
Contact Name : ANDREW D MADDEN
Contact Phone and Ext : 716-655-1250
Event Code Description: INSTITUTIONAL CONTROLS ESTABLISHED-INFORMATIONAL DEVICE

EPA ID: NYD080335052
Site ID: Not reported
Name: BUFFALO COLOR CORP LLC
Action Name: Not reported

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Address: 100 LEE ST
BUFFALO, NY 14210
EPA Region: 2
County: ERIE
Event Code: CA772ID
Inst. Control: Not reported
Actual Date: 09/30/1988
Complet. Date: 01/01/1900
Operable Unit: Not reported
Contaminated Media : Not reported
Contact Name : ANDREW D MADDEN
Contact Phone and Ext : 716-655-1250
Event Code Description: INSTITUTIONAL CONTROLS ESTABLISHED-INFORMATIONAL DEVICE

EPA ID: NYD080335052
Site ID: Not reported
Name: BUFFALO COLOR CORP LLC
Action Name: Not reported
Address: 100 LEE ST
BUFFALO, NY 14210
EPA Region: 2
County: ERIE
Event Code: CA772EP
Inst. Control: Not reported
Actual Date: 02/10/1995
Complet. Date: 01/01/1900
Operable Unit: Not reported
Contaminated Media : Not reported
Contact Name : ANDREW D MADDEN
Contact Phone and Ext : 716-655-1250
Event Code Description: INSTITUTIONAL CONTROLS ESTABLISHED-ENFORCEMENT AND PERMIT TOOLS

2020 COR ACTION:
EPA ID: NYD080335052
Region: 2
Action: Not reported

ICIS:
Enforcement Action ID: NY000A0000914020007600064
FRS ID: 110015745443
Action Name: BUFFALO COLOR CORP - LEE ST PLANT 360290007700064
Facility Name: BUFFALO COLOR CORP - LEE ST PLANT
Facility Address: 100 LEE ST
BUFFALO, NY 14210
Enforcement Action Type: Administrative Order
Facility County: ERIE
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2865
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.865833
Longitude in Decimal Degrees: -78.843056
Permit Type Desc: Not reported
Program System Acronym: NY0000009140200076
Facility NAICS Code: 325192

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Tribal Land Code: Not reported

Enforcement Action ID: NY000A0000914020007600063
FRS ID: 110015745443
Action Name: BUFFALO COLOR CORP - LEE ST PLANT 360290007700063
Facility Name: BUFFALO COLOR CORP - LEE ST PLANT
Facility Address: 100 LEE ST
BUFFALO, NY 14210
Enforcement Action Type: Notice of Violation
Facility County: ERIE
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Informal
EA Type Code: NOV
Facility SIC Code: 2865
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.865833
Longitude in Decimal Degrees: -78.843056
Permit Type Desc: Not reported
Program System Acronym: NY0000009140200076
Facility NAICS Code: 325192
Tribal Land Code: Not reported

Enforcement Action ID: NY000A0000914020007600014
FRS ID: 110015745443
Action Name: BUFFALO COLOR CORP - LEE ST PLANT 360290007700014
Facility Name: BUFFALO COLOR CORP - LEE ST PLANT
Facility Address: 100 LEE ST
BUFFALO, NY 14210
Enforcement Action Type: Administrative Order
Facility County: ERIE
Program System Acronym: AIR
Enforcement Action Forum Desc: Administrative - Formal
EA Type Code: SCAAAO
Facility SIC Code: 2865
Federal Facility ID: Not reported
Latitude in Decimal Degrees: 42.865833
Longitude in Decimal Degrees: -78.843056
Permit Type Desc: Not reported
Program System Acronym: NY0000009140200076
Facility NAICS Code: 325192
Tribal Land Code: Not reported

FINDS:

Registry ID: 110015745443

Environmental Interest/Information System

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

TSCA SUBMITTER

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

HAZARDOUS AIR POLLUTANT MAJOR

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

HAZARDOUS WASTE BIENNIAL REPORTER

STATE MASTER

AIR MAJOR

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include;

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Incident Tracking, Compliance Assistance, and Compliance Monitoring.

US EPA Risk Management Plan (RMP) database stores the risk management plans reported by companies that handle, manufacture, use, or store certain flammable or toxic substances, as required under section 112(r) of the Clean Air Act (CAA).

Click this hyperlink while viewing on your computer to access additional FINDS: detail in the EDR Site Report.

ECHO:

Envid:	1000227743
Registry ID:	110015745443
DFR URL:	http://echo.epa.gov/detailed-facility-report?fid=110015745443

NJ MANIFEST:

EPA Id:	NYD080335052
Mail Address:	100 LEE ST
Mail City/State/Zip:	BUFFALO 14210
Facility Phone:	Not reported
Emergency Phone:	Not reported
Contact:	Not reported
Comments:	Not reported
SIC Code:	Not reported
County:	00
Municipal:	00
Previous EPA Id:	Not reported
Gen Flag:	X
Trans Flag:	X
TSDF Flag:	X
Name Change:	Not reported
Date Change:	000000

Manifest:

Manifest Number:	000022630VES
EPA ID:	NYD080335052
Date Shipped:	05/17/2007
TSDF EPA ID:	NJD002385730
Transporter EPA ID:	NYD980769947
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	05/17/2007
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	05/19/2007
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D002
Hand Code:	H08
Quantity:	3471 G

Manifest Number:	NJA5289771
EPA ID:	NYD080335052
Date Shipped:	03/22/2006
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJD054126164
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	03/22/2006
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	03/23/2006
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	04110621
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported
Manifest Number:	000239799VES
EPA ID:	NYD080335052
Date Shipped:	09/10/2008
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	NJD080631369
Transporter 2 EPA ID:	NYD980769947
Transporter 3 EPA ID:	NJD054126164
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	09/10/2008
Date Trans2 Transported Waste:	09/19/2008
Date Trans3 Transported Waste:	09/24/2008
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	09/30/2008
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D004
Hand Code:	H141
Quantity:	8800 P
Manifest Number:	000021734VES

BUFFALO COLOR CORP LLC (Continued) **1000227743**

EPA ID:	NYD080335052
Date Shipped:	01/09/2007
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	NJD080631369
Transporter 2 EPA ID:	NJD054126164
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	01/09/2007
Date Trans2 Transported Waste:	01/15/2007
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	01/17/2007
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	U012
Hand Code:	H14
Quantity:	300 P

Manifest Year:	Not reported
Waste Code:	D002
Hand Code:	H14
Quantity:	800 P

Manifest Number:	NJA5289768
EPA ID:	NYD080335052
Date Shipped:	03/22/2006
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJD054126164
Transporter 2 EPA ID:	Not reported

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	03/22/2006
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	03/23/2006
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	04110621
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Manifest Number:	NJA5226188
EPA ID:	NYD080335052
Date Shipped:	02/06/2006
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJD054126164
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	02/06/2006
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	02/09/2006
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	04040621
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Manifest Number:	NJA5289691
EPA ID:	NYD080335052
Date Shipped:	02/06/2006
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJD054126164
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	02/06/2006
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	02/09/2006
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	03200621

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported
Manifest Number:	NJA5289692
EPA ID:	NYD080335052
Date Shipped:	02/06/2006
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJD054126164
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	02/06/2006
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	02/09/2006
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	04100621
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported
Manifest Number:	NJA5289770
EPA ID:	NYD080335052
Date Shipped:	03/22/2006
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJD054126164
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	03/22/2006
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	03/23/2006
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	04110621
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Manifest Number:	NJA5289769
EPA ID:	NYD080335052
Date Shipped:	03/22/2006
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJD054126164
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	03/22/2006
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	03/23/2006
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	04110621
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported
Manifest Number:	NJA5289772
EPA ID:	NYD080335052
Date Shipped:	03/22/2006
TSDF EPA ID:	NJD002200046
Transporter EPA ID:	NJD054126164
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	03/22/2006
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	03/23/2006
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	04110621
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported
Manifest Number:	NJA5289689
EPA ID:	NYD080335052
Date Shipped:	02/06/2006
TSDF EPA ID:	NJD002200046

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Transporter EPA ID:	NJD054126164
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	02/06/2006
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	02/09/2006
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	03200621
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported
Manifest Number:	000022629VES
EPA ID:	NYD080335052
Date Shipped:	05/17/2007
TSDF EPA ID:	NJD002385730
Transporter EPA ID:	NYD980769947
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	05/17/2007
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	05/18/2007
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Waste:

Manifest Year:	Not reported
Waste Code:	D002
Hand Code:	H08
Quantity:	4314 G

Manifest Number:	000022327VES
EPA ID:	NYD080335052
Date Shipped:	10/03/2007
TSDF EPA ID:	NJD980536593
Transporter EPA ID:	NJD080631369
Transporter 2 EPA ID:	NJD054126164
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 9 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	10/03/2007
Date Trans2 Transported Waste:	10/12/2007
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	10/15/2007
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported

BUFFALO COLOR CORP LLC (Continued) **1000227743**

Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Was Load Rejected:	BUFFALO 14210
Reason Load Was Rejected:	Not reported

Q79 **PVS CHEMICAL SOLUTIONS** **CORRACTS** **1000106511**
SE **55 LEE STREET** **RCRA-TSDF** **NYD980534390**
1/2-1 **BUFFALO, NY 14210** **RCRA-LQG**
0.873 mi. **NY AST**
4611 ft. **Site 3 of 5 in cluster Q** **RAATS**
ICIS
Relative: **US AIRS**
Lower

Actual: **586 ft.**

CORRACTS:

EPA ID:	NYD980534390
EPA Region:	2
Area Name:	SITEWIDE
Actual Date:	19911101
Action:	CA075HI - CA Prioritization, Facility or area was assigned a high corrective action priority
NAICS Code(s):	32518 Other Basic Inorganic Chemical Manufacturing
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	NYD980534390
EPA Region:	2
Area Name:	SITEWIDE
Actual Date:	20040113
Action:	CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority
NAICS Code(s):	32518 Other Basic Inorganic Chemical Manufacturing
Original schedule date:	Not reported
Schedule end date:	Not reported

EPA ID:	NYD980534390
EPA Region:	2
Area Name:	SITEWIDE
Actual Date:	19870930
Action:	CA050 - RFA Completed
NAICS Code(s):	32518 Other Basic Inorganic Chemical Manufacturing
Original schedule date:	Not reported
Schedule end date:	Not reported

RCRA-TSDF:
Date form received by agency: 02/08/2016

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Facility name:	P V S CHEMICAL SOLUTIONS INC
Facility address:	55 LEE ST BUFFALO, NY 14210
EPA ID:	NYD980534390
Mailing address:	LEE ST BUFFALO, NY 14210
Contact:	CHRIS J CANCILLA
Contact address:	LEE ST BUFFALO, NY 14210
Contact country:	US
Contact telephone:	716-825-5762
Telephone ext.:	6228
Contact email:	CCANCILLA@PVSCHEMICALS.COM
EPA Region:	02
Land type:	Private
Classification:	TSDF
Description:	Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification:	Large Quantity Generator
Description:	Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates more than 100 kg of that material at any time

Owner/Operator Summary:

Owner/operator name:	P V S CHEMICALS INC
Owner/operator address:	HARPER AVE DETROIT, MI 48213
Owner/operator country:	US
Owner/operator telephone:	313-921-1200
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	01/01/1981
Owner/Op end date:	Not reported

Owner/operator name:	PVS CHEMICAL SOLUTIONS
Owner/operator address:	HARPER AVE DETROIT, MI 48213
Owner/operator country:	US
Owner/operator telephone:	Not reported
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	10/02/1981

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Owner/Op end date: Not reported

Owner/operator name: PVS CHEMICALS, INC.
Owner/operator address: HARPER AVE.
DETROIT, MI 48213
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 10/02/1981
Owner/Op end date: Not reported

Owner/operator name: P V S CHEMICALS INC
Owner/operator address: HARPER AVE
DETROIT, MI 48213
Owner/operator country: US
Owner/operator telephone: Not reported
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 01/01/1981
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D007
. Waste name: CHROMIUM

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

. Waste code: D008
. Waste name: LEAD

Historical Generators:
Date form received by agency: 03/04/2014
Site name: P V S CHEMICAL SOLUTIONS INC
Classification: Large Quantity Generator

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D007
. Waste name: CHROMIUM

Date form received by agency: 02/23/2012
Site name: P V S CHEMICAL SOLUTIONS INC
Classification: Large Quantity Generator

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

Date form received by agency: 02/17/2010
Site name: PVS CHEMICAL SOLUTIONS INC.
Classification: Large Quantity Generator

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

Date form received by agency: 02/26/2008
Site name: PVS CHEMICAL SOLUTIONS, INC.
Classification: Conditionally Exempt Small Quantity Generator

. Waste code: D001
. Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

. Waste code: D035
. Waste name: METHYL ETHYL KETONE

. Waste code: F005
. Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

. Waste code: U159
. Waste name: 2-BUTANONE (I,T)

Date form received by agency: 01/01/2007
Site name: PVS CHEMICAL SOLUTIONS, INC.
Classification: Large Quantity Generator

Date form received by agency: 04/07/2006
Site name: PVS CHEMICAL SOLUTIONS, INC.
Classification: Large Quantity Generator

. Waste code: D007
. Waste name: CHROMIUM

. Waste code: D008
. Waste name: LEAD

Date form received by agency: 04/06/2006
Site name: PVS CHEMICAL SOLUTIONS, INC.
Classification: Large Quantity Generator

Date form received by agency: 04/06/1996
Site name: P V S CHEMICAL INC NEW YORK
Classification: Not a generator, verified

. Waste code: NONE
. Waste name: None

Date form received by agency: 02/27/1992
Site name: PVS CHEMICALS INC (NY)
Classification: Small Quantity Generator

Date form received by agency: 03/01/1990
Site name: PVS CHEMICALSINC. (NY)

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Classification: Large Quantity Generator

Date form received by agency: 09/19/1983
Site name: P V S CHEMICAL INC NEW YORK
Classification: Not a generator, verified

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Date form received by agency: 01/14/1982
Site name: P V S CHEMICAL INC NEW YORK
Classification: Large Quantity Generator

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Biennial Reports:

Last Biennial Reporting Year: 2017

Annual Waste Handled:
Waste code: D002
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
Amount (Lbs): 34246000

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 51680

Waste code: D008
Waste name: LEAD
Amount (Lbs): 200

Corrective Action Summary:
Event date: 09/30/1987
Event: RFA COMPLETED

Event date: 11/01/1991

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Event: CA PRIORITIZATION-HIGH CA PRIORITY

Event date: 01/13/2004
Event: CA PRIORITIZATION-MEDIUM CA PRIORITY

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 03/16/1998
Date achieved compliance: 05/06/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/16/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 04/16/1992
Date achieved compliance: 04/18/2002
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 01/02/1992
Date achieved compliance: 04/18/2002
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 10/17/1991
Date achieved compliance: 11/26/1991
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 11/30/1990
Date achieved compliance: 11/26/1991
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 10/15/1987
Date achieved compliance: 11/26/1991
Violation lead agency: State
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 07/03/1986
Date achieved compliance: 10/21/1986
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/03/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 07/03/1986
Date achieved compliance: 10/21/1986
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/03/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 06/10/1986
Date achieved compliance: 10/21/1986
Violation lead agency: EPA
Enforcement action: Not reported
Enforcement action date: Not reported
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: Not reported
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 01/31/2017
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/27/2015
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/07/2013
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/14/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/08/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/27/2009
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/15/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/02/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/21/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/08/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/28/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/10/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/11/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 05/06/1998
Evaluation lead agency: State

Evaluation date: 10/08/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/15/1995
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/17/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Evaluation date: 09/25/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/16/1992
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 04/18/2002
Evaluation lead agency: State

Evaluation date: 12/31/1991
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 04/18/2002
Evaluation lead agency: State

Evaluation date: 12/05/1991
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 04/18/2002
Evaluation lead agency: State

Evaluation date: 10/17/1991
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 11/26/1991
Evaluation lead agency: State

Evaluation date: 09/19/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/30/1990
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 11/26/1991
Evaluation lead agency: State

Evaluation date: 09/21/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/15/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/16/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/15/1987
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 11/26/1991
Evaluation lead agency: State

Evaluation date: 09/17/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/23/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/03/1986
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD - General
Date achieved compliance: 10/21/1986
Evaluation lead agency: State

Evaluation date: 07/03/1986
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 10/21/1986
Evaluation lead agency: State

Evaluation date: 06/11/1986
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/10/1986
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General
Date achieved compliance: 10/21/1986
Evaluation lead agency: EPA

Evaluation date: 06/10/1986
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: TSD - General
Date achieved compliance: 10/21/1986
Evaluation lead agency: EPA

Evaluation date: 06/10/1986
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: TSD - General
Date achieved compliance: 10/21/1986
Evaluation lead agency: EPA

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Evaluation date: 12/06/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 08/26/1985
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/21/1984
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA-Initiated Oversight/Observation/Training Actions

Evaluation date: 08/15/1984
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/11/1984
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 01/19/1984
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 11/17/1983
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 05/16/1982
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

AST:
Region: STATE
DEC Region: 9
Site Status: Active
Facility Id: 9-439924
Program Type: PBS
UTM X: 186051.92940
UTM Y: 4752973.52997
Expiration Date: 06/28/2018
Site Type: Manufacturing (Other than Chemical)/Processing

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Affiliation Records:

Site Id:	54315
Affiliation Type:	Facility Owner
Company Name:	PVS CHEMICALS, INC. (NY)
Contact Type:	PLANT MANAGER
Contact Name:	CHRIS CANCILLA
Address1:	55 LEE STREET
Address2:	Not reported
City:	BUFFALO
State:	NY
Zip Code:	14210
Country Code:	001
Phone:	(716) 825-5762
EMail:	CCANCILLA@PVSCHEMICALS.COM
Fax Number:	Not reported
Modified By:	aeskalsk
Date Last Modified:	2014-02-13

Site Id:	54315
Affiliation Type:	Mail Contact
Company Name:	PVS CHEMICALS, INC. (NY)
Contact Type:	PLANT MANAGER
Contact Name:	CHRIS CANCILLA
Address1:	55 LEE STREET
Address2:	Not reported
City:	BUFFALO
State:	NY
Zip Code:	14210
Country Code:	001
Phone:	(716) 825-5762
EMail:	CCANCILLA@PVSCHEMICALS.COM
Fax Number:	Not reported
Modified By:	aeskalsk
Date Last Modified:	2014-02-13

Site Id:	54315
Affiliation Type:	Facility Operator
Company Name:	PVS CHEMICALS, INC. (NY)
Contact Type:	Not reported
Contact Name:	PVS CHEMICALS, INC. (NY)
Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NY
Zip Code:	Not reported
Country Code:	001
Phone:	(716) 825-5762
EMail:	Not reported
Fax Number:	Not reported
Modified By:	aeskalsk
Date Last Modified:	2014-02-13

Site Id:	54315
Affiliation Type:	Emergency Contact
Company Name:	PVS CHEMICALS, INC. (NY)
Contact Type:	Not reported
Contact Name:	CHRIS CANCILLA

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Address1:	Not reported
Address2:	Not reported
City:	Not reported
State:	NN
Zip Code:	Not reported
Country Code:	999
Phone:	(716) 825-5762
EMail:	Not reported
Fax Number:	Not reported
Modified By:	aeskalsk
Date Last Modified:	2014-02-13

Tank Info:

Tank Number:	1
Tank Id:	167638
Material Code:	0001
Common Name of Substance:	#2 Fuel Oil (On-Site Consumption)

Equipment Records:

	E04 - Piping Secondary Containment - Double walled UG
	H00 - Tank Leak Detection - None
	I02 - Overfill - High Level Alarm
	K01 - Spill Prevention - Catch Basin
	L09 - Piping Leak Detection - Exempt Suction Piping
	C03 - Pipe Location - Aboveground/Underground Combination
	J02 - Dispenser - Suction Dispenser
	A00 - Tank Internal Protection - None
	B01 - Tank External Protection - Painted/Asphalt Coating
	D01 - Pipe Type - Steel/Carbon Steel/Iron
	F05 - Pipe External Protection - Jacketed
	G05 - Tank Secondary Containment - Synthetic Liner
	I04 - Overfill - Product Level Gauge (A/G)
	G01 - Tank Secondary Containment - Diking (Aboveground)
Tank Location:	3
Tank Type:	Steel/Carbon Steel/Iron
Tank Status:	In Service
Pipe Model:	Not reported
Install Date:	01/01/1973
Capacity Gallons:	50000
Tightness Test Method:	NN
Date Test:	Not reported
Next Test Date:	Not reported
Date Tank Closed:	Not reported
Register:	True
Modified By:	SLZIEMBA
Last Modified:	04/14/2017
Material Name:	#2 fuel oil (on-site consumption)

ICIS:

Enforcement Action ID:	NY000A0000914020043500367
FRS ID:	110000326996
Action Name:	PVS CHEMICAL SOLUTIONS INC 360290032500367
Facility Name:	PVS CHEMICAL SOLUTIONS INC
Facility Address:	55 LEE ST BUFFALO, NY 14210

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Enforcement Action Type:	Notice of Violation
Facility County:	ERIE
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	2819
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	42.864778
Longitude in Decimal Degrees:	78.8409505
Permit Type Desc:	Not reported
Program System Acronym:	NY0000009140200435
Facility NAICS Code:	325188
Tribal Land Code:	Not reported

Enforcement Action ID:	NY000A0000914020043500353
FRS ID:	110000326996
Action Name:	PVS CHEMICAL SOLUTIONS INC 360290032500353
Facility Name:	PVS CHEMICAL SOLUTIONS INC
Facility Address:	55 LEE ST BUFFALO, NY 14210
Enforcement Action Type:	Notice of Violation
Facility County:	ERIE
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	2819
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	42.864778
Longitude in Decimal Degrees:	78.8409505
Permit Type Desc:	Not reported
Program System Acronym:	NY0000009140200435
Facility NAICS Code:	325188
Tribal Land Code:	Not reported

Enforcement Action ID:	NY000A0000914020043500101
FRS ID:	110000326996
Action Name:	PVS CHEMICAL SOLUTIONS INC 360290032500101
Facility Name:	PVS CHEMICAL SOLUTIONS INC
Facility Address:	55 LEE ST BUFFALO, NY 14210
Enforcement Action Type:	Administrative Order
Facility County:	ERIE
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Formal
EA Type Code:	SCAAAO
Facility SIC Code:	2819
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	42.864778
Longitude in Decimal Degrees:	78.8409505
Permit Type Desc:	Not reported
Program System Acronym:	NY0000009140200435
Facility NAICS Code:	325188
Tribal Land Code:	Not reported

Enforcement Action ID:	NY000A0000914020043500027
FRS ID:	110000326996
Action Name:	PVS CHEMICAL SOLUTIONS INC 360290032500027

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Facility Name:	PVS CHEMICAL SOLUTIONS INC
Facility Address:	55 LEE ST
	BUFFALO, NY 14210
Enforcement Action Type:	Civil Judicial Action
Facility County:	ERIE
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Judicial
EA Type Code:	CIV
Facility SIC Code:	2819
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	42.864778
Longitude in Decimal Degrees:	78.8409505
Permit Type Desc:	Not reported
Program System Acronym:	NY0000009140200435
Facility NAICS Code:	325188
Tribal Land Code:	Not reported

Enforcement Action ID:	02-000F000360290032500017
FRS ID:	110000326996
Action Name:	PVS CHEMICAL SOLUTIONS INC 360290032500017
Facility Name:	PVS CHEMICAL SOLUTIONS INC
Facility Address:	55 LEE ST
	BUFFALO, NY 14210
Enforcement Action Type:	Notice of Violation
Facility County:	ERIE
Program System Acronym:	AIR
Enforcement Action Forum Desc:	Administrative - Informal
EA Type Code:	NOV
Facility SIC Code:	2819
Federal Facility ID:	Not reported
Latitude in Decimal Degrees:	42.864778
Longitude in Decimal Degrees:	78.8409505
Permit Type Desc:	Not reported
Program System Acronym:	NY0000009140200435
Facility NAICS Code:	325188
Tribal Land Code:	Not reported

US AIRS (AFS):

Envid:	1000106511
Region Code:	02
County Code:	NY029
Programmatic ID:	AIR NY0000009140200435
Facility Registry ID:	110000326996
D and B Number:	Not reported
Facility Site Name:	PVS CHEMICAL SOLUTIONS INC
Primary SIC Code:	2819
NAICS Code:	325188
Default Air Classification Code:	MAJ
Facility Type of Ownership Code:	Not reported
Air CMS Category Code:	TVM
HPV Status:	Not reported

US AIRS (AFS):

Region Code:	02
Programmatic ID:	AIR NY0000009140200435
Facility Registry ID:	110000326996

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	National Emission Standards for Hazardous Air Pollutants (40 CFR Part 61)
Activity Date:	2004-03-12 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported

Region Code:	02
Programmatic ID:	AIR NY0000009140200435
Facility Registry ID:	110000326996
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Review Permit Requirements
Activity Date:	2009-08-18 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Compliance Investigation
Activity Status:	Not reported

Region Code:	02
Programmatic ID:	AIR NY0000009140200435
Facility Registry ID:	110000326996
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	New Source Review Permit Requirements
Activity Date:	2012-09-12 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported

Region Code:	02
Programmatic ID:	AIR NY0000009140200435
Facility Registry ID:	110000326996
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Nonattainment/SIP Provisions
Activity Date:	2012-09-12 00:00:00
Activity Status Date:	2012-09-18 11:04:50
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Active

Region Code:	02
Programmatic ID:	AIR NY0000009140200435
Facility Registry ID:	110000326996
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Operating Permits
Activity Date:	2011-06-03 00:00:00
Activity Status Date:	2011-09-13 13:48:23
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Active

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Operating Permits
Activity Date: 2012-09-12 00:00:00
Activity Status Date: 2012-09-18 11:04:50
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Operating Permits
Activity Date: 2016-03-08 00:00:00
Activity Status Date: 2016-03-15 16:56:15
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause
Activity Date: 2005-01-25 00:00:00
Activity Status Date: 2016-05-02 14:11:39
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause
Activity Date: 2014-07-22 00:00:00
Activity Status Date: 2016-05-02 14:02:05
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause
Activity Date: 2015-02-02 00:00:00
Activity Status Date: 2016-05-02 14:02:05
Activity Group: Compliance Monitoring

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause
Activity Date: 2015-02-02 00:00:00
Activity Status Date: 2016-05-02 14:11:40
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause
Activity Date: 2015-07-30 00:00:00
Activity Status Date: 2016-05-02 14:02:06
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause
Activity Date: 2016-04-27 00:00:00
Activity Status Date: 2016-05-02 14:02:05
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause
Activity Date: 2016-09-26 00:00:00
Activity Status Date: 2016-10-09 08:02:32
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Activity Date:	1999-10-20 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	02
Programmatic ID:	AIR NY0000009140200435
Facility Registry ID:	110000326996
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Prevention of Accidental Release/General Duty Clause
Activity Date:	2001-03-28 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	02
Programmatic ID:	AIR NY0000009140200435
Facility Registry ID:	110000326996
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Prevention of Accidental Release/General Duty Clause
Activity Date:	2002-07-29 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	02
Programmatic ID:	AIR NY0000009140200435
Facility Registry ID:	110000326996
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Prevention of Accidental Release/General Duty Clause
Activity Date:	2002-09-24 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	02
Programmatic ID:	AIR NY0000009140200435
Facility Registry ID:	110000326996
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Prevention of Accidental Release/General Duty Clause
Activity Date:	2003-01-22 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	02
Programmatic ID:	AIR NY0000009140200435
Facility Registry ID:	110000326996

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause
Activity Date: 2003-07-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause
Activity Date: 2003-09-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause
Activity Date: 2003-09-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause
Activity Date: 2004-01-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause
Activity Date: 2004-07-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause
Activity Date: 2004-09-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause
Activity Date: 2004-09-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause
Activity Date: 2005-01-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause
Activity Date: 2005-07-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause
Activity Date: 2006-01-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause
Activity Date: 2006-07-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause
Activity Date: 2006-09-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause
Activity Date: 2006-09-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause
Activity Date: 2007-01-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Activity Date: 2007-07-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause
Activity Date: 2007-11-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause
Activity Date: 2008-01-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause
Activity Date: 2008-01-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause
Activity Date: 2008-07-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause
Activity Date: 2009-01-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause
Activity Date: 2009-07-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause
Activity Date: 2010-01-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause
Activity Date: 2010-07-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause
Activity Date: 2010-09-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause
Activity Date: 2010-09-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause
Activity Date: 2011-01-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause
Activity Date: 2011-04-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause
Activity Date: 2011-07-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause
Activity Date: 2012-01-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause
Activity Date: 2012-01-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause
Activity Date: 2012-07-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause
Activity Date: 2012-09-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause
Activity Date: 2013-01-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Prevention of Accidental Release/General Duty Clause

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Activity Date:	2013-07-31 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	02
Programmatic ID:	AIR NY0000009140200435
Facility Registry ID:	110000326996
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Prevention of Accidental Release/General Duty Clause
Activity Date:	2014-01-31 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	02
Programmatic ID:	AIR NY0000009140200435
Facility Registry ID:	110000326996
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Prevention of Accidental Release/General Duty Clause
Activity Date:	2014-09-04 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	02
Programmatic ID:	AIR NY0000009140200435
Facility Registry ID:	110000326996
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	Prevention of Accidental Release/General Duty Clause
Activity Date:	2014-09-24 00:00:00
Activity Status Date:	Not reported
Activity Group:	Compliance Monitoring
Activity Type:	Inspection/Evaluation
Activity Status:	Not reported
Region Code:	02
Programmatic ID:	AIR NY0000009140200435
Facility Registry ID:	110000326996
Air Operating Status Code:	OPR
Default Air Classification Code:	MAJ
Air Program:	State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date:	Not reported
Activity Status Date:	2014-10-19 00:00:00
Activity Group:	Case File
Activity Type:	Case File
Activity Status:	Case File Data Entered
Region Code:	02
Programmatic ID:	AIR NY0000009140200435
Facility Registry ID:	110000326996

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: Not reported
Activity Status Date: 2002-04-18 00:00:00
Activity Group: Case File
Activity Type: Case File
Activity Status: Resolved

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-08-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Compliance Investigation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-01-25 00:00:00
Activity Status Date: 2016-05-02 14:11:39
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-09-12 00:00:00
Activity Status Date: 2012-09-18 11:04:50
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-07-22 00:00:00
Activity Status Date: 2016-05-02 14:02:05
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-02-02 00:00:00
Activity Status Date: 2016-05-02 14:02:05
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-02-02 00:00:00
Activity Status Date: 2016-05-02 14:11:40
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2015-07-30 00:00:00
Activity Status Date: 2016-05-02 14:02:06
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2016-04-27 00:00:00
Activity Status Date: 2016-05-02 14:02:05
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2016-09-26 00:00:00
Activity Status Date: 2016-10-09 08:02:32
Activity Group: Compliance Monitoring

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1984-12-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-02-06 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1985-03-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-02-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Activity Date: 1986-05-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-07-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1986-12-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1987-01-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1987-02-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1987-08-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1988-08-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1988-09-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1988-10-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1990-04-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1991-05-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1993-07-08 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1995-03-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-03-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1997-01-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-03-11 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-03-02 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1999-10-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2001-03-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Activity Date: 2002-07-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-09-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-01-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-07-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-09-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-09-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-01-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-07-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-09-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-09-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-01-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2005-07-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-01-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-07-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-09-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-09-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-01-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-07-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2007-11-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Activity Date: 2008-01-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-01-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2008-07-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-01-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2009-07-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-01-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-07-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-09-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-09-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-01-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-04-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-07-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-01-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-01-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-07-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2012-09-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-01-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2013-07-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-01-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Activity Date: 2014-09-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-09-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2002-04-18 00:00:00
Activity Status Date: 2002-04-18 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Formal
Activity Status: Final Order Issued

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1988-12-21 00:00:00
Activity Status Date: 1988-12-21 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-04-06 00:00:00
Activity Status Date: 2011-04-06 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2014-09-29 00:00:00
Activity Status Date: 2014-09-29 00:00:00
Activity Group: Enforcement Action
Activity Type: Administrative - Informal
Activity Status: Achieved

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1996-05-20 00:00:00
Activity Status Date: 1996-05-20 00:00:00
Activity Group: Enforcement Action
Activity Type: Judicial
Activity Status: Complaint Filed

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2005-01-25 00:00:00
Activity Status Date: 2016-05-02 14:11:39
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2014-07-22 00:00:00
Activity Status Date: 2016-05-02 14:02:05
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2015-02-02 00:00:00
Activity Status Date: 2016-05-02 14:02:05
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2015-02-02 00:00:00
Activity Status Date: 2016-05-02 14:11:40
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2015-07-30 00:00:00
Activity Status Date: 2016-05-02 14:02:06
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2016-04-27 00:00:00
Activity Status Date: 2016-05-02 14:02:05
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2016-09-26 00:00:00
Activity Status Date: 2016-10-09 08:02:32
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 1999-10-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2001-03-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2002-07-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2002-09-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2003-01-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Activity Date: 2003-07-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2003-09-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2003-09-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2004-01-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2004-07-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2004-09-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2004-09-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2005-01-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2005-07-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2006-01-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2006-07-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2006-09-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2006-09-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2007-01-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2007-07-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2007-11-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2008-01-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2008-01-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2008-07-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Activity Date: 2009-01-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2009-07-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2010-01-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2010-07-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2010-09-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2010-09-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2011-01-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2011-04-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2011-07-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2012-01-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2012-01-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2012-07-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2012-09-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2013-01-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2013-07-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2014-01-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2014-09-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Stratospheric Ozone Protection
Activity Date: 2014-09-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-08-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Compliance Investigation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Activity Date: 2005-01-25 00:00:00
Activity Status Date: 2016-05-02 14:11:39
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-07-22 00:00:00
Activity Status Date: 2016-05-02 14:02:05
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-02-02 00:00:00
Activity Status Date: 2016-05-02 14:02:05
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-02-02 00:00:00
Activity Status Date: 2016-05-02 14:11:40
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2015-07-30 00:00:00
Activity Status Date: 2016-05-02 14:02:06
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-04-27 00:00:00
Activity Status Date: 2016-05-02 14:02:05
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2016-09-26 00:00:00
Activity Status Date: 2016-10-09 08:02:32
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Active

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 1999-10-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2001-03-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-07-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2002-09-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-01-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-03-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-07-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-09-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2003-09-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-01-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-07-22 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2004-09-14 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Activity Date: 2004-09-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-01-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2005-07-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-01-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-07-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-09-13 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2006-09-27 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-01-09 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-07-18 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2007-11-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-01-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-01-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2008-07-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-01-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2009-07-17 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-01-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-07-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-09-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2010-09-29 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Activity Date: 2011-01-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-04-05 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-06-03 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2011-07-26 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-01-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-01-30 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-07-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2012-09-12 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-01-28 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2013-07-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

PVS CHEMICAL SOLUTIONS (Continued) **1000106511**

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-01-31 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-09-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 02
Programmatic ID: AIR NY0000009140200435
Facility Registry ID: 110000326996
Air Operating Status Code: OPR
Default Air Classification Code: MAJ
Air Program: Title V Permits
Activity Date: 2014-09-24 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Q80 **PVS CHEMICAL SOLUTIONS, INC.** **NY SHWS** **S101485930**
SE **55 LEE STREET** **NY LTANKS** **N/A**
1/2-1 **BUFFALO, NY 14210** **NY CBS**
0.873 mi. **NY CBS AST**
4611 ft. **Site 4 of 5 in cluster Q** **NY Spills**
NY AIRS
Relative: **NY MANIFEST**
Lower **NY SPDES**

Actual:
586 ft.

SHWS:
Program: HW
Site Code: 56543
Classification: 2
Region: 9
Acres: 14.89
HW Code: 915004
Record Add: 11/18/1999
Record Upd: 10/02/2017
Updated By: CRSTANIS
Site Description: Location: The PVS Chemicals site is located in an industrial area along the Buffalo River and is bounded by Lee Street on the west and

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

railroad tracks and the former Buffalo Color Corporation (Site C915232) on the north. Site Features: The site is an active industrial facility which manufactures chemicals including sulfuric acid, oleum, ammonium thiosulfate. The site is located along approximately 1500 feet of Buffalo River shoreline. Current Zoning and Land Use: The site is currently an active industrial facility and is zoned for industrial use. The surrounding parcels are zoned for industrial use but are being remediated for commercial use under the Brownfield Cleanup Program. There is a residential area within 2000 feet of the site. Past Uses of the Site and Investigations: The site was part of the larger former Allied Chemical Corporation property which began operations in the early 1900s. The other remaining sections of the Allied Chemical Plant were sold to Buffalo Color Corporation (BCC). BCC Areas A, B, C, D and E were determined to have extensive soil and groundwater contamination from volatile and semi-volatile organic compounds, and metals. Area D was remediated in the late 1990s under a hazardous waste site order, and Areas A, B, C and E were individually remediated under brownfield cleanup agreements between 2009 and 2013. At the PVS plant, an unlined seepage pit (lagoon) was used to receive various wastewater streams from production processes from 1930 to 1977. The liquid wastes included nitric and sulfuric acid, sulfur drainings, and nitric rinses containing cadmium and other metals. Groundwater monitoring wells were installed at the site beginning in 1982 as part of the RCRA monitoring program. Additional environmental investigations (Phase I and II reports) were completed by 1989. Pursuant to a 2002 Stipulation and Order of Settlement between the State of New York and PVS Chemicals Inc., PVS conducted a groundwater and soil-related investigation at the site, which was completed in 2003. The purpose of the investigation was to gather and submit to DEC additional information regarding environmental conditions at the site, obtained mainly through installation and sampling of new wells, redevelopment and re-sampling of existing wells and soil sampling. Under the 2002 Stipulation and Order, the State expressly reserved its right to proceed against PVS for any liability that may result from the State's determination, after review of the reports, submitted upon performance of the Site Investigation Work Plan, that further groundwater and/or soil-related measures are required by law to be performed by PVS. The State also reserved its authority to enforce any and all applicable laws for the protection of the public health, welfare and the environment. Site Geology and Hydrogeology: The depth to groundwater at the site varies from 8 to 15 feet. The groundwater is freely migrating to the Buffalo River. Site investigation of PVS and BCC identifies a number of subsurface zones at the site with contrasting hydrogeologic properties. In order of increasing depth, these zones include: Fill: This unconsolidated material is found over the majority of the surface of the site. It typically consists of clay, silt, crushed stone, gravel, bricks, and miscellaneous building demolition debris. Clay and Silt Tills (Upper Tills): This unit is unconsolidated fine-grained clay and silt glacial tills, with varying amounts of sand and sand seams. The thickness of this material on Area E generally ranges from 5 to 10 feet. Glaciolacustrine Clay: This unit is primarily soft clay, with limited occurrence of fine sands. This unit underlies the entire site and has a thickness that ranges from 24 to 36 feet. Grain size analysis shows that this unit is comprised almost entirely of clay sized particles. These materials have a relatively low hydraulic conductivity and the unit is

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

considered an aquitard that separates the shallow and underlying confined water-bearing units. Basal Till: This unit is a mixture of sand, silt, gravel, and a minor amount of clay. This unit was encountered beneath the glaciolacustrine clay in all deep borings advanced at the former BCC property, and was encountered immediately above the bedrock. Thickness of this unit ranges from 2 to 5 feet. Onondaga Limestone: This bedrock unit was described as fractured and weathered, dark gray limestone. Only the upper few feet of this unit were penetrated during site investigation activities. The bedrock surface slopes gently to the south, at a rate of approximately 1.2 feet per 100 feet. Two aquifers have been identified at the area. The first aquifer encountered, the shallow aquifer, is a saturated unconfined system within the fill and sediments above the glaciolacustrine clay unit. The second aquifer, the confined aquifer, occurs within the basal till and weathered upper surface of the bedrock. The RCRA Facility Investigation (RFI) report concluded that the thick, low conductivity glaciolacustrine clay unit acts as an aquitard, separating these aquifers and providing a confining layer for the deeper aquifer. Although both are part of the shallow aquifer, variability in groundwater conductivity and flow direction has been found in the saturated portion of the fill unit compared to the saturated portion of the underlying upper till unit. Groundwater contours were mapped separately for wells screened in the fill unit during the 1997 RFI and the 2007 BCC RI. Groundwater flow in the shallow aquifer at the site is generally towards the Buffalo River. Shallow groundwater is typically first encountered within 8 to 15 feet of the ground surface and varies seasonally. During the 1997 RFI, the water levels for the confined aquifer were measured in 12 monitoring wells located across the adjoining BCC facility that were screened within the basal till unit (four of which were installed during the RFI, and eight of which were installed prior to the RFI). The groundwater in the confined aquifer exists under apparent confined conditions within the basal till unit and upper portion of the Onondaga Limestone beneath the base of the glaciolacustrine clay. During the RFI, the confined aquifer contours were interpreted to indicate a groundwater divide on the eastern side of Area E. Groundwater flow is shown within the confined aquifer as to the east and west of the divide area, parallel to the Buffalo River.

Env Problem: Nature and Extent of Contamination Groundwater: The site investigation results indicate groundwater standards are exceeded in several areas of the plant site. Based upon the most recent site investigations conducted to date, the primary contaminants of concern in groundwater include metals (e.g. cadmium, mercury) and organic compounds (e.g.chlorobenzene). The groundwater exhibits pH as low as 2.24. Chlorobenzene and derivatives exceed groundwater standards (5 ppb), with a maximum concentration of 3,700 ppb. Based on water level data, it appears likely that downward movement of groundwater contaminants is restricted, and has a preferred lateral movement. The overburden aquifer discharges to the Buffalo River. Special Resources Impacted/Threatened Buffalo River: The sediments in the Buffalo River near the PVS property contain elevated levels of the same hazardous substances that are in groundwater at the PVS site.

Health Problem: People are not drinking the contaminated groundwater because the area is served by a public water supply that is not affected by this contamination. Additional information is needed to evaluate the potential for human exposures to other environmental media, such as surface water, sediments, soils or soil gas.

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Dump:	False
Structure:	False
Lagoon:	True
Landfill:	False
Pond:	False
Disp Start:	1930
Disp Term:	1977
Lat/Long:	42:51:05:0 / 78:50:03:0
Dell:	False
Record Add:	1999-11-18 12:00:00
Record Upd:	2011-05-03 12:48:00
Updated By:	MLDOSTER
Own Op:	Owner
Sub Type:	E
Owner Name:	Jon Taub
Owner Company:	PVS CHEMICALS, INC.
Owner Address:	10900 HARPER AVENUE
Owner Addr2:	Not reported
Owner City,St,Zip:	DETROIT, MI 48213
Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	E
Owner Name:	Chris Cancilla
Owner Company:	PVS Chemical, Inc
Owner Address:	55 Lee St.
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14210
Owner Country:	United States of America
HW Code:	915004
Waste Type:	CHLOROBENZENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	915004
Waste Type:	CADMIUM
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	915004
Waste Type:	ARSENIC
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	915004
Waste Type:	SULFURIC ACID
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	NYD001863372
Cross Ref Type Code:	06
Cross Ref Type:	RCRA EPA ID No.
Record Added Date:	1999-11-18 12:00:00
Record Updated:	2011-04-01 21:04:00
Updated By:	DADESNOY
Crossref ID:	15-S-50
Cross Ref Type Code:	07
Cross Ref Type:	Muni. Waste ID
Record Added Date:	1999-11-18 12:00:00
Record Updated:	2005-02-24 15:54:00
Updated By:	INITIAL
Crossref ID:	146

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Cross Ref Type Code: 14
Cross Ref Type: Assembly District
Record Added Date: 1999-11-18 12:00:00
Record Updated: 2005-02-24 15:54:00
Updated By: INITIAL
Crossref ID: allied chemical
Cross Ref Type Code: 27
Cross Ref Type: Alternate Site Name
Record Added Date: 2011-04-01 21:05:00
Record Updated: 2011-05-02 09:51:00
Updated By: BSRODRIG
Crossref ID: NYD980534390
Cross Ref Type Code: 06
Cross Ref Type: RCRA EPA ID No.
Record Added Date: 2012-11-28 15:08:00
Record Updated: 2012-11-28 15:08:00
Updated By: KALEWAND

LTANKS:
Facility ID: 8602726
Site ID: 160274
Closed Date: 1986-07-26
Spill Number: 8602726
Spill Date: 1986-07-26
Spill Cause: Tank Failure
Spill Source: Commercial/Industrial
Spill Class: Not reported
Cleanup Ceased: 1986-07-26
SWIS: 1502
Investigator: ROSS
Referred To: Not reported
Reported to Dept: 1986-07-26
CID: Not reported
Water Affected: BUFFALO RIVER
Spill Notifier: Responsible Party
Last Inspection: 1986-07-26
Recommended Penalty: False
Meets Standard: True
UST Involvement: False
Remediation Phase: 0
Date Entered In Computer: 1986-07-28
Spill Record Last Update: 1987-01-05
Spiller Name: Not reported
Spiller Company: PVS CHEMICAL CO
Spiller Address: 55 LEE ST.
Spiller County: 001
Spiller Contact: Not reported
Spiller Phone: Not reported
Spiller Extention: Not reported
DEC Region: 9
DER Facility ID: 135352
DEC Memo: "Prior to Sept, 2004 data translation this spill Lead_DEC Field was LQR / / : SITE INSPECTION 7/26/86 NO CLEAN UP POSSIBLE NO FURTHER ACTION TO BE TAKEN. "
Remarks: "AIR RELEASE"

All Materials:

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Site ID:	160274
Operable Unit ID:	899452
Operable Unit:	01
Material ID:	475588
Material Code:	0039A
Material Name:	sulfuric acid
Case No.:	07664939
Material FA:	Hazardous Material
Quantity:	20.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

CBS:

CBS Number:	9-000143
Program Type:	CBS
Facility Status:	Active
Expiration Date:	06/27/2019
Dec Region:	9
UTMX:	186120.08404
UTMY:	4753042.27888

CBS AST:

CBS Number:	9-000143
ICS Number:	9-179861
PBS Number:	9-439924
MOSF Number:	Not reported
SPDES Number:	0-110043
Facility Status:	IN SERVICE
Facility Type:	D
Telephone:	(716) 825-5762
Facility Town:	BUFFALO (C)
Region:	STATE
Expiration Date:	06/27/2003
Total Capacity of All Active Tanks(gal):	1109727
Operator:	RONALD RAZZOLINI
Emergency Contact:	ANNE SCHILLACI
Emergency Phone:	(716) 825-5762
Owner Name:	PVS CHEMICAL SOLUTIONS, INC.
Owner Address:	55 LEE STREET
Owner City,St,Zip:	BUFFALO, NY 14210
Owner Telephone:	(716) 825-5762
Owner Type:	Corporate/Commercial
Owner Sub Type:	Not reported
Mail Name:	PVS CHEMICAL SOLUTIONS, INC.
Mail Contact Addr:	55 LEE STREET
Mail Contact Addr2:	Not reported
Mail Contact Contact:	ANNE SCHILLACI
Mail Contact City,St,Zip:	BUFFALO, NY 14210
Mail Phone:	(716) 825-5762

Tank Id:	153
CAS Number:	7647010
Federal ID:	Not reported
Tank Status:	In Service

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Install Date:	12/99
Tank Closed:	Not reported
Capacity (Gal):	25000
Chemical:	Hydrochloric acid
Tank Location:	Indoors, Aboveground
Tank Type:	Steel/carbon steel
Total Tanks:	35
Tank Secret:	False
Tank Secondary Containment:	Vault
Tank Error Status:	No Missing Data
Date Entered:	06/27/1989
Certified Date:	06/14/2001
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	Rubber Liner
External Protection:	Painted/Asphalt Coating
Pipe Location:	Aboveground
Pipe Type:	Double Walled Fiberglass
Pipe Internal:	None
Pipe External:	None
Pipe Flag:	None
Leak Detection:	Concrete Pad w/channels
Overfill Protection:	High Level Alarm
Haz Percent:	31
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	1402
Lat/Long:	42|51|52 / 78|50|29
Is Updated:	False
Renew Date:	03/01/93
Is It There:	False
Delinquent:	False
Date Expired:	06/27/95
Owner Mark:	1
Certificate Needs to be Printed:	42|51|52 / 78|50|29
Fiscal Amt for Registration Fee Correct:	42|51|52 / 78|50|29
Renewal Has Been Printed for Facility:	42|51|52 / 78|50|29
Pre-Printed Renewal App Last Printed:	42|51|52 / 78|50|29

Tank Id:	151
CAS Number:	7647010
Federal ID:	Not reported
Tank Status:	In Service
Install Date:	12/99
Tank Closed:	Not reported
Capacity (Gal):	25000
Chemical:	Hydrochloric acid
Tank Location:	Indoors, Aboveground
Tank Type:	Steel/carbon steel
Total Tanks:	35
Tank Secret:	False
Tank Secondary Containment:	Vault
Tank Error Status:	No Missing Data
Date Entered:	06/27/1989
Certified Date:	06/14/2001
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	Rubber Liner

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

External Protection:	Painted/Asphalt Coating
Pipe Location:	Aboveground
Pipe Type:	Double Walled Fiberglass
Pipe Internal:	None
Pipe External:	None
Pipe Flag:	None
Leak Detection:	Concrete Pad w/channels
Overfill Protection:	High Level Alarm
Haz Percent:	31
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	1402
Lat/Long:	42|51|52 / 78|50|29
Is Updated:	False
Renew Date:	03/01/93
Is It There:	False
Delinquent:	False
Date Expired:	06/27/95
Owner Mark:	1
Certificate Needs to be Printed:	42|51|52 / 78|50|29
Fiscal Amt for Registration Fee Correct:	42|51|52 / 78|50|29
Renewal Has Been Printed for Facility:	42|51|52 / 78|50|29
Pre-Printed Renewal App Last Printed:	42|51|52 / 78|50|29

Tank Id:	410
CAS Number:	7664939
Federal ID:	Not reported
Tank Status:	In Service
Install Date:	12/98
Tank Closed:	Not reported
Capacity (Gal):	500
Chemical:	Sulfuric acid
Tank Location:	Indoors, Aboveground
Tank Type:	Fiberglass reinforced plastic [FRP]
Total Tanks:	35
Tank Secret:	False
Tank Secondary Containment:	Vault
Tank Error Status:	No Missing Data
Date Entered:	06/27/1989
Certified Date:	06/14/2001
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	None
External Protection:	None
Pipe Location:	Aboveground
Pipe Type:	Double Walled Fiberglass
Pipe Internal:	None
Pipe External:	None
Pipe Flag:	None
Leak Detection:	Other
Overfill Protection:	High Level Alarm
Haz Percent:	20
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	1402
Lat/Long:	42|51|52 / 78|50|29
Is Updated:	False

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Renew Date:	03/01/93
Is It There:	False
Delinquent:	False
Date Expired:	06/27/95
Owner Mark:	1
Certificate Needs to be Printed:	42|51|52 / 78|50|29
Fiscal Amt for Registration Fee Correct:	42|51|52 / 78|50|29
Renewal Has Been Printed for Facility:	42|51|52 / 78|50|29
Pre-Printed Renewal App Last Printed:	42|51|52 / 78|50|29

Tank Id:	132
CAS Number:	8014957
Federal ID:	Not reported
Tank Status:	In Service
Install Date:	10/89
Tank Closed:	Not reported
Capacity (Gal):	1101
Chemical:	Sulfuric acid
Tank Location:	Indoors, Aboveground
Tank Type:	Steel/carbon steel
Total Tanks:	35
Tank Secret:	False
Tank Secondary Containment:	Vault
Tank Error Status:	No Missing Data
Date Entered:	06/27/1989
Certified Date:	06/14/2001
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	None
External Protection:	Painted/Asphalt Coating
Pipe Location:	Aboveground
Pipe Type:	Steel/Iron
Pipe Internal:	None
Pipe External:	None
Pipe Flag:	None
Leak Detection:	Other
Overfill Protection:	High Level Alarm
Haz Percent:	100
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	1402
Lat/Long:	42|51|52 / 78|50|29
Is Updated:	False
Renew Date:	03/01/93
Is It There:	False
Delinquent:	False
Date Expired:	06/27/95
Owner Mark:	1
Certificate Needs to be Printed:	42|51|52 / 78|50|29
Fiscal Amt for Registration Fee Correct:	42|51|52 / 78|50|29
Renewal Has Been Printed for Facility:	42|51|52 / 78|50|29
Pre-Printed Renewal App Last Printed:	42|51|52 / 78|50|29

Tank Id:	171
CAS Number:	111422
Federal ID:	Not reported

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Tank Status:	In Service
Install Date:	09/93
Tank Closed:	Not reported
Capacity (Gal):	3600
Chemical:	Diethanolamine
Tank Location:	Indoors, Aboveground
Tank Type:	Stainless steel alloy
Total Tanks:	35
Tank Secret:	False
Tank Secondary Containment:	Vault
Tank Error Status:	No Missing Data
Date Entered:	06/05/1995
Certified Date:	06/14/2001
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	None
External Protection:	None
Pipe Location:	Aboveground
Pipe Type:	Wrapped Steel
Pipe Internal:	None
Pipe External:	None
Pipe Flag:	None
Leak Detection:	Concrete Pad w/channels
Overfill Protection:	Product Level Gauge
Haz Percent:	85
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	1402
Lat/Long:	42|51|52 / 78|50|29
Is Updated:	False
Renew Date:	03/01/93
Is It There:	False
Delinquent:	False
Date Expired:	06/27/95
Owner Mark:	1
Certificate Needs to be Printed:	42|51|52 / 78|50|29
Fiscal Amt for Registration Fee Correct:	42|51|52 / 78|50|29
Renewal Has Been Printed for Facility:	42|51|52 / 78|50|29
Pre-Printed Renewal App Last Printed:	42|51|52 / 78|50|29

Tank Id:	70
CAS Number:	7664939
Federal ID:	Not reported
Tank Status:	In Service
Install Date:	09/91
Tank Closed:	Not reported
Capacity (Gal):	12000
Chemical:	Sulfuric acid
Tank Location:	Indoors, Aboveground
Tank Type:	Fiberglass reinforced plastic [FRP]
Total Tanks:	35
Tank Secret:	False
Tank Secondary Containment:	Vault
Tank Error Status:	No Missing Data
Date Entered:	06/07/1993
Certified Date:	06/14/2001
Substance:	Single Hazardous Substance on DEC List

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Internal Protection:	None
External Protection:	None
Pipe Location:	Aboveground
Pipe Type:	Double Walled Fiberglass
Pipe Internal:	None
Pipe External:	None
Pipe Flag:	None
Leak Detection:	Other
Overfill Protection:	High Level Alarm
Haz Percent:	70
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	1402
Lat/Long:	42|51|52 / 78|50|29
Is Updated:	False
Renew Date:	03/01/93
Is It There:	False
Delinquent:	False
Date Expired:	06/27/95
Owner Mark:	1
Certificate Needs to be Printed:	42|51|52 / 78|50|29
Fiscal Amt for Registration Fee Correct:	42|51|52 / 78|50|29
Renewal Has Been Printed for Facility:	42|51|52 / 78|50|29
Pre-Printed Renewal App Last Printed:	42|51|52 / 78|50|29

Tank Id:	420
CAS Number:	7664939
Federal ID:	Not reported
Tank Status:	In Service
Install Date:	08/98
Tank Closed:	Not reported
Capacity (Gal):	326
Chemical:	Sulfuric acid
Tank Location:	Indoors, Aboveground
Tank Type:	Fiberglass reinforced plastic [FRP]
Total Tanks:	35
Tank Secret:	False
Tank Secondary Containment:	Vault
Tank Error Status:	No Missing Data
Date Entered:	06/27/1989
Certified Date:	06/14/2001
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	None
External Protection:	None
Pipe Location:	Aboveground
Pipe Type:	Double Walled Fiberglass
Pipe Internal:	None
Pipe External:	None
Pipe Flag:	None
Leak Detection:	Other
Overfill Protection:	High Level Alarm
Haz Percent:	10
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	1402
Lat/Long:	42|51|52 / 78|50|29

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Is Updated:	False
Renew Date:	03/01/93
Is It There:	False
Delinquent:	False
Date Expired:	06/27/95
Owner Mark:	1
Certificate Needs to be Printed:	42|51|52 / 78|50|29
Fiscal Amt for Registration Fee Correct:	42|51|52 / 78|50|29
Renewal Has Been Printed for Facility:	42|51|52 / 78|50|29
Pre-Printed Renewal App Last Printed:	42|51|52 / 78|50|29

Tank Id:	60
CAS Number:	7664939
Federal ID:	Not reported
Tank Status:	In Service
Install Date:	07/96
Tank Closed:	09/00
Capacity (Gal):	12000
Chemical:	Sulfuric acid
Tank Location:	Indoors, Aboveground
Tank Type:	Fiberglass reinforced plastic [FRP]
Total Tanks:	35
Tank Secret:	False
Tank Secondary Containment:	Vault
Tank Error Status:	No Missing Data
Date Entered:	06/27/1989
Certified Date:	06/14/2001
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	None
External Protection:	None
Pipe Location:	Aboveground
Pipe Type:	Double Walled Fiberglass
Pipe Internal:	None
Pipe External:	None
Pipe Flag:	None
Leak Detection:	Other
Overfill Protection:	Product Level Gauge
Haz Percent:	78
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	1402
Lat/Long:	42|51|52 / 78|50|29
Is Updated:	False
Renew Date:	03/01/93
Is It There:	False
Delinquent:	False
Date Expired:	06/27/95
Owner Mark:	1
Certificate Needs to be Printed:	42|51|52 / 78|50|29
Fiscal Amt for Registration Fee Correct:	42|51|52 / 78|50|29
Renewal Has Been Printed for Facility:	42|51|52 / 78|50|29
Pre-Printed Renewal App Last Printed:	42|51|52 / 78|50|29

Tank Id:	161
CAS Number:	7783188

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Federal ID:	Not reported
Tank Status:	In Service
Install Date:	07/91
Tank Closed:	08/94
Capacity (Gal):	13000
Chemical:	Not reported
Tank Location:	Indoors, Aboveground
Tank Type:	Fiberglass coated steel
Total Tanks:	35
Tank Secret:	False
Tank Secondary Containment:	Vault
Tank Error Status:	No Missing Data
Date Entered:	07/01/1991
Certified Date:	06/14/2001
Substance:	Single Hazardous Substance on DEC List
Internal Protection:	None
External Protection:	None
Pipe Location:	Aboveground
Pipe Type:	Wrapped Steel
Pipe Internal:	None
Pipe External:	None
Pipe Flag:	None
Leak Detection:	Other
Overfill Protection:	Product Level Gauge
Haz Percent:	58
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	1402
Lat/Long:	42|51|52 / 78|50|29
Is Updated:	False
Renew Date:	03/01/93
Is It There:	False
Delinquent:	False
Date Expired:	06/27/95
Owner Mark:	1
Certificate Needs to be Printed:	42|51|52 / 78|50|29
Fiscal Amt for Registration Fee Correct:	42|51|52 / 78|50|29
Renewal Has Been Printed for Facility:	42|51|52 / 78|50|29
Pre-Printed Renewal App Last Printed:	42|51|52 / 78|50|29

Tank Id:	163
CAS Number:	7783188
Federal ID:	Not reported
Tank Status:	In Service
Install Date:	07/91
Tank Closed:	08/94
Capacity (Gal):	13000
Chemical:	Not reported
Tank Location:	Indoors, Aboveground
Tank Type:	Fiberglass coated steel
Total Tanks:	35
Tank Secret:	False
Tank Secondary Containment:	Vault
Tank Error Status:	No Missing Data
Date Entered:	07/01/1991
Certified Date:	06/14/2001

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Substance:	Single Hazardous Substance on DEC List
Internal Protection:	None
External Protection:	None
Pipe Location:	Aboveground
Pipe Type:	Wrapped Steel
Pipe Internal:	None
Pipe External:	None
Pipe Flag:	None
Leak Detection:	Other
Overfill Protection:	Product Level Gauge
Haz Percent:	58
Last Test:	Not reported
Due Date:	Not reported
SWIS Code:	1402
Lat/Long:	42|51|52 / 78|50|29
Is Updated:	False
Renew Date:	03/01/93
Is It There:	False
Delinquent:	False
Date Expired:	06/27/95
Owner Mark:	1
Certificate Needs to be Printed:	42|51|52 / 78|50|29
Fiscal Amt for Registration Fee Correct:	42|51|52 / 78|50|29
Renewal Has Been Printed for Facility:	42|51|52 / 78|50|29
Pre-Printed Renewal App Last Printed:	42|51|52 / 78|50|29

Click this hyperlink while viewing on your computer to access
42 additional NY_AST_CBS: record(s) in the EDR Site Report.

SPILLS:

Facility ID:	1410588
Facility Type:	ER
Spill Number:	1410588
DER Facility ID:	135352
Site ID:	504282
DEC Region:	9
Closed Date:	2015-02-03
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	1502
Spill Date:	2015-01-30
Investigator:	TDJOHNSO
Referred To:	Not reported
Reported to Dept:	2015-01-30
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial Vehicle
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2015-01-30
Spill Record Last Update:	2015-02-03
Spiller Name:	CHRIS CANCILLA

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Spiller Company:	PVS CHEMICAL
Spiller Address:	55 LEE ST
Spiller Company:	999
Contact Name:	CHRIS CANCILLA
DEC Memo:	"01/30/15 TDJ WENT TO PVS FACILITY AND WAS MET BY PLANT MANAGER CHRIS CANCILLA (716)825-5762. HE LED ME BACK TO SULFURIC LOADING AREA WHERE TANKER BEING LOADED HAD RELEASE FROM VENT ON TOP OF TANKER. WHEN NOTICED PUMP WAS SHUT DOWN AND ACID WHICH DID NOT STAY IN RETENTION AREA UNDER THE TANKER BEGAN MELTING THE SNOW FROM THE HEAT MOVING AWAY FROM THE CONTAINMENT AREA. BAGS OF SODA ASH WAS SPREAD TO CONTAIN AND NEUTRALIZE THE FLOW. NO HAZARDOUS ODORS LEFT THE SITE AND NO WATERWAYS WERE AFFECTED. ADDITIONAL BAGS OF POWDER WERE BEING SUPPLIED TO ADD TO ANY LIQUID IN THE CONTAINMENT AREA. MATERIAL WILL BE SWEPT AND PLACED INTO GENERAL COMPANY NON-HAZ WASTE COLLECTION AREA. ALL NATERIAL HAS BEEN NEUTRALIZED. SITE WAS CLEANED TO SATISFACTION OF DEC SITE MANAGER. NO FURTHER ACTION FILE CLOSED TO ELECTRONIC ONLY "
Remarks:	"Rough estimate of 3,000 pounds of Sulfuric Acid overflowed from a trailer when the loading equipment failed to shut off at its predetermined point. Most material spilled to containment area, the rest hit pavement and has been neutralized. Clean up in progress."

All Materials:

Site ID:	504282
Operable Unit ID:	1253625
Operable Unit:	01
Material ID:	2255919
Material Code:	0039A
Material Name:	sulfuric acid
Case No.:	07664939
Material FA:	Hazardous Material
Quantity:	3000.00
Units:	L
Recovered:	Not reported
Oxygenate:	Not reported

Facility ID:	0411622
Facility Type:	ER
Spill Number:	0411622
DER Facility ID:	135352
Site ID:	336864
DEC Region:	9
Closed Date:	2005-01-31
Spill Cause:	Equipment Failure
Spill Class:	C1
SWIS:	1502
Spill Date:	2005-01-30
Investigator:	JFOTTO
Referred To:	Not reported
Reported to Dept:	2005-01-30
CID:	38
Water Affected:	BUFFALO RIVER
Spill Source:	Major Facility (MOSF) > 400,000 gal
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2005-01-31
Spill Record Last Update:	2005-02-03
Spiller Name:	ON CALL PERSON
Spiller Company:	PVS CHEMICALS
Spiller Address:	55 LEE ST
Spiller Company:	001
Contact Name:	ON CALL PERSON
DEC Memo:	"this spill was handled by the jerry palumbo duty officer and refered to the div of water (bruce wager). no action necessary or possible by spills. closed there is no paper file for this spill"
Remarks:	"Pipeline failure at facility. 2 lbs of sulfuric acid went into Buffalo River, .1 lb was cleaned up by staff neatralizing with soda ash. Pvs repaired pipeline."

All Materials:

Site ID:	336864
Operable Unit ID:	1098865
Operable Unit:	01
Material ID:	579073
Material Code:	0039A
Material Name:	sulfuric acid
Case No.:	07664939
Material FA:	Hazardous Material
Quantity:	2.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Facility ID:	0912428
Facility Type:	ER
Spill Number:	0912428
DER Facility ID:	135352
Site ID:	425316
DEC Region:	9
Closed Date:	2010-03-01
Spill Cause:	Equipment Failure
Spill Class:	B3
SWIS:	1502
Spill Date:	2010-02-27
Investigator:	TDJOHNSO
Referred To:	Not reported
Reported to Dept:	2010-02-27
CID:	Not reported
Water Affected:	BUFFALO RIVER
Spill Source:	Commercial/Industrial
Spill Notifier:	Other
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2010-02-27
Spill Record Last Update:	2010-03-02

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Spiller Name:	CHRIS CANCILLA
Spiller Company:	PVS CHEMICAL SOLUTIONS
Spiller Address:	55 LEE ST
Spiller Company:	999
Contact Name:	CHRIS CANCILLA
DEC Memo:	"3/1/10 TDJ SPOKE WITH CHRIS ABOUT SPILL AND WAS TOLD ACID WAS RELEASED INTO COOLING WATER WHICH WAS DISCHARGED TO BUFFALO RIVER. LOOKED AT RIVER WHICH IS TOTALLY FROZEN OVER EXEPT NEAR OUTFALL WHERE SMALL AREA OF OPEN WATER WAS OBSERVED. NO FISH KILL WAS EVIDENT WITH ICE AND SNOW COVER. RECEIVED RELEASE REPORT FROM PVS AND AFTER DISCUSSION WITH DAN KING, GREG SUTTON AND BRUCE WAGER SPILL WAS REFERRED TO WATER DIVISION. NO FURTHER ACTION FILE CLOSED"
Remarks:	"DUE TO A FAILED HEAT EXCHANGER 200-300 LBS WAS RELEASED INTO COOLING WATER SIDE WHICH RELEASED THE BUFFALO RIVER."

All Materials:

Site ID:	425316
Operable Unit ID:	1181039
Operable Unit:	01
Material ID:	2175100
Material Code:	0039A
Material Name:	sulfuric acid
Case No.:	07664939
Material FA:	Hazardous Material
Quantity:	300.00
Units:	L
Recovered:	300.00
Oxygenate:	Not reported

Facility ID:	0000618
Facility Type:	ER
Spill Number:	0000618
DER Facility ID:	89448
Site ID:	100785
DEC Region:	9
Closed Date:	2000-04-17
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	1502
Spill Date:	2000-04-16
Investigator:	SACALAND
Referred To:	Not reported
Reported to Dept:	2000-04-16
CID:	398
Water Affected:	BUFFALO RIVER
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2000-04-16
Spill Record Last Update:	2000-04-21
Spiller Name:	CHRIS CANCILLA
Spiller Company:	PVS CHEMICAL SOLUTIONS

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Spiller Address:	55 LEE STREET
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was SAC 04/17/00: SAC NOTE TO FILE, AFTER HOURS COMPLAINT HANDLED BY DUTY OFFICER JERRY PALUMBO, INCIDENT WAS A SPDES VIOLATION WITH FURTHER FOLLOWUP BY BRUCE WAGER, DIVISION OF WATER, SPILL CLOSEOUT."
Remarks:	"SPDES PERMIT MIN PH 6 AND WENT BELOW 6. ACID MIXED WITH WATER DUMPED INTO BUFFALO RIVER. WATER ISOLATED. SYSTEM SECURE. HEAT EXCHANGER FAILED. "

All Materials:

Site ID:	100785
Operable Unit ID:	822311
Operable Unit:	01
Material ID:	288858
Material Code:	0039A
Material Name:	sulfuric acid
Case No.:	07664939
Material FA:	Hazardous Material
Quantity:	309.00
Units:	L
Recovered:	.00
Oxygenate:	Not reported

Facility ID:	0007116
Facility Type:	ER
Spill Number:	0007116
DER Facility ID:	89448
Site ID:	100786
DEC Region:	9
Closed Date:	2000-09-18
Spill Cause:	Equipment Failure
Spill Class:	C6
SWIS:	1502
Spill Date:	2000-09-16
Investigator:	JFOTTO
Referred To:	Not reported
Reported to Dept:	2000-09-16
CID:	397
Water Affected:	BUFFALO RIVER
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	False
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2000-09-16
Spill Record Last Update:	2000-11-01
Spiller Name:	ANNE SCHILLACI
Spiller Company:	PVS CHEMICAL
Spiller Address:	55 LEE STREET
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

JFO 09/18/00: JFO NOTE TO FILE, THIS SPILL WAS REFERRED TO THE DIV. OF WATER BY THE DUTY OFFICER JERRY PALUMBO. SPILLS WAS NOT NOTIFIED OF THE INCIDENT, NO RESPONSE, NO ACTION NOW POSSIBLE BY SPILLS. CLOSED "

Remarks: "equipment failure caused a release of acid into a non contact cooling water, which will eventually spill into the river"

All Materials:

Site ID:	100786
Operable Unit ID:	829899
Operable Unit:	01
Material ID:	548217
Material Code:	0039A
Material Name:	sulfuric acid
Case No.:	07664939
Material FA:	Hazardous Material
Quantity:	88.00
Units:	L
Recovered:	.00
Oxygenate:	Not reported

Facility ID:	0011611
Facility Type:	ER
Spill Number:	0011611
DER Facility ID:	89448
Site ID:	100787
DEC Region:	9
Closed Date:	2001-01-29
Spill Cause:	Equipment Failure
Spill Class:	C4
SWIS:	1502
Spill Date:	2001-01-26
Investigator:	FXGALLEG
Referred To:	Not reported
Reported to Dept:	2001-01-27
CID:	398
Water Affected:	BUFFALO RIVER
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	Not reported
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	2001-01-27
Spill Record Last Update:	2001-02-08
Spiller Name:	Not reported
Spiller Company:	PVS CHEMICALS
Spiller Address:	55 LEE STREET
Spiller Company:	001
Contact Name:	ANNE SCHILLACI
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was FG 01/29/01: FG NOTE TO FILE, DUTY OFFICER PROVIDED REPORT: CHRIS CANCILLA ADVISED THAT HEAT EXCHANGER HAD A TUBE FAILURE & ABOUT 140 POUNDS OF SULFURIC ACID WAS DISCHARGED TO THE BUFFALO RIVER ALONG WITH THE NON-CONTACT COOLING WATER. HEAT EXCHANGER HAS BEEN SHUT DOWN

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

& A REPORT WILL BE SENT TO BRUCE WAGER ON MONDAY. FG SPOKE TO BRUCE WAGER WHO SAID THAT THE INCIDENT IS OVER, THE SPILL WENT TO THE BUFFALO RIVER. MR. WAGER WILL HANDLE THE FOLLOW UP FOR THIS INCIDENT. NO FURTHER WORK BY SPILLS IS REQUIRED. THE SITE CAN BE CLOSED."

Remarks: "heat exchanger failed. no call back requested. unit shut down and all secure at 21:24 01/26/01. followup report monday ."

All Materials:

Site ID:	100787
Operable Unit ID:	833630
Operable Unit:	01
Material ID:	541918
Material Code:	0039A
Material Name:	sulfuric acid
Case No.:	07664939
Material FA:	Hazardous Material
Quantity:	140.00
Units:	L
Recovered:	.00
Oxygenate:	Not reported

Facility ID:	8700944
Facility Type:	ER
Spill Number:	8700944
DER Facility ID:	89448
Site ID:	100789
DEC Region:	9
Closed Date:	1987-05-04
Spill Cause:	Unknown
Spill Class:	Not reported
SWIS:	1502
Spill Date:	1987-05-04
Investigator:	COOKE
Referred To:	Not reported
Reported to Dept:	1987-05-04
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	1987-05-04
Cleanup Meets Std:	True
Last Inspection:	1987-05-04
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1987-05-11
Spill Record Last Update:	2004-09-30
Spiller Name:	Not reported
Spiller Company:	PVS CHEMICAL
Spiller Address:	55 LEE STREET
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was JDC / / : REFERRED TO AIR, H. SANDANATO, 05/04/87. / / : R SPEED REFERRED TO AIR UNIT (H SANDANATO) NO FURTHER ACTION BY SPILL UNIT. 09/29/95: This is additional information about material spilled from the translation of the old spill file: STACK EMISION."

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Remarks:	""
Facility ID:	8702972
Facility Type:	ER
Spill Number:	8702972
DER Facility ID:	89448
Site ID:	100790
DEC Region:	9
Closed Date:	1987-09-11
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	1502
Spill Date:	1987-07-13
Investigator:	LEARY
Referred To:	Not reported
Reported to Dept:	1987-07-13
CID:	Not reported
Water Affected:	BUFFALO RIVER
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	1987-09-11
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1987-07-14
Spill Record Last Update:	1987-09-14
Spiller Name:	Not reported
Spiller Company:	CHEMICAL PROCESS & SUPPLY
Spiller Address:	55 LEE STREET
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was RNL / / : REFERED TO WATER BRUCE WAGER 07/13/87 TO INVESTIGATED. / / : RNL 09/11/87, WATER, B. WAGER, SATISFIED, CLEANED UP BY SPILLER. 09/29/95: This is additional information about material spilled from the translation of the old spill file: ACID."
Remarks:	"LEAK IN COLLING WATER TO SPDES DISCHARGE"
Facility ID:	8704461
Facility Type:	ER
Spill Number:	8704461
DER Facility ID:	89448
Site ID:	100791
DEC Region:	9
Closed Date:	1987-08-28
Spill Cause:	Human Error
Spill Class:	Not reported
SWIS:	1502
Spill Date:	1987-08-28
Investigator:	PRINGLE
Referred To:	Not reported
Reported to Dept:	1987-08-28
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Spill Notifier:	Responsible Party
Cleanup Ceased:	1987-08-28
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1987-08-31
Spill Record Last Update:	1987-09-01
Spiller Name:	Not reported
Spiller Company:	PVS
Spiller Address:	55 LEE STREET
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MNP / / : 8/28/87 ARMBRUST TELECON TO PVS, PROBLEM RESOLVED;REFERRED TO AIR, SANDONTO FOR ANY FOLLOWUP, COMPLETE. 09/29/95: This is additional information about material spilled from the translation of the old spill file: SULFURIC ACID MIST."
Remarks:	"ACID RELEASE FROM STACK DURING PLANT STARTUP"
Facility ID:	8709563
Facility Type:	ER
Spill Number:	8709563
DER Facility ID:	89448
Site ID:	100792
DEC Region:	9
Closed Date:	1988-02-12
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	1502
Spill Date:	1988-02-10
Investigator:	COOKE
Referred To:	Not reported
Reported to Dept:	1988-02-10
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	1988-02-12
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1988-02-12
Spill Record Last Update:	1988-03-29
Spiller Name:	Not reported
Spiller Company:	PVS CHEMICAL
Spiller Address:	55 LEE STREET
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was JDC 02/11/88: REFERRED TO AIR, SANDONATO BY ARMBRUST. "
Remarks:	"SULFUR DIOXIDE EMMISSION TO AIR"

All Materials:

Site ID:	100792

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Operable Unit ID:	915003
Operable Unit:	01
Material ID:	464891
Material Code:	0127A
Material Name:	sulfur dioxide
Case No.:	07446095
Material FA:	Hazardous Material
Quantity:	70.00
Units:	L
Recovered:	.00
Oxygenate:	Not reported

Facility ID:	8800398
Facility Type:	ER
Spill Number:	8800398
DER Facility ID:	89448
Site ID:	100793
DEC Region:	9
Closed Date:	1988-04-13
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	1502
Spill Date:	1988-04-12
Investigator:	PRINGLE
Referred To:	Not reported
Reported to Dept:	1988-04-13
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	1988-04-13
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1988-04-14
Spill Record Last Update:	1988-04-15
Spiller Name:	Not reported
Spiller Company:	PVS CHEMICAL
Spiller Address:	55 LEE STREET
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MNP 04/14/88: AIR RELEASE REFERRED TO DIV OF AIR RESOURCES FOR FOLLOWUP NO FURTHER ACTION BY SPILL GROUP. 09/29/95: This is additional information about material spilled from the translation of the old spill file: SULFER TRIOXIDE."
Remarks:	"AIR RELEASE DUE TO PUMP COUPLING FAILURE"

Facility ID:	8801202
Facility Type:	ER
Spill Number:	8801202
DER Facility ID:	89448
Site ID:	100794
DEC Region:	9

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Closed Date:	1988-05-09
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	1502
Spill Date:	1988-05-08
Investigator:	MJHINTON
Referred To:	Not reported
Reported to Dept:	1988-05-08
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	1988-05-09
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1988-05-10
Spill Record Last Update:	1988-05-19
Spiller Name:	Not reported
Spiller Company:	PVS CHEMICAL
Spiller Address:	55 LEE STREET
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MJH 05/10/88: SPILL FOLLOWUP REFERRED TO AIR RESOURCES DIVISION. "
Remarks:	"AIR RELEASE DUE TO EQUIPMENT FAILURE PLANT SHUTDOWN WHILE REPAIRS ARE MADE"

All Materials:

Site ID:	100794
Operable Unit ID:	918359
Operable Unit:	01
Material ID:	557688
Material Code:	1701A
Material Name:	sodium dioxide
Case No.:	Not reported
Material FA:	Other
Quantity:	.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Facility ID:	8806982
Facility Type:	ER
Spill Number:	8806982
DER Facility ID:	89448
Site ID:	100795
DEC Region:	9
Closed Date:	1988-11-29
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	1502
Spill Date:	1988-11-21
Investigator:	FIX
Referred To:	Not reported

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Reported to Dept:	1988-11-21
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	1988-11-29
Cleanup Meets Std:	True
Last Inspection:	1988-11-22
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1988-11-22
Spill Record Last Update:	1988-12-13
Spiller Name:	Not reported
Spiller Company:	PVS
Spiller Address:	55LEE STREET
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was CAF 11/21/88: CAF SITE VISIT WAS SHOWN CONTAINMENT EFFORTS,CLEAN UP TO FOLLOW. 11/22/88: CAF SITE VISIT REASONABLE CLEAN UP EFFORT MADE,NO FUTHER ACTION CONTEMPLATED. "
Remarks:	"OLEUM SPILLED OUT OF TANK DUE TO POWER OUTAGE,SODA ASH USED TO NEUTRALIZE SPILLED ACID."

All Materials:

Site ID:	100795
Operable Unit ID:	923714
Operable Unit:	01
Material ID:	455332
Material Code:	0039A
Material Name:	sulfuric acid
Case No.:	07664939
Material FA:	Hazardous Material
Quantity:	50.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Facility ID:	8904524
Facility Type:	ER
Spill Number:	8904524
DER Facility ID:	89448
Site ID:	100796
DEC Region:	9
Closed Date:	1989-08-11
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	1502
Spill Date:	1989-08-07
Investigator:	FIX
Referred To:	Not reported
Reported to Dept:	1989-08-07
CID:	Not reported
Water Affected:	BUFFALO RIVER
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Cleanup Ceased:	1989-08-11
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1989-08-08
Spill Record Last Update:	1989-08-16
Spiller Name:	Not reported
Spiller Company:	PVS CHEMICAL
Spiller Address:	55 LEE STREET
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was CAF 08/07/89: CAF SPOKE TO B. WAGER HE SAID BOB STANTON(AIR) RESPONDED TO THE CALL. 08/11/89: CAF REVIEWED LETTER FROM CHRIS CANCILLA PVS CHEMICALS TO MR. STANTON,CLEANUP COMPLETED,NO FURTHER ACTION PLANNED. "
Remarks:	"CLOUD HIT WITH WATER FOG-TURNED INTO SULFURIC ACID LANDED ON CONCRETE WITHIN BUILDING DRAINED TO OUTFALL # 1 SPDES NY 0110043.WAGER AND STANTON NOTIFIED."

All Materials:

Site ID:	100796
Operable Unit ID:	932135
Operable Unit:	01
Material ID:	448570
Material Code:	0129A
Material Name:	sulfur trioxide
Case No.:	07446119
Material FA:	Hazardous Material
Quantity:	1.00
Units:	L
Recovered:	.00
Oxygenate:	Not reported

Facility ID:	8905219
Facility Type:	ER
Spill Number:	8905219
DER Facility ID:	89448
Site ID:	100797
DEC Region:	9
Closed Date:	1989-08-26
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	1502
Spill Date:	1989-08-25
Investigator:	COOKE
Referred To:	Not reported
Reported to Dept:	1989-08-26
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	1989-08-26
Cleanup Meets Std:	True
Last Inspection:	Not reported

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1989-09-05
Spill Record Last Update:	1989-09-18
Spiller Name:	Not reported
Spiller Company:	PVS CHEMICALS
Spiller Address:	55 LEE STREET
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was JDC 08/26/89: AIR SECTION WILL DO FOLLOWUP. NO FURTHER ACTION WILL BE REQUIRED BY THIS UNIT. 09/29/95: This is additional information about material spilled from the translation of the old spill file: HYDROGEN SOLFATE."
Remarks:	"AIR RELEASE CREATING A CLOUD"

All Materials:

Site ID:	100797
Operable Unit ID:	932940
Operable Unit:	01
Material ID:	445658
Material Code:	0066A
Material Name:	unknown petroleum
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	.00
Units:	L
Recovered:	.00
Oxygenate:	Not reported

Facility ID:	9100414
Facility Type:	ER
Spill Number:	9100414
DER Facility ID:	89448
Site ID:	100798
DEC Region:	9
Closed Date:	1991-04-12
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	1502
Spill Date:	1991-04-10
Investigator:	LYONS
Referred To:	Not reported
Reported to Dept:	1991-04-10
CID:	Not reported
Water Affected:	BUFFALO RIVER
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	1991-04-12
Cleanup Meets Std:	True
Last Inspection:	1991-04-10
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1991-04-12
Spill Record Last Update:	1992-03-13

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Spiller Name:	Not reported
Spiller Company:	PVS CHEMICAL
Spiller Address:	55 LEE STREET
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MEL 04/10/91: MEL INSP. SPILLAGE STOPPED. PH OF EFFLUENT TO RIVER AT8.9 TO 9.0. LARGE AREA OF CONTAMINATED SOIL PRESENT. 04/12/91: MEL SPOKE WITH BRUCE WAGER, SPDES. SPDES TO HANDLE SITE, NO FURTHER SPILL UNIT INVOLVEMENT NECESSARY. RECOMMEND FILE BE CLOSED. 09/29/95: This is additional information about material spilled from the translation of the old spill file: SULFURIC ACID 80%."
Remarks:	""
Facility ID:	9109272
Facility Type:	ER
Spill Number:	9109272
DER Facility ID:	89448
Site ID:	100799
DEC Region:	9
Closed Date:	1991-12-02
Spill Cause:	Equipment Failure
Spill Class:	Not reported
SWIS:	1502
Spill Date:	1991-11-30
Investigator:	MXFRANKS
Referred To:	Not reported
Reported to Dept:	1991-11-30
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	1991-12-02
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1991-12-02
Spill Record Last Update:	1991-12-19
Spiller Name:	Not reported
Spiller Company:	PVS CHEMICAL
Spiller Address:	55 LEE STREET
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MF 12/02/91: MF 12/02/91 RECEIVED SPILL FROM DUTY OFFICER. REFERED SPILL TO AIR DIVISION. NO FURTHER ACTION NECESSARY. 09/29/95: This is additional information about material spilled from the translation of the old spill file: AIR VIOLATION."
Remarks:	"OPACITY READING EXCEEDED DUE TO POWER FAILURE. SHOULD RETURN TO NORMAL."
Facility ID:	9110556
Facility Type:	ER
Spill Number:	9110556
DER Facility ID:	89448

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Site ID:	100800
DEC Region:	9
Closed Date:	1992-01-10
Spill Cause:	Human Error
Spill Class:	Not reported
SWIS:	1502
Spill Date:	1992-01-09
Investigator:	MXFRANKS
Referred To:	Not reported
Reported to Dept:	1992-01-09
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	1992-01-10
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1992-01-09
Spill Record Last Update:	1992-01-30
Spiller Name:	Not reported
Spiller Company:	PVS CHEMICAL
Spiller Address:	55 LEE STREET
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MF 01/09/92: MF 1/9/92 COPY OF REPORT TO BOB SPEED. 01/10/92: MF 1/10/92 MEMO TO BOB SPEED REFERRING SPILL TO SPDES. NO FURTHER ACTION NECESSARY. "
Remarks:	"FEED OIL FEED LINE NICKED BY BACKHOE."

All Materials:

Site ID:	100800
Operable Unit ID:	964139
Operable Unit:	01
Material ID:	419080
Material Code:	0001A
Material Name:	#2 fuel oil
Case No.:	Not reported
Material FA:	Petroleum
Quantity:	38.00
Units:	G
Recovered:	30.00
Oxygenate:	Not reported

Facility ID:	9200379
Facility Type:	ER
Spill Number:	9200379
DER Facility ID:	89448
Site ID:	100801
DEC Region:	9
Closed Date:	1992-04-13
Spill Cause:	Equipment Failure
Spill Class:	D6
SWIS:	1502

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Spill Date:	1992-04-09
Investigator:	MJHINTON
Referred To:	Not reported
Reported to Dept:	1992-04-09
CID:	Not reported
Water Affected:	BUFFALO RIVER
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	1992-04-13
Cleanup Meets Std:	True
Last Inspection:	1992-04-13
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1992-04-13
Spill Record Last Update:	1992-11-13
Spiller Name:	Not reported
Spiller Company:	PVS CHEMICALS
Spiller Address:	55 LEE STREET
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was MJH 04/13/92: DOW TO FOLLOWUP ON SPDES EXCURSION NO ACTION BY SPILL UNIT NECESSARY. "
Remarks:	"LEAK IN PIPELINE DUE TO CORROSION"

All Materials:

Site ID:	100801
Operable Unit ID:	964320
Operable Unit:	01
Material ID:	415186
Material Code:	0039A
Material Name:	sulfuric acid
Case No.:	07664939
Material FA:	Hazardous Material
Quantity:	1000.00
Units:	L
Recovered:	.00
Oxygenate:	Not reported

Facility ID:	9201381
Facility Type:	ER
Spill Number:	9201381
DER Facility ID:	89448
Site ID:	100802
DEC Region:	9
Closed Date:	1992-05-05
Spill Cause:	Human Error
Spill Class:	B4
SWIS:	1502
Spill Date:	1992-05-02
Investigator:	LEARY
Referred To:	Not reported
Reported to Dept:	1992-05-04
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Spill Notifier:	Responsible Party
Cleanup Ceased:	1992-05-05
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False
Remediation Phase:	0
Date Entered In Computer:	1992-05-06
Spill Record Last Update:	1992-08-03
Spiller Name:	Not reported
Spiller Company:	PVS CHEMICAL
Spiller Address:	55 LEE STREET
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was RNL 05/05/92: RNL INFO 05/05/92, PROCESS TANK OVERFALL AT PVS, OVERFLOW TO SPDES DISCHARGE, NO RECOVERY POSSIBLE EXCEPT FOR LIQUID ON FLOOR; RNL REFERRED TO WATER 05/05/92, 0935. "
Remarks:	"SPDES DISCHARGE TO BUFFALO RIVER"

All Materials:

Site ID:	100802
Operable Unit ID:	968738
Operable Unit:	01
Material ID:	412699
Material Code:	0039A
Material Name:	sulfuric acid
Case No.:	07664939
Material FA:	Hazardous Material
Quantity:	20.00
Units:	G
Recovered:	.00
Oxygenate:	Not reported

Facility ID:	9207413
Facility Type:	ER
Spill Number:	9207413
DER Facility ID:	89448
Site ID:	100803
DEC Region:	9
Closed Date:	1992-09-28
Spill Cause:	Equipment Failure
Spill Class:	B3
SWIS:	1502
Spill Date:	1992-09-26
Investigator:	SACALAND
Referred To:	Not reported
Reported to Dept:	1992-09-26
CID:	Not reported
Water Affected:	Not reported
Spill Source:	Commercial/Industrial
Spill Notifier:	Responsible Party
Cleanup Ceased:	1992-09-28
Cleanup Meets Std:	True
Last Inspection:	Not reported
Recommended Penalty:	False
UST Trust:	False

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Remediation Phase:	0
Date Entered In Computer:	1992-09-28
Spill Record Last Update:	1992-10-19
Spiller Name:	Not reported
Spiller Company:	PVS
Spiller Address:	55 LEE STREET
Spiller Company:	001
Contact Name:	Not reported
DEC Memo:	"Prior to Sept, 2004 data translation this spill Lead_DEC Field was SAC 09/28/92: SAC - REFERRED TO DIVISION OF WATER. 09/29/95: This is additional information about material spilled from the translation of the old spill file: H2S04."
Remarks:	"INTERNAL LEAK IN HEAT EXCHANGER. SHUT DOWN PLANT, SPILL NEUTRALIZED. COPY TO WATER DIVISION 9/28/92."

AIRS:

Permit Type:	ATV
Permit Status:	Issued
Issue Date:	10/02/2017
Expiration Date:	10/01/2022
County Fips:	Not reported
DEC Id:	9140200435
Emission Unit Id:	Not reported
Process Id:	Not reported
Contaminant Name/cas:	Not reported
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	Not reported
Unit:	Not reported
Auth Type Code:	2
Latitude:	78.840950548
Longitude:	42.864778309

Permit Type:	ATV
Permit Status:	Expired
Issue Date:	05/10/2002
Expiration Date:	05/10/2007
County Fips:	Not reported
DEC Id:	9140200435
Emission Unit Id:	Not reported
Process Id:	Not reported
Contaminant Name/cas:	Not reported
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	Not reported
Unit:	Not reported
Auth Type Code:	7
Latitude:	78.840950548
Longitude:	42.864778309

Permit Type:	ATV
Permit Status:	Expired
Issue Date:	06/24/2009
Expiration Date:	06/23/2014
County Fips:	Not reported
DEC Id:	9140200435
Emission Unit Id:	Not reported

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Process Id:	Not reported
Contaminant Name/cas:	Not reported
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	Not reported
Unit:	Not reported
Auth Type Code:	7
Latitude:	78.840950548
Longitude:	42.864778309

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	UFAC01
Process Id:	017EI
Contaminant Name/cas:	PM25-PRI
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.21202605
Unit:	TON
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	U00090
Process Id:	017FP
Contaminant Name/cas:	PM25-PRI
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.14885855
Unit:	TON
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	UFAC01
Process Id:	017EI
Contaminant Name/cas:	VOC
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.15344999
Unit:	TON

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Auth Type Code: Not reported
Latitude: Not reported
Longitude: Not reported

Permit Type: Not reported
Permit Status: Not reported
Issue Date: Not reported
Expiration Date: Not reported
County Fips: 36029
DEC Id: 9140200435
Emission Unit Id: UFAC01
Process Id: 017EI
Contaminant Name/cas: SO2
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 0.01673999
Unit: TON
Auth Type Code: Not reported
Latitude: Not reported
Longitude: Not reported

Permit Type: Not reported
Permit Status: Not reported
Issue Date: Not reported
Expiration Date: Not reported
County Fips: 36029
DEC Id: 9140200435
Emission Unit Id: UFAC01
Process Id: 017EI
Contaminant Name/cas: PM10-PRI
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 0.21202499
Unit: TON
Auth Type Code: Not reported
Latitude: Not reported
Longitude: Not reported

Permit Type: Not reported
Permit Status: Not reported
Issue Date: Not reported
Expiration Date: Not reported
County Fips: 36029
DEC Id: 9140200435
Emission Unit Id: UFAC01
Process Id: 017EI
Contaminant Name/cas: NOX
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 2.79
Unit: TON
Auth Type Code: Not reported
Latitude: Not reported
Longitude: Not reported

Permit Type: Not reported
Permit Status: Not reported

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	UFAC01
Process Id:	017EI
Contaminant Name/cas:	CO
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	2.34360009
Unit:	TON
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	UFAC01
Process Id:	017EI
Contaminant Name/cas:	7439921
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.02
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	U00090
Process Id:	017FP
Contaminant Name/cas:	SO2
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.01181999
Unit:	TON
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	U00090
Process Id:	017FP

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Contaminant Name/cas:	PM10-PRI
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.14885499
Unit:	TON
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	U00090
Process Id:	017FP
Contaminant Name/cas:	NOX
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	1.97
Unit:	TON
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	U00090
Process Id:	017FP
Contaminant Name/cas:	NH3
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	126.080001
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	U00090
Process Id:	017FP
Contaminant Name/cas:	CO
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	1.65480004
Unit:	TON
Auth Type Code:	Not reported

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	U00090
Process Id:	017FP
Contaminant Name/cas:	91203
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.01
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	U00090
Process Id:	017FP
Contaminant Name/cas:	86737
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0001
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	U00090
Process Id:	017FP
Contaminant Name/cas:	85018
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0005
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	U00090
Process Id:	017FP
Contaminant Name/cas:	83329
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0001
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	U00090
Process Id:	017FP
Contaminant Name/cas:	7782492
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0009
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	U00090
Process Id:	017FP
Contaminant Name/cas:	7440484
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0033
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	U00090
Process Id:	017FP
Contaminant Name/cas:	7440473

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.05
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	U00090
Process Id:	017FP
Contaminant Name/cas:	7440439
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.03999999
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	U00090
Process Id:	017FP
Contaminant Name/cas:	7440417
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0005
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	U00090
Process Id:	017FP
Contaminant Name/cas:	7440382
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0079
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	U00090
Process Id:	017FP
Contaminant Name/cas:	7440020
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.07999999
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	U00090
Process Id:	017FP
Contaminant Name/cas:	7439976
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.01
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	U00090
Process Id:	017FP
Contaminant Name/cas:	7439965
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.01
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	U00090
Process Id:	017FP
Contaminant Name/cas:	7439921
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.01
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	U00090
Process Id:	017FP
Contaminant Name/cas:	71432
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.05
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	U00090
Process Id:	017FP
Contaminant Name/cas:	56553
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	U00090
Process Id:	017FP
Contaminant Name/cas:	50328
Epa Control Code:	Not reported

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Contol Eff:	Not reported
Emissions:	0
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	U00090
Process Id:	017FP
Contaminant Name/cas:	50000
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	1.98000001
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	U00090
Process Id:	017FP
Contaminant Name/cas:	218019
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	U00090
Process Id:	017FP
Contaminant Name/cas:	207089
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	U00090
Process Id:	017FP
Contaminant Name/cas:	206440
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0001
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	U00090
Process Id:	017FP
Contaminant Name/cas:	205992
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0001
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	U00090
Process Id:	017FP
Contaminant Name/cas:	191242
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Emission Unit Id:	U00090
Process Id:	017FP
Contaminant Name/cas:	129000
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0002
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	U00090
Process Id:	017FP
Contaminant Name/cas:	120127
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.0001
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	U00090
Process Id:	017FP
Contaminant Name/cas:	110543
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	47.6699981
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	U00070
Process Id:	014FP
Contaminant Name/cas:	SO2
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	0.005

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Unit:	TON
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	U00070
Process Id:	014FP
Contaminant Name/cas:	111422
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	10
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	U00060
Process Id:	012FP
Contaminant Name/cas:	SO2
Epa Control Code:	050
Contol Eff:	97
Emissions:	1.2
Unit:	TON
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	U00060
Process Id:	012FP
Contaminant Name/cas:	NH3
Epa Control Code:	050
Contol Eff:	97
Emissions:	200
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Permit Type:	Not reported

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	U00050
Process Id:	011FP
Contaminant Name/cas:	7647010
Epa Control Code:	013
Contol Eff:	99
Emissions:	10
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	U00050
Process Id:	010FP
Contaminant Name/cas:	7647010
Epa Control Code:	013
Contol Eff:	99
Emissions:	10
Unit:	LB
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	U00020
Process Id:	002FP
Contaminant Name/cas:	SO2
Epa Control Code:	Not reported
Contol Eff:	Not reported
Emissions:	590.818
Unit:	TON
Auth Type Code:	Not reported
Latitude:	Not reported
Longitude:	Not reported

Permit Type:	Not reported
Permit Status:	Not reported
Issue Date:	Not reported
Expiration Date:	Not reported
County Fips:	36029
DEC Id:	9140200435
Emission Unit Id:	U00010

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Process Id: 020FP
Contaminant Name/cas: SO2
Epa Control Code: 014
Contol Eff: 95
Emissions: 0.0935
Unit: TON
Auth Type Code: Not reported
Latitude: Not reported
Longitude: Not reported

Permit Type: Not reported
Permit Status: Not reported
Issue Date: Not reported
Expiration Date: Not reported
County Fips: 36029
DEC Id: 9140200435
Emission Unit Id: U00090
Process Id: 017FP
Contaminant Name/cas: 108883
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 0.09
Unit: LB
Auth Type Code: Not reported
Latitude: Not reported
Longitude: Not reported

Permit Type: Not reported
Permit Status: Not reported
Issue Date: Not reported
Expiration Date: Not reported
County Fips: 36029
DEC Id: 9140200435
Emission Unit Id: U00080
Process Id: 015FP
Contaminant Name/cas: SO2
Epa Control Code: Not reported
Contol Eff: Not reported
Emissions: 5.0075
Unit: TON
Auth Type Code: Not reported
Latitude: Not reported
Longitude: Not reported

NY MANIFEST:
Country: USA
EPA ID: NYD980534390
Facility Status: Not reported
Location Address 1: 55 LEE STREET
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BUFFALO
Location State: NY
Location Zip: 14210
Location Zip 4: Not reported

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

NY MANIFEST:

EPAID:	NYD980534390
Mailing Name:	PVS CHEMICALS INC
Mailing Contact:	WILLIAM DECKER
Mailing Address 1:	55 LEE ST
Mailing Address 2:	Not reported
Mailing City:	BUFFALO
Mailing State:	NY
Mailing Zip:	14210
Mailing Zip 4:	2193
Mailing Country:	USA
Mailing Phone:	7168255762

NY MANIFEST:

Document ID:	Not reported
Manifest Status:	Not reported
seq:	Not reported
Year:	2017
Trans1 State ID:	MAD084814136
Trans2 State ID:	Not reported
Generator Ship Date:	05/03/2017
Trans1 Recv Date:	05/03/2017
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	05/04/2017
Part A Recv Date:	Not reported
Part B Recv Date:	Not reported
Generator EPA ID:	NYD980534390
Trans1 EPA ID:	Not reported
Trans2 EPA ID:	Not reported
TSDF ID 1:	MID074259565
TSDF ID 2:	Not reported
Manifest Tracking Number:	017216131JJK
Import Indicator:	N
Export Indicator:	N
Discr Quantity Indicator:	N
Discr Type Indicator:	N
Discr Residue Indicator:	N
Discr Partial Reject Indicator:	N
Discr Full Reject Indicator:	N
Manifest Ref Number:	Not reported
Alt Facility RCRA ID:	Not reported
Alt Facility Sign Date:	Not reported
MGMT Method Type Code:	H070
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Waste Code:	Not reported
Quantity:	1155
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	21
Container Type:	DF - Fiberboard or plastic drums (glass)
Handling Method:	T Chemical, physical, or biological treatment.
Specific Gravity:	1
Waste Code:	D002

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Waste Code 1_2:	Not reported
Waste Code 1_3:	Not reported
Waste Code 1_4:	Not reported
Waste Code 1_5:	Not reported
Waste Code 1_6:	Not reported

Click this hyperlink while viewing on your computer to access additional NY_MANIFEST: detail in the EDR Site Report.

SPDES:

Permit Number:	NY0110043
State-Region:	09
Expiration Date:	05/31/2019
Current Major Minor Status:	Minor
Primary Facility SIC Code:	Not reported
State Water Body Name:	BUFFALO R
Limit Set Status Flag:	Active
Total Actual Average Flow(MGD):	10
Total App Design Flow(MGD):	Not reported
UDF1:	DMR
Lat/Long:	42.864667 / -78.838167
DMR Cognizant Official:	CHRIS CANCILLA, PLT MGR
UDF2:	000103
UDF3:	C
FIPS County Code:	NY029
Non-Gov Permit Affiliation Type Desc:	DMR Mailing Address
Non-Gov Permit Org Formal Name:	PVS CHEMICAL SOLUTIONS, INC
Non-Gov Permit Street Address:	PVS CHEMICAL SOLUTIONS, INC
Non-Gov Permit Supplemental Location:	55 LEE STREET
Non-Gov Permit City:	BUFFALO
Non-Gov Permit State Code:	NY
Non-Gov Permit Zip Code:	14210
Non-Gov Facility Affiliation Type Desc:	Mailing Address
Non-Gov Facility Org Formal Name:	PVS CHEMICAL SOLUTIONS, INC
Non-Gov Facility Street Address:	PVS CHEMICAL SOLUTIONS, INC
Non-Gov Facility Supplemental Location:	55 LEE STREET
Non-Gov Facility City:	BUFFALO
Non-Gov Facility State Code:	NY
Non-Gov Facility Zip Code:	14210
State Water Body:	04120103070
UDF2:	000103
UDF3:	C
FIPS County Code:	NY029
Non-Gov Permit Affiliation Type Desc:	DMR Mailing Address
Non-Gov Permit Org Formal Name:	PVS CHEMICAL SOLUTIONS, INC
Non-Gov Permit Street Address:	PVS CHEMICAL SOLUTIONS, INC
Non-Gov Permit Supplemental Location:	55 LEE STREET
Non-Gov Permit City:	BUFFALO
Non-Gov Permit State Code:	NY
Non-Gov Permit Zip Code:	14210
Non-Gov Facility Affiliation Type Desc:	Owner
Non-Gov Facility Org Formal Name:	PVS CHEMICAL SOLUTIONS, INC

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Non-Gov Facility Street Address: PVS CHEMICAL SOLUTIONS, INC
Non-Gov Facility Supplemental Location: 55 LEE STREET
Non-Gov Facility City: BUFFALO
Non-Gov Facility State Code: NY
Non-Gov Facility Zip Code: 14210
State Water Body: 04120103070

UDF2: 000103
UDF3: C
FIPS County Code: NY029

Non-Gov Permit Affiliation Type Desc: Permittee
Non-Gov Permit Org Formal Name: PVS CHEMICAL SOLUTIONS, INC
Non-Gov Permit Street Address: 55 LEE STREET
Non-Gov Permit Supplemental Location: Not reported
Non-Gov Permit City: BUFFALO
Non-Gov Permit State Code: NY
Non-Gov Permit Zip Code: 14210
Non-Gov Facility Affiliation Type Desc: Mailing Address
Non-Gov Facility Org Formal Name: PVS CHEMICAL SOLUTIONS, INC
Non-Gov Facility Street Address: PVS CHEMICAL SOLUTIONS, INC
Non-Gov Facility Supplemental Location: 55 LEE STREET
Non-Gov Facility City: BUFFALO
Non-Gov Facility State Code: NY
Non-Gov Facility Zip Code: 14210
State Water Body: 04120103070

UDF2: 000103
UDF3: C
FIPS County Code: NY029

Non-Gov Permit Affiliation Type Desc: Permittee
Non-Gov Permit Org Formal Name: PVS CHEMICAL SOLUTIONS, INC
Non-Gov Permit Street Address: 55 LEE STREET
Non-Gov Permit Supplemental Location: Not reported
Non-Gov Permit City: BUFFALO
Non-Gov Permit State Code: NY
Non-Gov Permit Zip Code: 14210
Non-Gov Facility Affiliation Type Desc: Owner
Non-Gov Facility Org Formal Name: PVS CHEMICAL SOLUTIONS, INC
Non-Gov Facility Street Address: PVS CHEMICAL SOLUTIONS, INC
Non-Gov Facility Supplemental Location: 55 LEE STREET
Non-Gov Facility City: BUFFALO
Non-Gov Facility State Code: NY
Non-Gov Facility Zip Code: 14210
State Water Body: 04120103070

UDF2: 000103
UDF3: C
FIPS County Code: NY029

Non-Gov Permit Affiliation Type Desc: Not reported
Non-Gov Permit Org Formal Name: Not reported
Non-Gov Permit Street Address: Not reported
Non-Gov Permit Supplemental Location: Not reported
Non-Gov Permit City: Not reported
Non-Gov Permit State Code: Not reported

PVS CHEMICAL SOLUTIONS, INC. (Continued) **S101485930**

Non-Gov Permit Zip Code:	Not reported
Non-Gov Facility Affiliation Type Desc:	Mailing Address
Non-Gov Facility Org Formal Name:	PVS CHEMICAL SOLUTIONS, INC
Non-Gov Facility Street Address:	PVS CHEMICAL SOLUTIONS, INC
Non-Gov Facility Supplemental Location:	55 LEE STREET
Non-Gov Facility City:	BUFFALO
Non-Gov Facility State Code:	NY
Non-Gov Facility Zip Code:	14210
State Water Body:	04120103070
UDF2:	000103
UDF3:	C
FIPS County Code:	NY029
Non-Gov Permit Affiliation Type Desc:	Not reported
Non-Gov Permit Org Formal Name:	Not reported
Non-Gov Permit Street Address:	Not reported
Non-Gov Permit Supplemental Location:	Not reported
Non-Gov Permit City:	Not reported
Non-Gov Permit State Code:	Not reported
Non-Gov Permit Zip Code:	Not reported
Non-Gov Facility Affiliation Type Desc:	Owner
Non-Gov Facility Org Formal Name:	PVS CHEMICAL SOLUTIONS, INC
Non-Gov Facility Street Address:	PVS CHEMICAL SOLUTIONS, INC
Non-Gov Facility Supplemental Location:	55 LEE STREET
Non-Gov Facility City:	BUFFALO
Non-Gov Facility State Code:	NY
Non-Gov Facility Zip Code:	14210
State Water Body:	04120103070

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81 **BUFFALO COLOR - DEEP WELL** **NY SHWS** **S113917107**
SSE **1037 SOUTH PARK AVENUE** **N/A**
1/2-1 **BUFFALO, NY 14202**
0.877 mi.
4630 ft.

Relative:
Higher

Actual:
592 ft.

SHWS:

Program:	HW
Site Code:	58348
Classification:	N
Region:	9
Acres:	1
HW Code:	915012C
Record Add:	11/18/1999
Record Upd:	04/07/2016
Updated By:	CRSTANIS
Site Description:	A 744-foot deep well on property was used for disposal of 40% ammonium sulfate solution. A closure plan was approved by the DEC and the well was plugged and sealed under DEC Oversight (Mineral Resources). No further action is needed at this site. Refer to site #915012 for additional information.
Env Problem:	The deep well has been closed in accordance with regulations.
Health Problem:	Heavy metals and polynuclear aromatics were detected in on-site groundwater samples. The level of metals in the groundwater exceeded the New York State groundwater standards. The site is in an industrial/commercial area of Buffalo, served by public water. The well casing of a deep injection well was removed and filled with cement in March, 1989. The site is no longer active, and there are no routes of exposure or public health concerns. The site was delisted

BUFFALO COLOR - DEEP WELL (Continued) **S113917107**

	in July 1989.
Dump:	Not reported
Structure:	Not reported
Lagoon:	Not reported
Landfill:	Not reported
Pond:	Not reported
Disp Start:	Not reported
Disp Term:	Not reported
Lat/Long:	Not reported
Dell:	Not reported
Record Add:	Not reported
Record Upd:	Not reported
Updated By:	Not reported
Own Op:	Owner
Sub Type:	E
Owner Name:	Not reported
Owner Company:	ALLIED CHEMICAL
Owner Address:	PO BOX 7027
Owner Addr2:	Not reported
Owner City,St,Zip:	BUFFALO, NY 14240
Owner Country:	United States of America
Own Op:	Disp. Owner
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	Allied Chemical
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	ZZ
Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	E
Owner Name:	Not reported
Owner Company:	Allied Chemical
Owner Address:	35 LEE STREET
Owner Addr2:	Not reported
Owner City,St,Zip:	BUFFALO, NY 14204
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	E
Owner Name:	Not reported
Owner Company:	Buffalo Color Corp.
Owner Address:	PO BOX 7027
Owner Addr2:	Not reported
Owner City,St,Zip:	BUFFALO, NY 14240
Owner Country:	United States of America
HW Code:	Not reported
Waste Type:	Not reported
Waste Quantity:	Not reported
Waste Code:	Not reported
Crossref ID:	Not reported
Cross Ref Type Code:	Not reported
Cross Ref Type:	Not reported
Record Added Date:	Not reported
Record Updated:	Not reported
Updated By:	Not reported

82
NW
1/2-1
0.879 mi.
4641 ft.

NIKE BU 09
BUFFALO, NY

FUDS **1007372646**
N/A

Relative:
Higher

Actual:
604 ft.

FUDS:

EPA Region:	02
Congressional District:	27
FUDS Number:	C02NY0091
State:	NY
Facility Name:	NIKE BU 09
Fiscal Year:	2013
City:	BUFFALO
Federal Facility ID:	NY9799F1084
Telephone:	978-318-8238
INST ID:	59097
County:	ERIE
RAB:	Not reported
CORPS_DIST:	New England District (NAE)
NPL Status:	Not Listed
CTC:	154.5
Current Owner:	Local Government; Private Sector
Future Prog:	Not reported
Description:	The site is located in Amherst, NY. The former Nike Battery BU-09 was used by the U.S. Army as a Nike Missile Battery and the site was improved with eighteen buildings, three concrete radar pads, and three missile vaults. There is no evidence that the site was under other than DOD control during the period of DOD ownership and use. Presently, the southern portion of the site is occupied by the Town of Amherst. The Town has renovated many of the buildings and in doing so has eliminated interior asbestos hazards. The Northern portion of the site is occupied by two users. The Town of Amherst owns the area surrounding the launch site. It uses the old vehicle maintenance buildings for police Department Vehicle Maintenance and has a grant to convert the old barracks building for archival storage. The former Launch Site is now leased to Veritay Technology, inc. a research firm that uses the underground bunkers in performance of their tasks.
Current Program:	Not reported
History:	DOD acquired 50.02 acres fee and 78.11 acres easement throughpurchase and condemnation between 1955 and 1957. On 6/4/1962, 16.73 acres fee and 4.24 acres easement were reassigned to the USARC, Buffalo . This parcel was retained by USAR until excessed to GSA on 1/18/1972. This acreage was conveyed by quitclaim deed to the Town of Amherst on 11/2/ 1973. The deed restricted use to educational purposes. There were no recapture or restoration clauses in the deed. On 7/6/1965, 33.29 acres fee and 73.77 acres easement were excessed to GSA. Of this, 12.13 acres fee were conveyed to Vincent McGee by quitclaim deed dated 2/20/1967. 21.16 acres fee and0.10 acre easement were conveyed to the A.J. Jurek Post 1762,American Legion by quitclaim deed dated 5/25/1967. There were no restrictions, recapture clause, or restoration provisions in the deed. The remaining 73.77 acre easements have been retained by GSA.
Latitude Degree:	43
Latitude Minute:	3
Latitude Second:	16
Latitude Direction:	N
Longitude Degree:	-78
Longitude Minute:	43

NIKE BU 09 (Continued) **1007372646**

Longitude Second: 8
Longitude Direction: E

83
SW
1/2-1
0.888 mi.
4688 ft.

LEHIGH INDUSTRIAL PARK
31 SOUTH ST
LACKAWANNA, NY 14218

NY SHWS **1000554254**
NY ENG CONTROLS **NYD986967156**
NY INST CONTROL
RCRA NonGen / NLR

Relative:
Lower

Actual:
580 ft.

SHWS:
Program: HW
Site Code: 58198
Classification: 4
Region: 9
Acres: 5.7
HW Code: 915145
Record Add: 11/18/1999
Record Upd: 11/15/2017
Updated By: CRSTANIS
Site Description: Location: The Lehigh Industrial Park site is located at 31 South Street in the City of Lackawanna, Erie County. The site is located in an urban area. Site Features: This site is vacant, grass covered land. It is bordered by train tracks and a rail yard to the east, industrial parcels to the south, the Erie County Sewer District #6 treatment plant to the north, and residential areas to the west. Current Zoning and Land Use: This site is currently vacant, and is zoned for commercial use. Past Use of the Site: This site was formerly the Roblin Steel Company Scrap Metal Yard and Scrap Processing Facility, until it was acquired by a new owner in 1988. In 1988 DEC investigated a report of a transformer oil spill at this site. They found open and upset transformer casings and several areas of oil drenched soil in, and adjacent to, a small fenced area on the site. PCB contamination of soils was confirmed, with one location showing concentrations of 137,000 ppm of total PCBs. In response to NYSDEC's request, the USEPA conducted further sampling and issued a complaint to the owner. NYSDEC conducted a Remedial Investigation (RI) in 1992. The entire site was fenced at all access points. The RI determined that no migration into residential areas had occurred. The Record of Decision (ROD) was signed in 1994. Remedial Action was completed in 1997 in accordance with the ROD. Remedial activities completed included complete demolition of the abandoned site structures, asbestos abatement, removal and disposal of PCB contaminated soil, on-site consolidation of non-hazardous waste soil and debris, construction of an infiltration basin to control surface water run-off, installation of a clean soil cover over the entire site, and the planting and establishment of a grass cover over the entire site. During construction a total of 212 tons of contaminated soil was disposed of off-site at Modern Landfill in Lewiston, NY. Long-term Operation and Maintenance (O&M) of the site is in progress. The integrity of the clean soil cover over the consolidated fill is being monitored and groundwater quality is being assessed as part of O&M.
Env Problem: Nature and Extent of Contamination: Prior to Remediation: The RI identified areas of PCB and heavy metals contamination in the wastes and shallow soils. No impacts to shallow groundwater has been observed. Post-Remediation: The site groundwater and cap are being monitored under the Department's long term O&M program
Health Problem: Residential homes are located north and west of the site. Groundwater

LEHIGH INDUSTRIAL PARK (Continued) **1000554254**

	is not used as a drinking water source in the vicinity of the landfill. Exposures via drinking water are not expected because public water is supplied to the area. The site is fenced and posted to prevent trespassing and to reduce the potential for exposure. The site remedy which included excavation and off-site disposal of hazardous waste/soil and consolidation and capping of other contamination further reduces the potential for exposure.
Dump:	False
Structure:	True
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	1988
Disp Term:	present
Lat/Long:	42:49:00:0 / 78:50:24:0
Dell:	False
Record Add:	1999-11-18 12:00:00
Record Upd:	1999-11-18 12:00:00
Updated By:	INITIAL
Own Op:	Disp. Owner
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	ROBLIN STEEL COMPANY
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	ZZ
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	Lehigh Industrial Park Inc.
Owner Address:	609 Ridge Road
Owner Addr2:	Not reported
Owner City,St,Zip:	Lackawanna, NY 14218
Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	ROBLIN STEEL COMPANY
Owner Address:	101 EAST AVENUE
Owner Addr2:	Not reported
Owner City,St,Zip:	NORTH TONAWANDA, NY 14120
Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	E
Owner Name:	Not reported
Owner Company:	ROBLIN STEEL COMPANY
Owner Address:	101 EAST AVE.
Owner Addr2:	Not reported
Owner City,St,Zip:	NORTH TONAWANDA, NY
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	05
Owner Name:	Not reported
Owner Company:	Lackawanna Islamic Mosque
Owner Address:	154 Wilkesbarre Street
Owner Addr2:	Not reported

LEHIGH INDUSTRIAL PARK (Continued) **1000554254**

Owner City,St,Zip: Lackawanna, NY 14218
Owner Country: United States of America
HW Code: 915145
Waste Type: POLYCHLORINATED BIPHENYLS (PCB)
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: NYD986967156
Cross Ref Type Code: 05
Cross Ref Type: EPA Site ID
Record Added Date: 1999-11-18 12:00:00
Record Updated: 2001-05-10 16:31:00
Updated By: REGTRANS

ENG CONTROLS:
Site Code: 58198
HW Code: 915145
Control Code: 15
Control Type: ENG
Date Record Added: 12/04/2012
Date Rec Updated: 05/09/2016
Updated By: mfmoore
Site Description: Location: The Lehigh Industrial Park site is located at 31 South Street in the City of Lackawanna, Erie County. The site is located in an urban area. Site Features: This site is vacant, grass covered land. It is bordered by train tracks and a rail yard to the east, industrial parcels to the south, the Erie County Sewer District #6 treatment plant to the north, and residential areas to the west. Current Zoning and Land Use: This site is currently vacant, and is zoned for commercial use. Past Use of the Site: This site was formerly the Roblin Steel Company Scrap Metal Yard and Scrap Processing Facility, until it was acquired by a new owner in 1988. In 1988 DEC investigated a report of a transformer oil spill at this site. They found open and upset transformer casings and several areas of oil drenched soil in, and adjacent to, a small fenced area on the site. PCB contamination of soils was confirmed, with one location showing concentrations of 137,000 ppm of total PCBs. In response to NYSDEC's request, the USEPA conducted further sampling and issued a complaint to the owner. NYSDEC conducted a Remedial Investigation (RI) in 1992. The entire site was fenced at all access points. The RI determined that no migration into residential areas had occurred. The Record of Decision (ROD) was signed in 1994. Remedial Action was completed in 1997 in accordance with the ROD. Remedial activities completed included complete demolition of the abandoned site structures, asbestos abatement, removal and disposal of PCB contaminated soil, on-site consolidation of non-hazardous waste soil and debris, construction of an infiltration basin to control surface water run-off, installation of a clean soil cover over the entire site, and the planting and establishment of a grass cover over the entire site. During construction a total of 212 tons of contaminated soil was disposed of off-site at Modern Landfill in Lewiston, NY. Long-term Operation and Maintenance (O&M) of the site is in progress. The integrity of the clean soil cover over the consolidated fill is being monitored and groundwater quality is being assessed as part of O&M.
Env Problem: Nature and Extent of Contamination: Prior to Remediation: The RI identified areas of PCB and heavy metals contamination in the wastes and shallow soils. No impacts to shallow groundwater has been

LEHIGH INDUSTRIAL PARK (Continued) **1000554254**

	observed. Post-Remediation: The site groundwater and cap are being monitored under the Department's long term O&M program
Health Problem:	Residential homes are located north and west of the site. Groundwater is not used as a drinking water source in the vicinity of the landfill. Exposures via drinking water are not expected because public water is supplied to the area. The site is fenced and posted to prevent trespassing and to reduce the potential for exposure. The site remedy which included excavation and off-site disposal of hazardous waste/soil and consolidation and capping of other contamination further reduces the potential for exposure.
Dump:	False
Structure:	True
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	1988
Disp Term:	present
Lat/Long:	42:49:00:0 / 78:50:24:0
Dell:	False
Record Add:	1999-11-18 12:00:00
Record Upd:	1999-11-18 12:00:00
Updated By:	INITIAL
Own Op:	Disp. Owner
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	ROBLIN STEEL COMPANY
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	ZZ
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	Lehigh Industrial Park Inc.
Owner Address:	609 Ridge Road
Owner Addr2:	Not reported
Owner City,St,Zip:	Lackawanna, NY 14218
Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	ROBLIN STEEL COMPANY
Owner Address:	101 EAST AVENUE
Owner Addr2:	Not reported
Owner City,St,Zip:	NORTH TONAWANDA, NY 14120
Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	E
Owner Name:	Not reported
Owner Company:	ROBLIN STEEL COMPANY
Owner Address:	101 EAST AVE.
Owner Addr2:	Not reported
Owner City,St,Zip:	NORTH TONAWANDA, NY
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	05
Owner Name:	Not reported

LEHIGH INDUSTRIAL PARK (Continued) **1000554254**

Owner Company:	Lackawanna Islamic Mosque
Owner Address:	154 Wilkesbarre Street
Owner Addr2:	Not reported
Owner City,St,Zip:	Lackawanna, NY 14218
Owner Country:	United States of America
HW Code:	915145
Waste Type:	POLYCHLORINATED BIPHENYLS (PCB)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	NYD986967156
Cross Ref Type Code:	05
Cross Ref Type:	EPA Site ID
Record Added Date:	1999-11-18 12:00:00
Record Updated:	2001-05-10 16:31:00
Updated By:	REGTRANS

INST CONTROL:

Site Code:	58198
Control Name:	Site Management Plan
HW Code:	915145
Control Code:	32
Control Type:	INST
Dt record added:	12/04/2012
Dt rec updated:	05/09/2016
Updated By:	mfmoore
Site Code:	58198
Site Description:	Location: The Lehigh Industrial Park site is located at 31 South Street in the City of Lackawanna, Erie County. The site is located in an urban area. Site Features: This site is vacant, grass covered land. It is bordered by train tracks and a rail yard to the east, industrial parcels to the south, the Erie County Sewer District #6 treatment plant to the north, and residential areas to the west. Current Zoning and Land Use: This site is currently vacant, and is zoned for commercial use. Past Use of the Site: This site was formerly the Roblin Steel Company Scrap Metal Yard and Scrap Processing Facility, until it was acquired by a new owner in 1988. In 1988 DEC investigated a report of a transformer oil spill at this site. They found open and upset transformer casings and several areas of oil drenched soil in, and adjacent to, a small fenced area on the site. PCB contamination of soils was confirmed, with one location showing concentrations of 137,000 ppm of total PCBs. In response to NYSDEC's request, the USEPA conducted further sampling and issued a complaint to the owner. NYSDEC conducted a Remedial Investigation (RI) in 1992. The entire site was fenced at all access points. The RI determined that no migration into residential areas had occurred. The Record of Decision (ROD) was signed in 1994. Remedial Action was completed in 1997 in accordance with the ROD. Remedial activities completed included complete demolition of the abandoned site structures, asbestos abatement, removal and disposal of PCB contaminated soil, on-site consolidation of non-hazardous waste soil and debris, construction of an infiltration basin to control surface water run-off, installation of a clean soil cover over the entire site, and the planting and establishment of a grass cover over the entire site. During construction a total of 212 tons of contaminated soil was disposed of off-site at Modern Landfill in Lewiston, NY. Long-term Operation and Maintenance (O&M) of the site is in progress. The integrity of the clean soil cover over the consolidated

LEHIGH INDUSTRIAL PARK (Continued) **1000554254**

	fill is being monitored and groundwater quality is being assessed as part of O&M.
Env Problem:	Nature and Extent of Contamination: Prior to Remediation: The RI identified areas of PCB and heavy metals contamination in the wastes and shallow soils. No impacts to shallow groundwater has been observed. Post-Remediation: The site groundwater and cap are being monitored under the Department's long term O&M program
Health Problem:	Residential homes are located north and west of the site. Groundwater is not used as a drinking water source in the vicinity of the landfill. Exposures via drinking water are not expected because public water is supplied to the area. The site is fenced and posted to prevent trespassing and to reduce the potential for exposure. The site remedy which included excavation and off-site disposal of hazardous waste/soil and consolidation and capping of other contamination further reduces the potential for exposure.
Dump:	False
Structure:	True
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	1988
Disp Term:	present
Lat/Long:	42:49:00:0 / 78:50:24:0
Dell:	False
Record Add:	1999-11-18 12:00:00
Record Upd:	1999-11-18 12:00:00
Updated By:	INITIAL
Own Op:	Disp. Owner
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	ROBLIN STEEL COMPANY
Owner Address:	Not reported
Owner Addr2:	Not reported
Owner City,St,Zip:	ZZ
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	Lehigh Industrial Park Inc.
Owner Address:	609 Ridge Road
Owner Addr2:	Not reported
Owner City,St,Zip:	Lackawanna, NY 14218
Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	NNN
Owner Name:	Not reported
Owner Company:	ROBLIN STEEL COMPANY
Owner Address:	101 EAST AVENUE
Owner Addr2:	Not reported
Owner City,St,Zip:	NORTH TONAWANDA, NY 14120
Owner Country:	United States of America
Own Op:	On-Site Operator
Sub Type:	E
Owner Name:	Not reported
Owner Company:	ROBLIN STEEL COMPANY
Owner Address:	101 EAST AVE.
Owner Addr2:	Not reported

LEHIGH INDUSTRIAL PARK (Continued) **1000554254**

Owner City,St,Zip: NORTH TONAWANDA, NY
Owner Country: United States of America
Own Op: Owner
Sub Type: 05
Owner Name: Not reported
Owner Company: Lackawanna Islamic Mosque
Owner Address: 154 Wilkesbarre Street
Owner Addr2: Not reported
Owner City,St,Zip: Lackawanna, NY 14218
Owner Country: United States of America
HW Code: 915145
Waste Type: POLYCHLORINATED BIPHENYLS (PCB)
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: NYD986967156
Cross Ref Type Code: 05
Cross Ref Type: EPA Site ID
Record Added Date: 1999-11-18 12:00:00
Record Updated: 2001-05-10 16:31:00
Updated By: REGTRANS

Site Code: 58198
Control Name: Landuse Restriction
HW Code: 915145
Control Code: 25
Control Type: INST
Dt record added: 12/04/2012
Dt rec updated: 05/09/2016
Updated By: mfmoore
Site Code: 58198
Site Description: Location: The Lehigh Industrial Park site is located at 31 South Street in the City of Lackawanna, Erie County. The site is located in an urban area. Site Features: This site is vacant, grass covered land. It is bordered by train tracks and a rail yard to the east, industrial parcels to the south, the Erie County Sewer District #6 treatment plant to the north, and residential areas to the west. Current Zoning and Land Use: This site is currently vacant, and is zoned for commercial use. Past Use of the Site: This site was formerly the Roblin Steel Company Scrap Metal Yard and Scrap Processing Facility, until it was acquired by a new owner in 1988. In 1988 DEC investigated a report of a transformer oil spill at this site. They found open and upset transformer casings and several areas of oil drenched soil in, and adjacent to, a small fenced area on the site. PCB contamination of soils was confirmed, with one location showing concentrations of 137,000 ppm of total PCBs. In response to NYSDEC's request, the USEPA conducted further sampling and issued a complaint to the owner. NYSDEC conducted a Remedial Investigation (RI) in 1992. The entire site was fenced at all access points. The RI determined that no migration into residential areas had occurred. The Record of Decision (ROD) was signed in 1994. Remedial Action was completed in 1997 in accordance with the ROD. Remedial activities completed included complete demolition of the abandoned site structures, asbestos abatement, removal and disposal of PCB contaminated soil, on-site consolidation of non-hazardous waste soil and debris, construction of an infiltration basin to control surface water run-off, installation of a clean soil cover over the entire site, and the planting and establishment of a grass cover over the

LEHIGH INDUSTRIAL PARK (Continued) **1000554254**

entire site. During construction a total of 212 tons of contaminated soil was disposed of off-site at Modern Landfill in Lewiston, NY. Long-term Operation and Maintenance (O&M) of the site is in progress. The integrity of the clean soil cover over the consolidated fill is being monitored and groundwater quality is being assessed as part of O&M.

Env Problem: Nature and Extent of Contamination: Prior to Remediation: The RI identified areas of PCB and heavy metals contamination in the wastes and shallow soils. No impacts to shallow groundwater has been observed. Post-Remediation: The site groundwater and cap are being monitored under the Department's long term O&M program

Health Problem: Residential homes are located north and west of the site. Groundwater is not used as a drinking water source in the vicinity of the landfill. Exposures via drinking water are not expected because public water is supplied to the area. The site is fenced and posted to prevent trespassing and to reduce the potential for exposure. The site remedy which included excavation and off-site disposal of hazardous waste/soil and consolidation and capping of other contamination further reduces the potential for exposure.

Dump: False
Structure: True
Lagoon: False
Landfill: False
Pond: False
Disp Start: 1988
Disp Term: present
Lat/Long: 42:49:00:0 / 78:50:24:0
Dell: False
Record Add: 1999-11-18 12:00:00
Record Upd: 1999-11-18 12:00:00
Updated By: INITIAL
Own Op: Disp. Owner
Sub Type: NNN
Owner Name: Not reported
Owner Company: ROBLIN STEEL COMPANY
Owner Address: Not reported
Owner Addr2: Not reported
Owner City,St,Zip: ZZ
Owner Country: United States of America
Own Op: Owner
Sub Type: NNN
Owner Name: Not reported
Owner Company: Lehigh Industrial Park Inc.
Owner Address: 609 Ridge Road
Owner Addr2: Not reported
Owner City,St,Zip: Lackawanna, NY 14218
Owner Country: United States of America
Own Op: On-Site Operator
Sub Type: NNN
Owner Name: Not reported
Owner Company: ROBLIN STEEL COMPANY
Owner Address: 101 EAST AVENUE
Owner Addr2: Not reported
Owner City,St,Zip: NORTH TONAWANDA, NY 14120
Owner Country: United States of America
Own Op: On-Site Operator
Sub Type: E

LEHIGH INDUSTRIAL PARK (Continued) **1000554254**

Owner Name: Not reported
Owner Company: ROBLIN STEEL COMPANY
Owner Address: 101 EAST AVE.
Owner Addr2: Not reported
Owner City,St,Zip: NORTH TONAWANDA, NY
Owner Country: United States of America
Own Op: Owner
Sub Type: 05
Owner Name: Not reported
Owner Company: Lackawanna Islamic Mosque
Owner Address: 154 Wilkesbarre Street
Owner Addr2: Not reported
Owner City,St,Zip: Lackawanna, NY 14218
Owner Country: United States of America
HW Code: 915145
Waste Type: POLYCHLORINATED BIPHENYLS (PCB)
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: NYD986967156
Cross Ref Type Code: 05
Cross Ref Type: EPA Site ID
Record Added Date: 1999-11-18 12:00:00
Record Updated: 2001-05-10 16:31:00
Updated By: REGTRANS

Site Code: 58198
Control Name: O&M Plan
HW Code: 915145
Control Code: 33
Control Type: INST
Dt record added: 12/04/2012
Dt rec updated: 05/09/2016
Updated By: mfmoore
Site Code: 58198
Site Description: Location: The Lehigh Industrial Park site is located at 31 South Street in the City of Lackawanna, Erie County. The site is located in an urban area. Site Features: This site is vacant, grass covered land. It is bordered by train tracks and a rail yard to the east, industrial parcels to the south, the Erie County Sewer District #6 treatment plant to the north, and residential areas to the west. Current Zoning and Land Use: This site is currently vacant, and is zoned for commercial use. Past Use of the Site: This site was formerly the Roblin Steel Company Scrap Metal Yard and Scrap Processing Facility, until it was acquired by a new owner in 1988. In 1988 DEC investigated a report of a transformer oil spill at this site. They found open and upset transformer casings and several areas of oil drenched soil in, and adjacent to, a small fenced area on the site. PCB contamination of soils was confirmed, with one location showing concentrations of 137,000 ppm of total PCBs. In response to NYSDEC's request, the USEPA conducted further sampling and issued a complaint to the owner. NYSDEC conducted a Remedial Investigation (RI) in 1992. The entire site was fenced at all access points. The RI determined that no migration into residential areas had occurred. The Record of Decision (ROD) was signed in 1994. Remedial Action was completed in 1997 in accordance with the ROD. Remedial activities completed included complete demolition of the abandoned site structures, asbestos abatement, removal and disposal of PCB

LEHIGH INDUSTRIAL PARK (Continued) **1000554254**

contaminated soil, on-site consolidation of non-hazardous waste soil and debris, construction of an infiltration basin to control surface water run-off, installation of a clean soil cover over the entire site, and the planting and establishment of a grass cover over the entire site. During construction a total of 212 tons of contaminated soil was disposed of off-site at Modern Landfill in Lewiston, NY. Long-term Operation and Maintenance (O&M) of the site is in progress. The integrity of the clean soil cover over the consolidated fill is being monitored and groundwater quality is being assessed as part of O&M.

Env Problem: Nature and Extent of Contamination: Prior to Remediation: The RI identified areas of PCB and heavy metals contamination in the wastes and shallow soils. No impacts to shallow groundwater has been observed. Post-Remediation: The site groundwater and cap are being monitored under the Department's long term O&M program

Health Problem: Residential homes are located north and west of the site. Groundwater is not used as a drinking water source in the vicinity of the landfill. Exposures via drinking water are not expected because public water is supplied to the area. The site is fenced and posted to prevent trespassing and to reduce the potential for exposure. The site remedy which included excavation and off-site disposal of hazardous waste/soil and consolidation and capping of other contamination further reduces the potential for exposure.

Dump: False
Structure: True
Lagoon: False
Landfill: False
Pond: False
Disp Start: 1988
Disp Term: present
Lat/Long: 42:49:00:0 / 78:50:24:0
Dell: False
Record Add: 1999-11-18 12:00:00
Record Upd: 1999-11-18 12:00:00
Updated By: INITIAL
Own Op: Disp. Owner
Sub Type: NNN
Owner Name: Not reported
Owner Company: ROBLIN STEEL COMPANY
Owner Address: Not reported
Owner Addr2: Not reported
Owner City,St,Zip: ZZ
Owner Country: United States of America
Own Op: Owner
Sub Type: NNN
Owner Name: Not reported
Owner Company: Lehigh Industrial Park Inc.
Owner Address: 609 Ridge Road
Owner Addr2: Not reported
Owner City,St,Zip: Lackawanna, NY 14218
Owner Country: United States of America
Own Op: On-Site Operator
Sub Type: NNN
Owner Name: Not reported
Owner Company: ROBLIN STEEL COMPANY
Owner Address: 101 EAST AVENUE
Owner Addr2: Not reported

LEHIGH INDUSTRIAL PARK (Continued) **1000554254**

Owner City,St,Zip: NORTH TONAWANDA, NY 14120
Owner Country: United States of America
Own Op: On-Site Operator
Sub Type: E
Owner Name: Not reported
Owner Company: ROBLIN STEEL COMPANY
Owner Address: 101 EAST AVE.
Owner Addr2: Not reported
Owner City,St,Zip: NORTH TONAWANDA, NY
Owner Country: United States of America
Own Op: Owner
Sub Type: 05
Owner Name: Not reported
Owner Company: Lackawanna Islamic Mosque
Owner Address: 154 Wilkesbarre Street
Owner Addr2: Not reported
Owner City,St,Zip: Lackawanna, NY 14218
Owner Country: United States of America
HW Code: 915145
Waste Type: POLYCHLORINATED BIPHENYLS (PCB)
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: NYD986967156
Cross Ref Type Code: 05
Cross Ref Type: EPA Site ID
Record Added Date: 1999-11-18 12:00:00
Record Updated: 2001-05-10 16:31:00
Updated By: REGTRANS

Site Code: 58198
Control Name: Environmental Easement
HW Code: 915145
Control Code: J
Control Type: INST
Dt record added: 12/04/2012
Dt rec updated: 05/09/2016
Updated By: mfmoore
Site Code: 58198
Site Description: Location: The Lehigh Industrial Park site is located at 31 South Street in the City of Lackawanna, Erie County. The site is located in an urban area. Site Features: This site is vacant, grass covered land. It is bordered by train tracks and a rail yard to the east, industrial parcels to the south, the Erie County Sewer District #6 treatment plant to the north, and residential areas to the west. Current Zoning and Land Use: This site is currently vacant, and is zoned for commercial use. Past Use of the Site: This site was formerly the Roblin Steel Company Scrap Metal Yard and Scrap Processing Facility, until it was acquired by a new owner in 1988. In 1988 DEC investigated a report of a transformer oil spill at this site. They found open and upset transformer casings and several areas of oil drenched soil in, and adjacent to, a small fenced area on the site. PCB contamination of soils was confirmed, with one location showing concentrations of 137,000 ppm of total PCBs. In response to NYSDEC's request, the USEPA conducted further sampling and issued a complaint to the owner. NYSDEC conducted a Remedial Investigation (RI) in 1992. The entire site was fenced at all access points. The RI determined that no migration into residential areas had occurred. The

LEHIGH INDUSTRIAL PARK (Continued) **1000554254**

Record of Decision (ROD) was signed in 1994. Remedial Action was completed in 1997 in accordance with the ROD. Remedial activities completed included complete demolition of the abandoned site structures, asbestos abatement, removal and disposal of PCB contaminated soil, on-site consolidation of non-hazardous waste soil and debris, construction of an infiltration basin to control surface water run-off, installation of a clean soil cover over the entire site, and the planting and establishment of a grass cover over the entire site. During construction a total of 212 tons of contaminated soil was disposed of off-site at Modern Landfill in Lewiston, NY. Long-term Operation and Maintenance (O&M) of the site is in progress. The integrity of the clean soil cover over the consolidated fill is being monitored and groundwater quality is being assessed as part of O&M.

Env Problem: Nature and Extent of Contamination: Prior to Remediation: The RI identified areas of PCB and heavy metals contamination in the wastes and shallow soils. No impacts to shallow groundwater has been observed. Post-Remediation: The site groundwater and cap are being monitored under the Department’s long term O&M program

Health Problem: Residential homes are located north and west of the site. Groundwater is not used as a drinking water source in the vicinity of the landfill. Exposures via drinking water are not expected because public water is supplied to the area. The site is fenced and posted to prevent trespassing and to reduce the potential for exposure. The site remedy which included excavation and off-site disposal of hazardous waste/soil and consolidation and capping of other contamination further reduces the potential for exposure.

Dump: False
Structure: True
Lagoon: False
Landfill: False
Pond: False
Disp Start: 1988
Disp Term: present
Lat/Long: 42:49:00:0 / 78:50:24:0
Dell: False
Record Add: 1999-11-18 12:00:00
Record Upd: 1999-11-18 12:00:00
Updated By: INITIAL
Own Op: Disp. Owner
Sub Type: NNN
Owner Name: Not reported
Owner Company: ROBLIN STEEL COMPANY
Owner Address: Not reported
Owner Addr2: Not reported
Owner City,St,Zip: ZZ
Owner Country: United States of America
Own Op: Owner
Sub Type: NNN
Owner Name: Not reported
Owner Company: Lehigh Industrial Park Inc.
Owner Address: 609 Ridge Road
Owner Addr2: Not reported
Owner City,St,Zip: Lackawanna, NY 14218
Owner Country: United States of America
Own Op: On-Site Operator
Sub Type: NNN

LEHIGH INDUSTRIAL PARK (Continued) **1000554254**

Owner Name: Not reported
Owner Company: ROBLIN STEEL COMPANY
Owner Address: 101 EAST AVENUE
Owner Addr2: Not reported
Owner City,St,Zip: NORTH TONAWANDA, NY 14120
Owner Country: United States of America
Own Op: On-Site Operator
Sub Type: E
Owner Name: Not reported
Owner Company: ROBLIN STEEL COMPANY
Owner Address: 101 EAST AVE.
Owner Addr2: Not reported
Owner City,St,Zip: NORTH TONAWANDA, NY
Owner Country: United States of America
Own Op: Owner
Sub Type: 05
Owner Name: Not reported
Owner Company: Lackawanna Islamic Mosque
Owner Address: 154 Wilkesbarre Street
Owner Addr2: Not reported
Owner City,St,Zip: Lackawanna, NY 14218
Owner Country: United States of America
HW Code: 915145
Waste Type: POLYCHLORINATED BIPHENYLS (PCB)
Waste Quantity: UNKNOWN
Waste Code: Not reported
Crossref ID: NYD986967156
Cross Ref Type Code: 05
Cross Ref Type: EPA Site ID
Record Added Date: 1999-11-18 12:00:00
Record Updated: 2001-05-10 16:31:00
Updated By: REGTRANS

RCRA NonGen / NLR:
Date form received by agency: 01/01/2007
Facility name: LEHIGH INDUSTRIAL PARK
Facility address: 31 SOUTH ST
LACKAWANNA, NY 14218-2525
EPA ID: NYD986967156
Mailing address: WOLF RD ROOM 222
ALBANY, NY 12202
Contact: Not reported
Contact address: WOLF RD ROOM 222
ALBANY, NY 12202
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: 02
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: LEHIGH INDUSTRIAL PARK CORP
Owner/operator address: NOT REQUIRED
NOT REQUIRED, NY 99999
Owner/operator country: US

LEHIGH INDUSTRIAL PARK (Continued) **1000554254**

Owner/operator telephone: 212-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: LEHIGH INDUSTRIAL PARK CORP
Owner/operator address: NOT REQUIRED
NOT REQUIRED, NY 99999
Owner/operator country: US
Owner/operator telephone: 212-555-1212
Owner/operator email: Not reported
Owner/operator fax: Not reported
Owner/operator extension: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:
U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:
Date form received by agency: 01/01/2006
Site name: LEHIGH INDUSTRIAL PARK
Classification: Not a generator, verified

Date form received by agency: 07/08/1999
Site name: LEHIGH INDUSTRIAL PARK
Classification: Not a generator, verified

Date form received by agency: 03/02/1998
Site name: NYSDEC/REMEDIAL SITE
Classification: Large Quantity Generator

Date form received by agency: 05/10/1993
Site name: LEHIGH INDUSTRIAL PARK
Classification: Large Quantity Generator

LEHIGH INDUSTRIAL PARK (Continued) **1000554254**

. Waste code: X002
. Waste name: POLYCHLORINATED BIPHENOLS (PCBs)

Violation Status: No violations found

Q84 **ALLIED CHEMICAL, INDUSTRIAL CHEMICAL DIV** **SEMS-ARCHIVE** **1000248674**
SE **55 LEE STREET** **CORRACTS** **NYD001863372**
1/2-1 **BUFFALO, NY 14210** **RCRA NonGen / NLR**
0.891 mi. **RAATS**
4707 ft. **Site 5 of 5 in cluster Q** **NY MANIFEST**

Relative: Higher
Actual: 589 ft.

SEMS Archive:
Site ID: 201327
EPA ID: NYD001863372
Cong District: 37
FIPS Code: 36029
FF: N
NPL: Not on the NPL
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

SEMS Archive Detail:
Region: 2
Site ID: 201327
EPA ID: NYD001863372
Site Name: ALLIED CHEMICAL, INDUSTRIAL CHEMICAL DIV
NPL: N
FF: N
OU: 0
Action Code: VS
Action Name: ARCH SITE
SEQ: 1
Start Date: Not reported
Finish Date: 1989-11-07 00:00:00
Qual: Not reported
Current Action Lead: EPA Perf In-Hse

Region: 2
Site ID: 201327
EPA ID: NYD001863372
Site Name: ALLIED CHEMICAL, INDUSTRIAL CHEMICAL DIV
NPL: N
FF: N
OU: 0
Action Code: DS
Action Name: DISCVRY
SEQ: 1
Start Date: 1981-06-01 00:00:00
Finish Date: 1981-06-01 00:00:00
Qual: Not reported
Current Action Lead: EPA Perf

Region: 2
Site ID: 201327
EPA ID: NYD001863372
Site Name: ALLIED CHEMICAL, INDUSTRIAL CHEMICAL DIV
NPL: N
FF: N
OU: 0
Action Code: PA

ALLIED CHEMICAL, INDUSTRIAL CHEMICAL DIV (Continued) **1000248674**

Action Name:	PA
SEQ:	1
Start Date:	1986-09-19 00:00:00
Finish Date:	1986-09-29 00:00:00
Qual:	N
Current Action Lead:	St Perf
Region:	2
Site ID:	201327
EPA ID:	NYD001863372
Site Name:	ALLIED CHEMICAL, INDUSTRIAL CHEMICAL DIV
NPL:	N
FF:	N
OU:	0
Action Code:	SI
Action Name:	SI
SEQ:	1
Start Date:	Not reported
Finish Date:	1989-11-07 00:00:00
Qual:	N
Current Action Lead:	St Perf

CORRACTS:

EPA ID:	NYD001863372
EPA Region:	2
Area Name:	SITEWIDE
Actual Date:	19960929
Action:	CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s):	325192 325188 32511 Cyclic Crude and Intermediate Manufacturing All Other Basic Inorganic Chemical Manufacturing Petrochemical Manufacturing
Original schedule date:	Not reported
Schedule end date:	Not reported

RCRA NonGen / NLR:

Date form received by agency:	01/01/2007
Facility name:	ALLIED CHEMICAL CORP-BUFFALO CHEM
Facility address:	35 LEE ST BUFFALO, NY 14210-2109
EPA ID:	NYD001863372
Mailing address:	PHILADELPHIA PIKE MARCUS HOOK, NY 19061
Contact:	Not reported
Contact address:	PHILADELPHIA PIKE MARCUS HOOK, NY 19061
Contact country:	US
Contact telephone:	Not reported
Contact email:	Not reported
EPA Region:	02
Land type:	Facility is not located on Indian land. Additional information is not known.
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

ALLIED CHEMICAL, INDUSTRIAL CHEMICAL DIV (Continued) **1000248674**

Owner/Operator Summary:

Owner/operator name:	ALLIED CHEMICAL CORP
Owner/operator address:	35 LEE STREET
	OPERCITY, NY 99999
Owner/operator country:	US
Owner/operator telephone:	716-824-8424
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Operator
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Owner/operator name:	ALLIED CHEMICAL CORP
Owner/operator address:	35 LEE ST
	BUFFALO, NY 14210
Owner/operator country:	US
Owner/operator telephone:	716-824-8424
Owner/operator email:	Not reported
Owner/operator fax:	Not reported
Owner/operator extension:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	Not reported
Owner/Op end date:	Not reported

Handler Activities Summary:

U.S. importer of hazardous waste:	No
Mixed waste (haz. and radioactive):	No
Recycler of hazardous waste:	No
Transporter of hazardous waste:	No
Treater, storer or disposer of HW:	No
Underground injection activity:	No
On-site burner exemption:	No
Furnace exemption:	No
Used oil fuel burner:	No
Used oil processor:	No
User oil refiner:	No
Used oil fuel marketer to burner:	No
Used oil Specification marketer:	No
Used oil transfer facility:	No
Used oil transporter:	No

Historical Generators:

Date form received by agency:	01/01/2006
Site name:	ALLIED CHEMICAL CORP-BUFFALO CHEM
Classification:	Not a generator, verified

Date form received by agency:	07/08/1999
Site name:	ALLIED CHEMICAL CORP-BUFFALO CHEM
Classification:	Not a generator, verified

Date form received by agency:	11/19/1980
Site name:	ALLIED CHEMICAL CORP-BUFFALO CHEM
Classification:	Not a generator, verified

ALLIED CHEMICAL, INDUSTRIAL CHEMICAL DIV (Continued) **1000248674**

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D006
. Waste name: CADMIUM

Date form received by agency: 08/11/1980
Site name: ALLIED CHEMICAL CORP-BUFFALO CHEM
Classification: Large Quantity Generator

. Waste code: D000
. Waste name: Not Defined

. Waste code: D002
. Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

. Waste code: D006
. Waste name: CADMIUM

Corrective Action Summary:
Event date: 09/29/1996
Event: CA PRIORITIZATION-LOW CA PRIORITY

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 07/23/1986
Date achieved compliance: 12/21/1986
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 07/23/1986
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 05/06/1982
Date achieved compliance: 07/23/1987
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE

ALLIED CHEMICAL, INDUSTRIAL CHEMICAL DIV (Continued) **1000248674**

Enforcement action date: 04/30/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 8000
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 05/06/1982
Date achieved compliance: 07/23/1987
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 04/27/1984
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 8000
Final penalty amount: 6000
Paid penalty amount: 6000

Evaluation Action Summary:
Evaluation date: 07/23/1987
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/23/1986
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Generators - General
Date achieved compliance: 12/21/1986
Evaluation lead agency: State

Evaluation date: 10/16/1984
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/01/1983
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/06/1982
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 07/23/1987
Evaluation lead agency: EPA

NY MANIFEST:
Country: USA
EPA ID: NYD001863372
Facility Status: Not reported

ALLIED CHEMICAL, INDUSTRIAL CHEMICAL DIV (Continued) **1000248674**

Location Address 1: 35 LEE ST
Code: BP
Location Address 2: Not reported
Total Tanks: Not reported
Location City: BUFFALO
Location State: NY
Location Zip: 14210
Location Zip 4: Not reported

NY MANIFEST:
EPAID: NYD001863372
Mailing Name: ALLIED CHEMICAL CORP
Mailing Contact: TAYLOR JAMES PLANT MANAGE
Mailing Address 1: 35 LEE ST
Mailing Address 2: Not reported
Mailing City: BUFFALO
Mailing State: NY
Mailing Zip: 14210
Mailing Zip 4: Not reported
Mailing Country: USA
Mailing Phone: 7168248424

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85 East 1/2-1 0.952 mi. 5026 ft. **BENGART & MEMEL, INC.** **NY SHWS S109059104**
1079 CLINTON STREET **N/A**
BUFFALO, NY 14206

Relative: Higher
Actual: 590 ft.

SHWS:
Program: HW
Site Code: 58011
Classification: 2
Region: 9
Acres: 0.41
HW Code: 915115
Record Add: 11/18/1999
Record Upd: 05/09/2017
Updated By: CRSTANIS
Site Description: Site Location: The Bengart and Memel (BM) site is located at 1079 Clinton St. in a mixed use urban area on the south side of Clinton St. in the city of Buffalo. Site Features: The site is a rectangular lot approximately 0.41 acres in size. The surrounding land use is a mix of commercial and warehousing operations on the southern side of Clinton St. with residential and commercial on the north side of Clinton St. The site land feature has been altered by the site remediation completed in 2010. The site is level with the street surface, but is about two feet lower than adjoining properties because of historic fill placed on the adjoining properties. The previous concrete block building and asphalt paving was removed during the site remediation. The site is covered with a crushed recycled concrete as a paving aggregate. Current Zoning and Land Use: The site currently zoned commercial and is currently being used for vehicle storage. Past Use of the Site: The former BM business operated for several decades as a scrap metal processor at 1091 Clinton. Record information indicates use of the site for scrap metal process dates back to the 1930s. BM ceased operations in the late-1970s. The former BM operations occupied approximately 2.91

BENGART & MEMEL, INC. (Continued) **S109059104**

acres of land at the 1091 Clinton Street address prior to subdivision in 1979 and a 0.41 acre portion of the 1091 Clinton Street property containing the PCB contamination was subdivided and was given a new address of 1079 Clinton Street, the address for this site. The 1091 Clinton Street property was sold in 1979 to another scrap metal processor. 1091 Clinton Street was sold several additional times thereafter and is currently used by an automobile wrecking operation. The responsible party subsequently sold the 1079 Clinton Street site to an industrial real estate company in 1989 and abandoned several years later. The 1079 Clinto Street site was foreclosed by the City of Buffalo in 2006 due to non-payment of property taxes, and subsequently sold in an In-Rem tax foreclosure auction in 2011. The former BM operations at 1091 Clinton (and 1079 Clinton) utilized three concrete block buildings with the balance of land previously used mostly for non-ferrous scrap metal stockpiling and sorting and some employee parking. The 1079 Clinton parcel contained one of the three former BM buildings, a dilapidated concrete block building formerly used as a garage and storage area. Record information suggests that some of the adjoining land previously owned by BM was utilized as a lumber yard and coal supply business. During operations by BM, scrap metal and alloys were processed and sorted. BM periodically received transformers and capacitors containing PCB fluids. PCB containing fluids were spilled on the site contaminating the soil and shallow groundwater. Fluid spills drained off the site reaching the Buffalo Sewer Authority (BSA) combined sanitary sewer system on Clinton St. A routine evaluation of sewer sediments by the BSA revealed PCBs in the sediments, which were traced back to the BM facility. In 1982, an Order on Consent with the owner of BM required remediation of the PCB spill area on the site. Remediation activities commenced in 1985. Contaminated soil in excess of 50 ppm PCBs was reportedly excavated and placed in drums for subsequent chemical treatment using a proprietary experimental PCB dechlorination process to reduce the PCB soil contamination levels to levels below 50 ppm. Treatment of the PCB-contaminated soils was reportedly completed in 1986. Some of the treated soils were reportedly placed back onto the site and used as fill or were disposed off-site in a secure landfill.
A shallow groundwater collection system was installed to intercept PCB-impacted groundwater in the shallow fill groundwater horizon. The groundwater treatment system was situated on a concrete containment pad that straddled the 0.41 acre site subject to the Order and the balance of the former BM operations site (1091 Clinton St.).
Collected water was batch processed through the groundwater treatment systems (filtration followed by carbon adsorption) prior to discharge to the BSA sanitary sewer system. The PCB-contaminated area was covered with an asphalt cap to minimize contact with residual level PCB-contaminated soil and reduce the generation of PCB-impacted shallow groundwater. Based on available information at that time, the site was reclassified from a Class 2 site to a Class 4 site in 1987.
The groundwater treatment system at 1079 Clinton St. had been inoperable for several years (late 1990s). The responsible party no longer maintained the site and eventually abandoned it in the early 2000s. The owner of the site, an industrial real estate company, did not claim any responsibility for site management and later refuted ownership of the site. Several attempts were made by the NYSDEC to have the responsible party repair the groundwater remediation system and place it back in operation. In response to assess the need for continued operation and upgrade of the collection and treatment

BENGART & MEMEL, INC. (Continued) **S109059104**

system, the DEC performed a limited Site Characterization Study in 2006 to assess existing site conditions for residual PCBs. This investigation indicated elevated PCB concentrations were present in surface and subsurface soils at the site, some of which were above hazardous waste levels. The shallow groundwater zone primarily situated in a fill layer was also determined to be above water quality standards for PCBs. Based on this new information, the site was reclassified in 2009 from the Class 4 site designation back to a Class 2 site. An Interim Remedial Measure (IRM) was developed and implemented by the DEC to remove PCB contaminated materials and fill soil down to clean native soil, and groundwater collection and treatment system was removed from the site. The dilapidated building was also demolished. The site was srestored with new security fencing and covered with a crushed concrete aggregate. The IRM action was completed January 2010. Site Geology and Hydrology: Prior to the IRM, the BM site was covered with fill varying in thickness between 2 to 4 feet. A medium to dense clay is situated below the fill layer. Depth to bedrock had not been determined. Following the IRM, the the native clay soil at the site was covered with one to two feet of recycled concrete as paving aggregate. Groundwater was previously encountered in the fill layer only. Previous studies indicated no defined groundwater in the native clay soil.

Env Problem: PRIOR TO REMEDIATION: The responsible party stopped maintaining the asphalt cap, ceased operating the shallow groundwater remediation system, and abandoned the site. Potential contaminant release points include groundwater bypassing the collection sump, broken pipes in treatment system, and overflow from potentially contaminated media in the treatment system containment area. A limited focused investigation was conducted by the NYSDEC in 2006 to assess existing site conditions for residual PCBs and continued need for maintaining the operation of the groundwater collection and treatment system. The site investigation revealed elevated levels of PCBs found throughout the site in surface and below surface soil samples above Part 375 cleanup standards for commercial facilities of 1 ppm PCBs and above TSCA listed hazardous waste level of 50 ppm PCBs. Subsurface PCB levels varied from levels above 1 ppm to 221 ppm total PCBs. Surface PCB levels varied from 14 ppm to 334 ppm total PCBs. PCB levels at the edge of the lot subject to public exposure varied from 74 ppm to 94 ppm total PCBs. Additionally, sediments/sludge in on-site sumps and catch basins that are connected to off-site sewer manholes also contained PCBs at levels that varied from 32 ppm to 91 ppm total PCBs. The investigation also revealed several volatile organic compound (VOCs) semi-volatile compounds (SVOCs) found in subsurface soil samples. Intrusive work at the site could expose workers to hazardous waste levels of PCBs at the site. Surface contamination was exposed to the public and could migrate from the site. Shallow groundwater was found mostly in porous fill at the site. Where groundwater samples could be collected, results revealed elevated levels of PCBs above the groundwater quality standard of 0.09 ppb (ug/l) PCB. PCB levels in shallow groundwater and several collection sumps revealed levels that varied from 18.2 to 130 ppb total PCBs. The non-functioning ground remediation system and elevated fill at the site created a potential for off-site migration of PCB contamination from groundwater seeps that could occur along the fill embankment at the site. POST REMEDIATION: An Interim Remedial Action (IRM) involving the removal PCB waste material down to native soil was completed January 2010. The remedial action also involved removal

BENGART & MEMEL, INC. (Continued) **S109059104**

	of the existing PCB impacted structure, PCB impacted soil below the building, the shallow groundwater collection and treatment system, and removal of sumps, pits and piping containing PCB impacted residues. Residual contaminants in native soils was at or below unrestricted soil levels. The remediation work involved excavation soil to the property boundary and beyond, where possible. Sidewall samples were generally collected in sidewalls that extended into the adjoining offsite areas. No sidewall samples were collected from the sidewall facing Clinton Street. The sidewall samples from the stratified, visually contaminated soil/fill layer revealed PCB and SVOC contaminated soil/fill extends onto adjoining properties. Sections of the sidewalls exceeds hazardous waste levels for PCBs or are considered grossly contaminated by the total level of SVOCs.
Health Problem:	People frequenting the site may come in contact with contaminated soil or inhale contaminated dust. Drinking contaminated water is not expected since public water serves the area.
Dump:	True
Structure:	False
Lagoon:	False
Landfill:	False
Pond:	False
Disp Start:	1950
Disp Term:	1978
Lat/Long:	42:52:40:0 / 78:50:08:0
Dell:	False
Record Add:	1999-11-18 12:00:00
Record Upd:	2015-03-03 13:12:00
Updated By:	EWMELNYK
Own Op:	Disp. Owner
Sub Type:	A
Owner Name:	HOWARD POPKIN
Owner Company:	BENGART AND MEMEL, INC
Owner Address:	95 CIMMARAND DRIVE
Owner Addr2:	Not reported
Owner City,St,Zip:	WILLIAMSVILLE, NY 14211
Owner Country:	United States of America
Own Op:	Owner
Sub Type:	08
Owner Name:	Peter Szymborski
Owner Company:	Private Individual
Owner Address:	301 Lognecker
Owner Addr2:	Not reported
Owner City,St,Zip:	Buffalo, NY 14206
Owner Country:	United States of America
Own Op:	Disp. Owner
Sub Type:	E
Owner Name:	HOWARD POPKIN
Owner Company:	BENGART AND MEMEL, INC
Owner Address:	95 CIMMARAND DRIVE
Owner Addr2:	Not reported
Owner City,St,Zip:	WILLIAMSVILLE, NY 14211
Owner Country:	United States of America
HW Code:	915115
Waste Type:	CARBON TETRACHLORIDE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	915115

BENGART & MEMEL, INC. (Continued) **S109059104**

Waste Type:	1,2,4-TRICHLOROBENZENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	915115
Waste Type:	1,4-DICHLOROBENZENE
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
HW Code:	915115
Waste Type:	POLYCHLORINATED BIPHENYLS (PCB)
Waste Quantity:	UNKNOWN
Waste Code:	Not reported
Crossref ID:	NYD013703319
Cross Ref Type Code:	05
Cross Ref Type:	EPA Site ID
Record Added Date:	1999-11-18 12:00:00
Record Updated:	2001-05-10 16:31:00
Updated By:	REGTRANS
Crossref ID:	91-7T01-06-82
Cross Ref Type Code:	23
Cross Ref Type:	Agreement/Consent Order Number
Record Added Date:	2009-03-10 11:03:00
Record Updated:	2009-03-10 11:03:00
Updated By:	DMMOLOUG

Count: 7 records. ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BUFFALO	S121933858	BUFFALO RIVER - GLNPO DREDGING PRO	BUFFALO RIVER AND CITY SHIP CA	14206	NY SHWS
BUFFALO	S113917042	ERIE-LACKAWANNA	SE CORNER OF BAILEY AVE. AND W	14206	NY SHWS
BUFFALO	1003863828	WL MCDOUGALL CO	ELK & PREVITT STS	14210	SEMS-ARCHIVE
BUFFALO	1015735641	UNITED STATES STEEL CORP /BUFFALO	FOOT OF KATHERINE ST	14210	SEMS-ARCHIVE
BUFFALO	S113917027	US STEEL - EASTERN LIMESTONE DIVIS	KATHERINE STREET	14203	NY SHWS
BUFFALO	S113916944	ALLIED CHEMICAL-HOPKINS ST. SITE	NORTH OF SOUTH PARK AND HOPKIN		NY SHWS
BUFFALO	S113917117	NEW BUFFALO INDUSTRIAL PARK	SOUTH OGDEN, DINGENS, BAILEY		NY SHWS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 23

Source: EPA
Telephone: N/A
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 23

Source: EPA
Telephone: N/A
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 05/13/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 23

Source: EPA
Telephone: N/A
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities.

Date of Government Version: 11/07/2016
Date Data Arrived at EDR: 01/05/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 92

Source: Environmental Protection Agency
Telephone: 703-603-8704
Last EDR Contact: 04/06/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 05/18/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 23

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 07/30/2018
Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site.

Date of Government Version: 05/18/2018
Date Data Arrived at EDR: 05/30/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 23

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 07/30/2018
Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

RCRA-SQG: RCRA - Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 02/16/2018
Date Data Arrived at EDR: 02/22/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 78

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 05/09/2018
Next Scheduled EDR Contact: 08/27/2018
Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 02/13/2018
Date Data Arrived at EDR: 02/27/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/29/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 02/13/2018
Date Data Arrived at EDR: 02/27/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 73

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 05/29/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/19/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 73

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

State- and tribal - equivalent CERCLIS

SHWS: Inactive Hazardous Waste Disposal Sites in New York State

Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 05/14/2018
Date Data Arrived at EDR: 05/16/2018
Date Made Active in Reports: 06/05/2018
Number of Days to Update: 20

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 08/27/2018
Data Release Frequency: Annually

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Facility Register

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 12/08/2017
Date Data Arrived at EDR: 01/02/2018
Date Made Active in Reports: 01/31/2018
Number of Days to Update: 29

Source: Department of Environmental Conservation
Telephone: 518-457-2051
Last EDR Contact: 04/02/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 10/24/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 10/14/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 10/16/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80
Source: EPA, Region 5
Telephone: 312-886-7439
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land
A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/14/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80
Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80
Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/12/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80
Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/12/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80
Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 01/06/2018
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80
Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

LTANKS: Spills Information Database
Leaking Storage Tank Incident Reports. These records contain an inventory of reported leaking storage tank incidents reported from 4/1/86 through the most recent update. They can be either leaking underground storage tanks or leaking aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills.

Date of Government Version: 05/14/2018
Date Data Arrived at EDR: 05/16/2018
Date Made Active in Reports: 06/12/2018
Number of Days to Update: 27
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 08/27/2018
Data Release Frequency: Varies

HIST LTANKS: Listing of Leaking Storage Tanks

A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 05/15/2017
Date Data Arrived at EDR: 05/30/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 136

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 04/13/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Varies

UST: Petroleum Bulk Storage (PBS) Database

Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 03/26/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 04/27/2018
Number of Days to Update: 30

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: No Update Planned

CBS UST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 10/24/2005
Next Scheduled EDR Contact: 01/23/2006
Data Release Frequency: No Update Planned

MOSF UST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

MOSF: Major Oil Storage Facility Site Listing

These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 03/26/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 05/14/2018
Number of Days to Update: 47

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

CBS: Chemical Bulk Storage Site Listing

These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 03/26/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 05/14/2018
Number of Days to Update: 47

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

AST: Petroleum Bulk Storage

Registered Aboveground Storage Tanks.

Date of Government Version: 03/26/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 04/27/2018
Number of Days to Update: 30

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: No Update Planned

CBS AST: Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

MOSF AST: Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 02/20/2002
Date Made Active in Reports: 03/22/2002
Number of Days to Update: 30

Source: NYSDEC
Telephone: 518-402-9549
Last EDR Contact: 07/25/2005
Next Scheduled EDR Contact: 10/24/2005
Data Release Frequency: No Update Planned

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 09/30/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/14/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 10/12/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 10/14/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 10/16/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 10/24/2017
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 01/13/2018
Date Data Arrived at EDR: 01/23/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 80

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 04/24/2017
Date Data Arrived at EDR: 07/27/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 134

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

TANKS: Storage Tank Faciliy Listing
This database contains records of facilities that are or have been regulated under Bulk Storage Program. Tank information for these facilities may not be releasable by the state agency.

Date of Government Version: 03/26/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 04/30/2018
Number of Days to Update: 33
Source: Department of Environmental Conservation
Telephone: 518-402-9543
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

State and tribal institutional control / engineering control registries

RES DECL: Restrictive Declarations Listing
A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 11/18/2010
Date Data Arrived at EDR: 06/30/2014
Date Made Active in Reports: 07/21/2014
Number of Days to Update: 21
Source: NYC Department of City Planning
Telephone: 212-720-3401
Last EDR Contact: 06/22/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Varies

ENV RES DECL: Environmental Restrictive Declarations
The Environmental Restrictive Declarations (ERD) listed were recorded in connection with a zoning action against the noted Tax Blocks and Tax Lots, or portion thereof, and are available in the property records on file at the Office of the City Register for Bronx, Kings, New York and Queens counties or at the Richmond County Clerk's office. They contain environmental requirements with respect to hazardous materials, air quality and/or noise in accordance with Section 11-15 of this Resolution.

Date of Government Version: 06/27/2017
Date Data Arrived at EDR: 09/21/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 1
Source: New York City Department of City Planning
Telephone: 212-720-3300
Last EDR Contact: 06/18/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Varies

ENG CONTROLS: Registry of Engineering Controls
Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 05/14/2018
Date Data Arrived at EDR: 05/16/2018
Date Made Active in Reports: 06/05/2018
Number of Days to Update: 20
Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 08/27/2018
Data Release Frequency: Quarterly

INST CONTROL: Registry of Institutional Controls
Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 05/14/2018
Date Data Arrived at EDR: 05/16/2018
Date Made Active in Reports: 06/05/2018
Number of Days to Update: 20
Source: Department of Environmental Conservation
Telephone: 518-402-9553
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 08/27/2018
Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

INDIAN VCP R1: Voluntary Cleanup Priority Listing
A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015
Date Data Arrived at EDR: 09/29/2015
Date Made Active in Reports: 02/18/2016
Number of Days to Update: 142

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 06/22/2018
Next Scheduled EDR Contact: 10/08/2018
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP NYC: Voluntary Cleanup Program Listing NYC

New York City voluntary cleanup program sites.

Date of Government Version: 03/26/2018
Date Data Arrived at EDR: 03/29/2018
Date Made Active in Reports: 05/14/2018
Number of Days to Update: 46

Source: New York City Office of Environmental Protection
Telephone: 212-788-8841
Last EDR Contact: 06/15/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Varies

VCP: Voluntary Cleanup Agreements

New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 05/14/2018
Date Data Arrived at EDR: 05/16/2018
Date Made Active in Reports: 06/05/2018
Number of Days to Update: 20

Source: Department of Environmental Conservation
Telephone: 518-402-9711
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 08/27/2018
Data Release Frequency: Semi-Annually

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site List

A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 05/14/2018
Date Data Arrived at EDR: 05/16/2018
Date Made Active in Reports: 06/05/2018
Number of Days to Update: 20

Source: Department of Environmental Conservation
Telephone: 518-402-9764
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 08/27/2018
Data Release Frequency: Semi-Annually

ERP: Environmental Restoration Program Listing

In an effort to spur the cleanup and redevelopment of brownfields, New Yorkers approved a $200 million Environmental Restoration or Brownfields Fund as part of the $1.75 billion Clean Water/Clean Air Bond Act of 1996 (1996 Bond Act). Enhancements to the program were enacted on October 7, 2003. Under the Environmental Restoration Program, the State provides grants to municipalities to reimburse up to 90 percent of on-site eligible costs and 100% of off-site eligible costs for site investigation and remediation activities. Once remediated, the property may then be reused for commercial, industrial, residential or public use.

Date of Government Version: 05/14/2018
Date Data Arrived at EDR: 05/16/2018
Date Made Active in Reports: 06/05/2018
Number of Days to Update: 20

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 08/27/2018
Data Release Frequency: Quarterly

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 03/19/2018
Date Data Arrived at EDR: 03/21/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/20/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

SWRCY: Registered Recycling Facility List

A listing of recycling facilities.

Date of Government Version: 12/08/2017
Date Data Arrived at EDR: 01/02/2018
Date Made Active in Reports: 01/31/2018
Number of Days to Update: 29

Source: Department of Environmental Conservation
Telephone: 518-402-8705
Last EDR Contact: 04/02/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

SWTIRE: Registered Waste Tire Storage & Facility List

A listing of facilities registered to accept waste tires.

Date of Government Version: 02/27/2018
Date Data Arrived at EDR: 04/06/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 63

Source: Department of Environmental Conservation
Telephone: 518-402-8694
Last EDR Contact: 06/07/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: No Update Planned

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 01/30/2018
Next Scheduled EDR Contact: 05/14/2018
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 04/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

IHS OPEN DUMPS: Open Dumps on Indian Land

A listing of all open dumps located on Indian Land in the United States.

Date of Government Version: 04/01/2014
Date Data Arrived at EDR: 08/06/2014
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 176

Source: Department of Health & Human Serivces, Indian Health Service
Telephone: 301-443-1452
Last EDR Contact: 05/04/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Varies

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 02/22/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 71

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: No Update Planned

DEL SHWS: Delisted Registry Sites

A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 05/14/2018
Date Data Arrived at EDR: 05/16/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 23

Source: Department of Environmental Conservation
Telephone: 518-402-9622
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 08/27/2018
Data Release Frequency: Quarterly

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 02/22/2018
Date Data Arrived at EDR: 03/01/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 71

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Quarterly

Local Lists of Registered Storage Tanks

HIST UST: Historical Petroleum Bulk Storage Database

These facilities have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. It is no longer updated due to the sensitive nature of the information involved. See UST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: Varies

HIST AST: Historical Petroleum Bulk Storage Database
These facilities have petroleum storage capabilities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. No longer updated due to the sensitive nature of the information involved. See AST for more current data.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 06/02/2006
Date Made Active in Reports: 07/20/2006
Number of Days to Update: 48
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 10/23/2006
Next Scheduled EDR Contact: 01/22/2007
Data Release Frequency: No Update Planned

Local Land Records

LIENS: Spill Liens Information
Lien information from the Oil Spill Fund.

Date of Government Version: 05/07/2018
Date Data Arrived at EDR: 05/09/2018
Date Made Active in Reports: 06/05/2018
Number of Days to Update: 27
Source: Office of the State Comptroller
Telephone: 518-474-9034
Last EDR Contact: 05/03/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Quarterly

LIENS 2: CERCLA Lien Information
A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 01/09/2018
Date Data Arrived at EDR: 02/06/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 94
Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Semi-Annually

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/26/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 73
Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

SPILLS: Spills Information Database
Data collected on spills reported to NYSDEC as required by one or more of the following: Article 12 of the Navigation Law, 6 NYCRR Section 613.8 (from PBS regs), or 6 NYCRR Section 595.2 (from CBS regs). It includes spills active as of April 1, 1986, as well as spills occurring since this date.

Date of Government Version: 05/14/2018
Date Data Arrived at EDR: 05/16/2018
Date Made Active in Reports: 06/12/2018
Number of Days to Update: 27
Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 05/16/2018
Next Scheduled EDR Contact: 08/27/2018
Data Release Frequency: Varies

HIST SPILLS: SPILLS Database
This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002
Date Data Arrived at EDR: 07/08/2005
Date Made Active in Reports: 07/14/2005
Number of Days to Update: 6

Source: Department of Environmental Conservation
Telephone: 518-402-9549
Last EDR Contact: 07/07/2005
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 12/14/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/12/2013
Number of Days to Update: 40

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

SPILLS 80: SPILLS80 data from FirstSearch

Spills 80 includes those spill and release records available from FirstSearch databases prior to 1990. Typically, they may include chemical, oil and/or hazardous substance spills recorded before 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 80.

Date of Government Version: 11/02/2010
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 03/07/2013
Number of Days to Update: 63

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/28/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 86

Source: Environmental Protection Agency
Telephone: (212) 637-3660
Last EDR Contact: 03/28/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 05/25/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 04/13/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 04/11/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 01/01/2017
Date Data Arrived at EDR: 02/03/2017
Date Made Active in Reports: 04/07/2017
Number of Days to Update: 63

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 05/15/2018
Next Scheduled EDR Contact: 08/27/2018
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 03/01/2018
Date Data Arrived at EDR: 03/27/2018
Date Made Active in Reports: 06/22/2018
Number of Days to Update: 87

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 03/27/2018
Next Scheduled EDR Contact: 07/09/2018
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 05/07/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 05/08/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 06/21/2017
Date Made Active in Reports: 01/05/2018
Number of Days to Update: 198

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/22/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 01/10/2018
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 2

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/25/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 04/09/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 01/09/2018
Date Data Arrived at EDR: 02/06/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 94

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Annually

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 11/02/2017
Date Data Arrived at EDR: 11/17/2017
Date Made Active in Reports: 12/08/2017
Number of Days to Update: 21

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 04/20/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013
Date Data Arrived at EDR: 10/17/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 3

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 06/01/2017
Date Data Arrived at EDR: 06/09/2017
Date Made Active in Reports: 10/13/2017
Number of Days to Update: 126

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 04/13/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 11/18/2016
Date Data Arrived at EDR: 11/23/2016
Date Made Active in Reports: 02/10/2017
Number of Days to Update: 79

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 04/09/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25
Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/18/2017
Next Scheduled EDR Contact: 12/04/2017
Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System
MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 08/30/2016
Date Data Arrived at EDR: 09/08/2016
Date Made Active in Reports: 10/21/2016
Number of Days to Update: 43
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 05/03/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data
A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76
Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 06/07/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List
A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40
Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 06/04/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database
The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 05/24/2017
Date Data Arrived at EDR: 11/30/2017
Date Made Active in Reports: 12/15/2017
Number of Days to Update: 15
Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 04/27/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Varies

RADINFO: Radiation Information Database
The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 01/03/2018
Date Data Arrived at EDR: 01/04/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 99

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 04/05/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 05/03/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 01/24/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 79

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 06/22/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 02/22/2017
Date Made Active in Reports: 09/28/2017
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 05/25/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Biennially

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/14/2015
Date Made Active in Reports: 01/10/2017
Number of Days to Update: 546

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 04/11/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 12/23/2016
Date Data Arrived at EDR: 12/27/2016
Date Made Active in Reports: 02/17/2017
Number of Days to Update: 52

Source: Department of Energy
Telephone: 202-586-3559
Last EDR Contact: 05/07/2018
Next Scheduled EDR Contact: 08/20/2018
Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 06/23/2017
Date Data Arrived at EDR: 10/11/2017
Date Made Active in Reports: 11/03/2017
Number of Days to Update: 23

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/09/2018
Date Data Arrived at EDR: 02/06/2018
Date Made Active in Reports: 03/02/2018
Number of Days to Update: 24

Source: Environmental Protection Agency
Telephone: 703-603-8787
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001
Date Data Arrived at EDR: 10/27/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 36

Source: American Journal of Public Health
Telephone: 703-305-6451
Last EDR Contact: 12/02/2009
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 10/12/2016
Date Data Arrived at EDR: 10/26/2016
Date Made Active in Reports: 02/03/2017
Number of Days to Update: 100

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 09/26/2017
Next Scheduled EDR Contact: 01/08/2018
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 01/25/2018
Date Data Arrived at EDR: 02/28/2018
Date Made Active in Reports: 05/11/2018
Number of Days to Update: 72

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 05/31/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 05/30/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Varies

ABANDONED MINES: Abandoned Mines

An inventory of land and water impacted by past mining (primarily coal mining) is maintained by OSMRE to provide information needed to implement the Surface Mining Control and Reclamation Act of 1977 (SMCRA). The inventory contains information on the location, type, and extent of AML impacts, as well as, information on the cost associated with the reclamation of those problems. The inventory is based upon field surveys by State, Tribal, and OSMRE program officials. It is dynamic to the extent that it is modified as new problems are identified and existing problems are reclaimed.

Date of Government Version: 03/08/2018
Date Data Arrived at EDR: 03/13/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 87

Source: Department of Interior
Telephone: 202-208-2609
Last EDR Contact: 06/20/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 02/21/2018
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 28

Source: EPA
Telephone: (212) 637-3000
Last EDR Contact: 06/06/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Quarterly

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 09/30/2016
Date Data Arrived at EDR: 10/31/2017
Date Made Active in Reports: 01/12/2018
Number of Days to Update: 73

Source: Department of Defense
Telephone: 703-704-1564
Last EDR Contact: 04/13/2018
Next Scheduled EDR Contact: 07/30/2018
Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 01/04/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 04/13/2018
Number of Days to Update: 84

Source: Environmental Protection Agency
Telephone: 202-564-0527
Last EDR Contact: 06/01/2018
Next Scheduled EDR Contact: 09/10/2018
Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 02/25/2018
Date Data Arrived at EDR: 03/17/2018
Date Made Active in Reports: 06/08/2018
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-564-2280
Last EDR Contact: 06/06/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 02/20/2018
Date Data Arrived at EDR: 02/21/2018
Date Made Active in Reports: 03/23/2018
Number of Days to Update: 30

Source: EPA
Telephone: 800-385-6164
Last EDR Contact: 05/23/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Quarterly

AIRS: Air Emissions Data

Point source emissions inventory data.

Date of Government Version: 02/07/2018
Date Data Arrived at EDR: 02/13/2018
Date Made Active in Reports: 03/27/2018
Number of Days to Update: 42

Source: Department of Environmental Conservation
Telephone: 518-402-8452
Last EDR Contact: 04/20/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: Annually

COAL ASH: Coal Ash Disposal Site Listing
A listing of coal ash disposal site locations.

Date of Government Version: 09/25/2017
Date Data Arrived at EDR: 09/26/2017
Date Made Active in Reports: 10/12/2017
Number of Days to Update: 16

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 04/02/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

DRYCLEANERS: Registered Drycleaners
A listing of all registered drycleaning facilities.

Date of Government Version: 03/07/2018
Date Data Arrived at EDR: 03/30/2018
Date Made Active in Reports: 06/05/2018
Number of Days to Update: 67

Source: Department of Environmental Conservation
Telephone: 518-402-8403
Last EDR Contact: 06/07/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Annually

E DESIGNATION: E DESIGNATION SITE LISTING
The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 02/14/2018
Date Data Arrived at EDR: 03/23/2018
Date Made Active in Reports: 05/14/2018
Number of Days to Update: 52

Source: New York City Department of City Planning
Telephone: 718-595-6658
Last EDR Contact: 06/18/2018
Next Scheduled EDR Contact: 10/01/2018
Data Release Frequency: Semi-Annually

Financial Assurance 1: Financial Assurance Information Listing
Financial assurance information.

Date of Government Version: 12/01/2017
Date Data Arrived at EDR: 01/02/2018
Date Made Active in Reports: 01/31/2018
Number of Days to Update: 29

Source: Department of Environmental Conservation
Telephone: 518-402-8660
Last EDR Contact: 04/02/2018
Next Scheduled EDR Contact: 07/16/2018
Data Release Frequency: Quarterly

Financial Assurance 2: Financial Assurance Information Listing
A listing of financial assurance information for hazardous waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 12/29/2017
Date Data Arrived at EDR: 04/06/2018
Date Made Active in Reports: 06/05/2018
Number of Days to Update: 60

Source: Department of Environmental Conservation
Telephone: 518-402-8712
Last EDR Contact: 06/07/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Varies

HSWDS: Hazardous Substance Waste Disposal Site Inventory
The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-Registry sites that U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared. Hazardous Substance Waste Disposal Sites are eligible to be Superfund sites now that the New York State Superfund has been refinanced and changed. This means that the study inventory has served its purpose and will no longer be maintained as a separate entity. The last version of the study inventory is frozen in time. The sites on the study will not automatically be made Superfund sites, rather each site will be further evaluated for listing on the Registry. So overtime they will be added to the registry or not.

Date of Government Version: 01/01/2003
Date Data Arrived at EDR: 10/20/2006
Date Made Active in Reports: 11/30/2006
Number of Days to Update: 41

Source: Department of Environmental Conservation
Telephone: 518-402-9564
Last EDR Contact: 05/26/2009
Next Scheduled EDR Contact: 08/24/2009
Data Release Frequency: No Update Planned

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 04/30/2018
Date Data Arrived at EDR: 05/03/2018
Date Made Active in Reports: 06/07/2018
Number of Days to Update: 35

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 05/03/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Quarterly

SPDES: State Pollutant Discharge Elimination System

New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 10/25/2017
Date Data Arrived at EDR: 10/27/2017
Date Made Active in Reports: 11/28/2017
Number of Days to Update: 32

Source: Department of Environmental Conservation
Telephone: 518-402-8233
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/06/2018
Data Release Frequency: No Update Planned

VAPOR REOPENED: Vapor Intrusion Legacy Site List

New York is currently re-evaluating previous assumptions and decisions regarding the potential for soil vapor intrusion exposures at sites. As a result, all past, current, and future contaminated sites will be evaluated to determine whether these sites have the potential for exposures related to soil vapor intrusion.

Date of Government Version: 01/01/2018
Date Data Arrived at EDR: 02/15/2018
Date Made Active in Reports: 03/27/2018
Number of Days to Update: 40

Source: Department of Environmenal Conservation
Telephone: 518-402-9814
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/27/2018
Data Release Frequency: Varies

UIC: Underground Injection Control Wells

A listing of enhanced oil recovery underground injection wells.

Date of Government Version: 03/04/2018
Date Data Arrived at EDR: 03/08/2018
Date Made Active in Reports: 03/27/2018
Number of Days to Update: 19

Source: Department of Environmental Conservation
Telephone: 518-402-8056
Last EDR Contact: 06/07/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

EDR Hist Auto: EDR Exclusive Historical Auto Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR Hist Cleaner: EDR Exclusive Historical Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

EDR RECOVERED GOVERNMENT ARCHIVES

Exclusive Recovered Govt. Archives

RGA HWS: Recovered Government Archive State Hazardous Waste Facilities List

The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 12/30/2013
Number of Days to Update: 182

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

RGA LF: Recovered Government Archive Solid Waste Facilities List

The EDR Recovered Government Archive Landfill database provides a list of landfills derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of Environmental Conservation in New York.

Date of Government Version: N/A
Date Data Arrived at EDR: 07/01/2013
Date Made Active in Reports: 01/10/2014
Number of Days to Update: 193

Source: Department of Environmental Conservation
Telephone: N/A
Last EDR Contact: 06/01/2012
Next Scheduled EDR Contact: N/A
Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

COUNTY RECORDS

CORTLAND COUNTY:

Cortland County Storage Tank Listing
A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 01/02/2018
Date Data Arrived at EDR: 03/05/2018
Date Made Active in Reports: 03/29/2018
Number of Days to Update: 24

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 04/30/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Quarterly

Cortland County Storage Tank Listing
A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 01/02/2018
Date Data Arrived at EDR: 03/05/2018
Date Made Active in Reports: 03/29/2018
Number of Days to Update: 24

Source: Cortland County Health Department
Telephone: 607-753-5035
Last EDR Contact: 04/30/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Quarterly

NASSAU COUNTY:

Registered Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 04/30/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: No Update Planned

Storage Tank Database
A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34

Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 04/30/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Varies

Registered Tank Database in Nassau County
A listing of facilities in Nassau County with storage tanks.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35

Source: Nassau County Department of Health
Telephone: 516-227-9691
Last EDR Contact: 04/30/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Varies

Registered Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 01/09/2017
Date Data Arrived at EDR: 01/11/2017
Date Made Active in Reports: 02/15/2017
Number of Days to Update: 35

Source: Nassau County Health Department
Telephone: 516-571-3314
Last EDR Contact: 04/30/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: No Update Planned

Storage Tank Database
A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 02/15/2011
Date Data Arrived at EDR: 02/23/2011
Date Made Active in Reports: 03/29/2011
Number of Days to Update: 34
Source: Nassau County Office of the Fire Marshal
Telephone: 516-572-1000
Last EDR Contact: 04/30/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Varies

ROCKLAND COUNTY:

Petroleum Bulk Storage Database
A listing of aboveground storage tank sites located in Rockland County.

Date of Government Version: 02/02/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 189
Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 06/01/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Quarterly

Petroleum Bulk Storage Database
A listing of underground storage tank sites located in Rockland County.

Date of Government Version: 02/02/2017
Date Data Arrived at EDR: 03/17/2017
Date Made Active in Reports: 09/22/2017
Number of Days to Update: 189
Source: Rockland County Health Department
Telephone: 914-364-2605
Last EDR Contact: 06/01/2018
Next Scheduled EDR Contact: 09/17/2018
Data Release Frequency: Quarterly

SUFFOLK COUNTY:

Storage Tank Database
A listing of aboveground storage tank sites located in Suffolk County.

Date of Government Version: 03/03/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/23/2015
Number of Days to Update: 13
Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 04/30/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: No Update Planned

Storage Tank Database
A listing of underground storage tank sites located in Suffolk County.

Date of Government Version: 03/03/2015
Date Data Arrived at EDR: 03/10/2015
Date Made Active in Reports: 03/23/2015
Number of Days to Update: 13
Source: Suffolk County Department of Health Services
Telephone: 631-854-2521
Last EDR Contact: 04/30/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: No Update Planned

WESTCHESTER COUNTY:

Listing of Storage Tanks
A listing of aboveground storage tank sites located in Westchester County.

Date of Government Version: 04/26/2018
Date Data Arrived at EDR: 05/11/2018
Date Made Active in Reports: 06/05/2018
Number of Days to Update: 25
Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 04/30/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Semi-Annually

Listing of Storage Tanks

A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 04/26/2018
Date Data Arrived at EDR: 05/11/2018
Date Made Active in Reports: 06/05/2018
Number of Days to Update: 25

Source: Westchester County Department of Health
Telephone: 914-813-5161
Last EDR Contact: 04/30/2018
Next Scheduled EDR Contact: 08/13/2018
Data Release Frequency: Semi-Annually

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 01/03/2018
Date Data Arrived at EDR: 02/14/2018
Date Made Active in Reports: 03/22/2018
Number of Days to Update: 36

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 05/18/2018
Next Scheduled EDR Contact: 08/27/2018
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 04/11/2017
Date Made Active in Reports: 07/27/2017
Number of Days to Update: 107

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 04/23/2018
Next Scheduled EDR Contact: 07/23/2018
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 07/25/2017
Date Made Active in Reports: 09/25/2017
Number of Days to Update: 62

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 04/12/2018
Next Scheduled EDR Contact: 07/30/2018
Data Release Frequency: Annually

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2017
Date Data Arrived at EDR: 02/23/2018
Date Made Active in Reports: 04/09/2018
Number of Days to Update: 45

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 05/21/2018
Next Scheduled EDR Contact: 09/03/2018
Data Release Frequency: Annually

VT MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 01/12/2018
Date Data Arrived at EDR: 01/19/2018
Date Made Active in Reports: 02/13/2018
Number of Days to Update: 25

Source: Department of Environmental Conservation
Telephone: 802-241-3443
Last EDR Contact: 04/16/2018
Next Scheduled EDR Contact: 07/30/2018
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2016
Date Data Arrived at EDR: 04/13/2017
Date Made Active in Reports: 07/14/2017
Number of Days to Update: 92

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/11/2018
Next Scheduled EDR Contact: 09/24/2018
Data Release Frequency: Annually

Oil/Gas Pipelines
Source: PennWell Corporation
Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data
Source: PennWell Corporation
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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:
Source: American Hospital Association, Inc.
Telephone: 312-280-5991
The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing
Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000
A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes
Source: National Institutes of Health
Telephone: 301-594-6248
Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools
Source: National Center for Education Statistics
Telephone: 202-502-7300
The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Day Care Providers
Source: Department of Health
Telephone: 212-676-2444

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

619 EXCHANGE ST
619 EXCHANGE ST
BUFFALO, NY 14210

TARGET PROPERTY COORDINATES

Latitude (North):	42.875149 - 42° 52' 30.54''
Longitude (West):	78.854234 - 78° 51' 15.24''
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	675259.6
UTM Y (Meters):	4748969.0
Elevation:	589 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5937939 BUFFALO NE, NY
Version Date:	2013
Southeast Map:	5937941 BUFFALO SE, NY
Version Date:	2013
Southwest Map:	5938307 BUFFALO SE OE W, NY
Version Date:	2013
Northwest Map:	5938774 BUFFALO NW, NY
Version Date:	2013

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

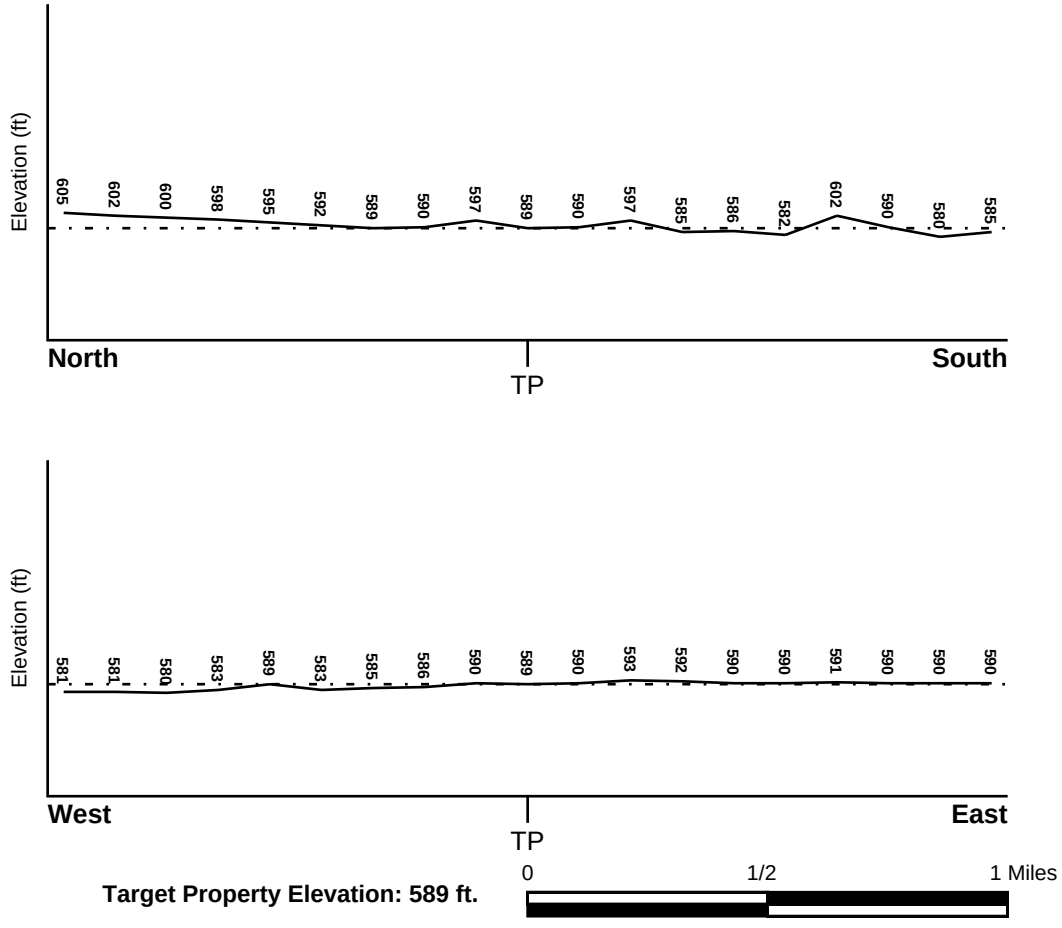
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General NW

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

Flood Plain Panel at Target Property	FEMA Source Type
3602300020B	FEMA Q3 Flood data

Additional Panels in search area:	FEMA Source Type
3602300010B	FEMA Q3 Flood data
36029C0326G	FEMA FIRM Flood data
36029C0327G	FEMA FIRM Flood data

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
BUFFALO NE	YES - refer to the Overview Map and Detail Map

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
Not Reported		

* ©1996 Site−specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

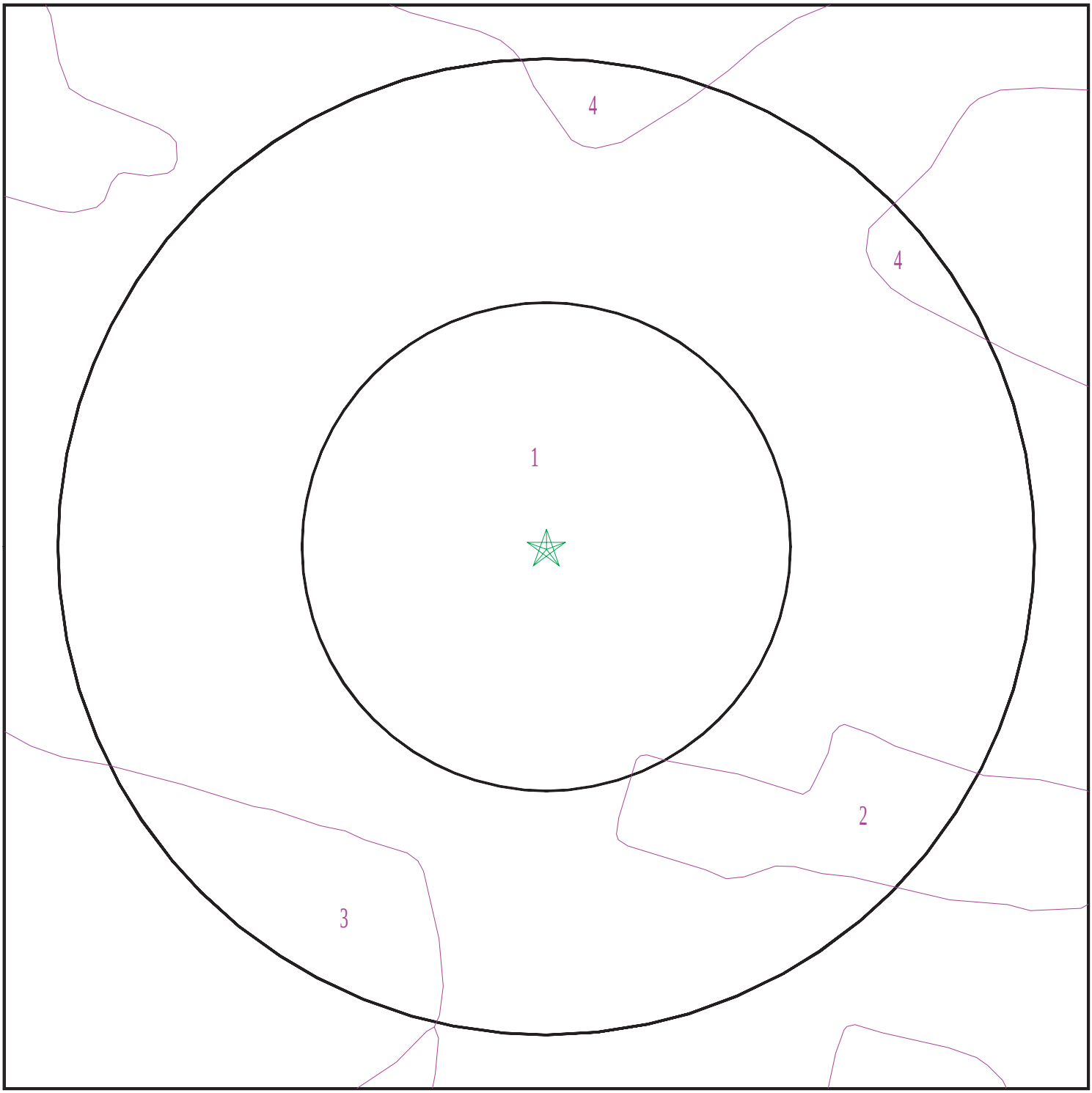
Era:	Paleozoic
System:	Devonian
Series:	Middle Devonian
Code:	D2 *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

SSURGO SOIL MAP - 5346299.2s



Target Property
SSURGO Soil
Water

0 1/16 1/8 1/4 Miles

N

SITE NAME:	619 Exchange St	CLIENT:	TurnKey Environmental Restoration, LLC.
ADDRESS:	619 Exchange St Buffalo NY 14210	CONTACT:	Chad Schuster
LAT/LONG:	42.875149 / 78.854234	INQUIRY #:	5346299.2s
		DATE:	June 27, 2018 1:33 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. The following information is based on Soil Conservation Service SSURGO data.

Soil Map ID: 1

Soil Component Name: Urban land

Soil Surface Texture:
Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

Soil Map ID: 2

Soil Component Name: Urban

Soil Surface Texture:
Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 31 inches

No Layer Information available.

Soil Map ID: 3

Soil Component Name: Urban

Soil Surface Texture:
Hydrologic Group: Not reported

Soil Drainage Class:

Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 31 inches

No Layer Information available.

Soil Map ID: 4

Soil Component Name: Urban

Soil Surface Texture:
Hydrologic Group: Not reported

Soil Drainage Class:
Hydric Status: Unknown

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 69 inches

No Layer Information available.

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 0.001 miles
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS40000864380	1/4 - 1/2 Mile NNE
2	USGS40000864357	1/4 - 1/2 Mile NW
3	USGS40000864244	1/4 - 1/2 Mile West
4	USGS40000864346	1/2 - 1 Mile WNW
5	USGS40000864245	1/2 - 1 Mile West
6	USGS40000864238	1/2 - 1 Mile East
7	USGS40000864278	1/2 - 1 Mile West
8	USGS40000864366	1/2 - 1 Mile WNW
9	USGS40000864215	1/2 - 1 Mile East
10	USGS40000864336	1/2 - 1 Mile ENE
11	USGS40000864374	1/2 - 1 Mile WNW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

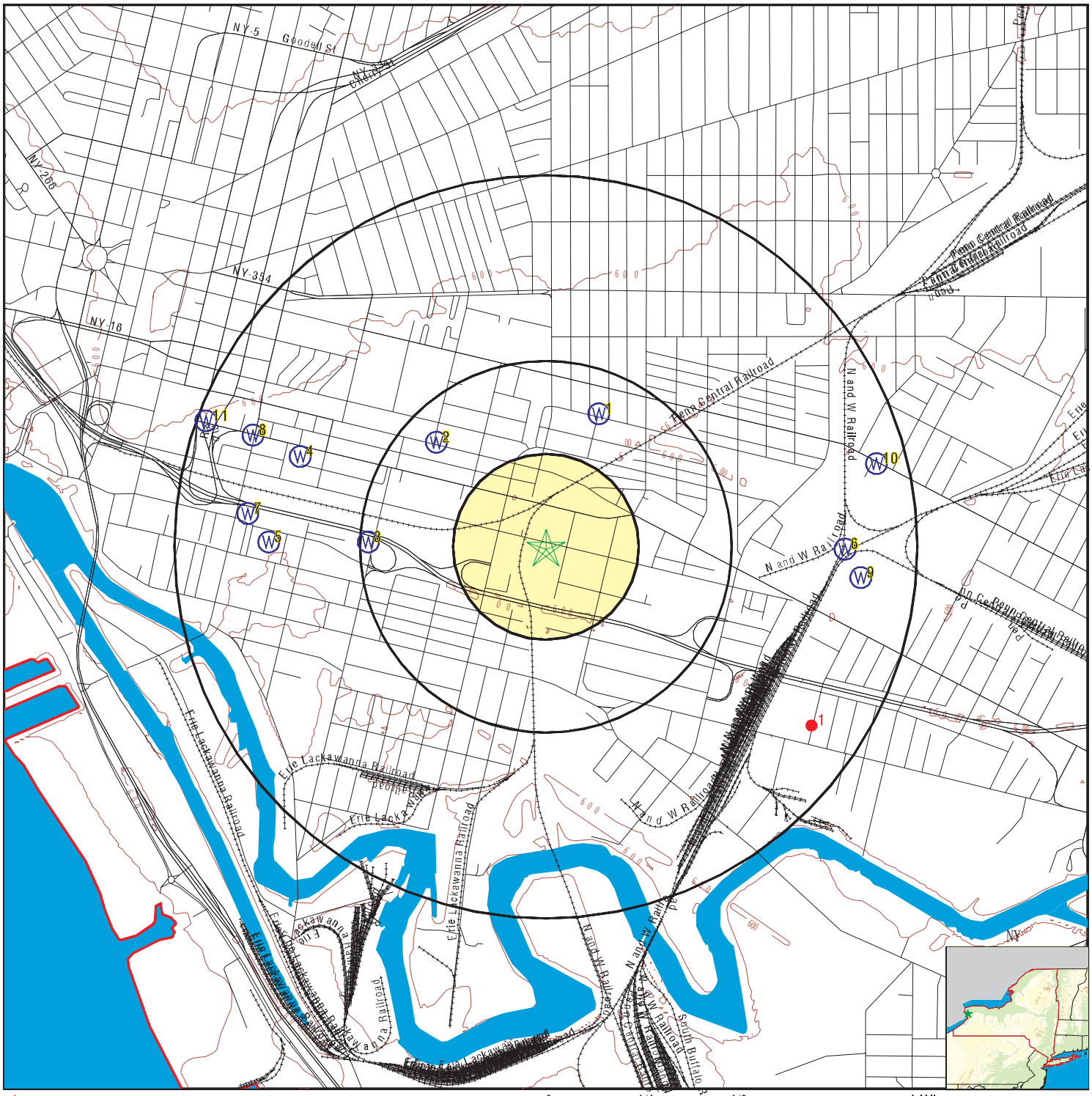
MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	NYOG80000033888	1/2 - 1 Mile SE

PHYSICAL SETTING SOURCE MAP - 5346299.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons
- Groundwater Flow Direction
- GI Indeterminate Groundwater Flow at Location
- GV Groundwater Flow Varies at Location
- HD Closest Hydrogeological Data
- Oil, gas or related wells

SITE NAME:	619 Exchange St	CLIENT:	TurnKey Environmental Restoration, LLC.
ADDRESS:	619 Exchange St Buffalo NY 14210	CONTACT:	Chad Schuster
LAT/LONG:	42.875149 / 78.854234	INQUIRY #:	5346299.2s
		DATE:	June 27, 2018 1:33 pm

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation | Database | EDR ID Number

1
NNE **FED USGS** **USGS40000864380**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-425249078510601		
Monloc name:	E 270		
Monloc type:	Well: Test hole not completed as a well		
Monloc desc:	Niagara Project: BNE-15		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.8803359
Longitude:	-78.8514235	Sourcemap scale:	24000
Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	590
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

2
NW **FED USGS** **USGS40000864357**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-425245078513701		
Monloc name:	E 267		
Monloc type:	Well: Test hole not completed as a well		
Monloc desc:	Niagara Project: BNE-16		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.8792247
Longitude:	-78.8600349	Sourcemap scale:	24000
Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	590
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

3
West **FED USGS** **USGS40000864244**
1/4 - 1/2 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-425231078515001		
Monloc name:	E 244		
Monloc type:	Well: Test hole not completed as a well		
Monloc desc:	Niagara Project: BNE-17		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.8753358
Longitude:	-78.863646	Sourcemap scale:	24000
Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	579
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

4
WNW **FED USGS** **USGS40000864346**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-425243078520301		
Monloc name:	E 265		
Monloc type:	Well		
Monloc desc:	Niagara Project: BNE-91		
Huc code:	04120103	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.8786691
Longitude:	-78.8672573	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	590.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	New York and New England carbonate-rock aquifers		
Formation type:	Onondaga Limestone		

Aquifer type:	Not Reported		
Construction date:	1947	Welldepth:	101
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1951	37	

Note: A nearby site that taps the same aquifer was being pumped.

5
West **FED USGS** **USGS40000864245**
1/2 - 1 Mile
Lower

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-425231078520901		
Monloc name:	E 245		
Monloc type:	Well		
Monloc desc:	Niagara Project: BNE-90		
Huc code:	04120103	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.8753358
Longitude:	-78.868924	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	580.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	New York and New England carbonate-rock aquifers		
Formation type:	Onondaga Limestone		
Aquifer type:	Not Reported		
Construction date:	1925	Welldepth:	127
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1951		

Note: The site was flowing, but the head could not be measured without additional equipment.

6
East **FED USGS** **USGS40000864238**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-425230078501901		
Monloc name:	E 243		
Monloc type:	Well: Test hole not completed as a well		
Monloc desc:	Niagara Project: BNE-14		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.8750582
Longitude:	-78.8383674	Sourcemap scale:	24000

Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	590
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

7
West
1/2 - 1 Mile
Lower

FED USGS **USGS40000864278**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-425235078521301		
Monloc name:	E 255		
Monloc type:	Well: Test hole not completed as a well		
Monloc desc:	Niagara Project: BNE-18		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.8764469
Longitude:	-78.8700352	Sourcemap scale:	24000
Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	579
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

8
WNW
1/2 - 1 Mile
Lower

FED USGS **USGS40000864366**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-425246078521201		
Monloc name:	E 268		
Monloc type:	Well: Test hole not completed as a well		
Monloc desc:	Niagara Project: BNE-19		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.8795024
Longitude:	-78.8697574	Sourcemap scale:	24000

Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	590
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

9
East **FED USGS** **USGS40000864215**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-425226078501601		
Monloc name:	E 241		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	04120103	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.8739471
Longitude:	-78.837534	Sourcemap scale:	24000
Horiz Acc measure:	5	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	590.00
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	New York and New England carbonate-rock aquifers		
Formation type:	Onondaga Limestone		
Aquifer type:	Not Reported		
Construction date:	1900	Welldepth:	180
Welldepth units:	ft	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1951	20.0	

10
ENE **FED USGS** **USGS40000864336**
1/2 - 1 Mile
Higher

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-425242078501301		
Monloc name:	E 264		
Monloc type:	Well: Test hole not completed as a well		
Monloc desc:	Niagara Project: BNE-13		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.8783915
Longitude:	-78.8367007	Sourcemap scale:	24000
Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	600
Vert measure units:	feet	Vertacc measure val:	10
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

11
WNW
1/2 - 1 Mile
Higher

FED USGS **USGS40000864374**

Org. Identifier:	USGS-NY		
Formal name:	USGS New York Water Science Center		
Monloc Identifier:	USGS-425248078522101		
Monloc name:	E 269		
Monloc type:	Well: Test hole not completed as a well		
Monloc desc:	Niagara Project: BNE-20		
Huc code:	Not Reported	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	42.880058
Longitude:	-78.8722575	Sourcemap scale:	24000
Horiz Acc measure:	10	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	598
Vert measure units:	feet	Vertacc measure val:	5
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported	Welldepth:	Not Reported
Welldepth units:	Not Reported	Wellholedepth:	Not Reported
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance

Database EDR ID Number

1
SE **OIL_GAS** **NYOG80000033888**
1/2 - 1 Mile

Api wellno:	31029673420000	Cnty:	29
Hole:	67342	Sidetrck:	0
Completion:	0	Well name:	Deepwell Area E
Company na:	Buffalo Color	Operator n:	9043
Well type:	NL	Map symbol:	OP
Well statu:	PA	Date statu:	1989-04-10 00:00:00
Date permi:	Not Reported	Permit iss:	Not Reported
Date spudd:	Not Reported	Date total:	Not Reported
Date well :	Not Reported	Date wel00:	1989-04-10 00:00:00
Date wel01:	Not Reported	Confid:	No
Town:	Buffalo	Quad:	Not Reported
Quadsec:	Not Reported	Producing :	Not Applicable
Producin00:	Not Applicable	Financial :	True
Slant:	Vertical	County:	Erie
Region:	9	State leas:	NA
Proposed d:	0	Surface lo:	SURF
Surface 00:	-78.84015		
Surface la:	42.86818		
Bottom hol:	BH		
Bottom h00:	-78.84015		
Bottom h01:	42.86818		
True verti:	751	Measured d:	751
Kickoff:	0	Drilleddep:	751
Elevation:	0	Original w:	NL
Permit fee:	0	Objective :	Not Applicable
Depth fee:	-100	Spacing:	Not Reported
Spacing ac:	Not Reported	Integratio:	Not Reported
Dt hearing:	Not Reported	Dt mod:	1994-03-28 00:00:00
Link:	http://www.dec.ny.gov/cfmx/extapps/GasOil/search/wells/index.cfm?api=31029673420000		
Site id:	NYOG80000033888		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: NY Radon

Radon Test Results

County	Town	Num Tests	Avg Result	Geo Mean	Max Result
ERIE	ALDEN	123	5.69	1.93	185.3
ERIE	AMHERST	864	2.57	1.15	115.6
ERIE	AURORA	436	10.94	4.46	215.6
ERIE	BOSTON	101	9.51	4.47	49.9
ERIE	BRANT	9	12.9	4.13	78.7
ERIE	BUFFALO	936	1.18	0.62	63.2
ERIE	CHEEKTOWAGA	444	1.03	0.71	30.8
ERIE	CLARENCE	244	6.79	2.37	207.8
ERIE	COLDEN	45	5.4	3.44	38
ERIE	COLLINS	48	11.83	4.76	115.1
ERIE	CONCORD	180	15.75	7.87	163
ERIE	EDEN	163	6.74	3.33	206.7
ERIE	ELMA	282	8.17	3.15	213.6
ERIE	EVANS	121	5.77	2.92	92.3
ERIE	GRAND ISLAND	85	1.41	1.03	7.5
ERIE	HAMBURG	753	4.9	2.2	136.8
ERIE	HOLLAND	55	8.09	3.57	122.9
ERIE	KENMORE	146	0.75	0.56	4.8
ERIE	LACKAWANNA	42	1.45	0.83	11.4
ERIE	LANCASTER	177	2.76	1.17	155.1
ERIE	MARILLA	239	28.88	9.31	371.9
ERIE	NEWSTEAD	88	3.44	2.35	18
ERIE	NO. COLLINS	28	7.97	3.88	75.6
ERIE	ORCHARD PARK	490	4.8	2.37	116.9
ERIE	SARDINIA	25	22.28	8.33	121.2
ERIE	TONAWANDA	392	1.04	0.72	18.9
ERIE	W. SENECA	266	2.51	1.35	55.8
ERIE	WALES	44	11.97	4.35	181.7

Federal EPA Radon Zone for ERIE County: 1

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for ERIE COUNTY, NY

Number of sites tested: 622

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	1.000 pCi/L	89%	11%	0%
Basement	1.150 pCi/L	87%	11%	2%

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)
Source: United States Geologic Survey
EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data was obtained from the Federal Emergency Management Agency (FEMA). It depicts 100-year and 500-year flood zones as defined by FEMA. It includes the National Flood Hazard Layer (NFHL) which incorporates Flood Insurance Rate Map (FIRM) data and Q3 data from FEMA in areas not covered by NFHL.
Source: FEMA
Telephone: 877-336-2627
Date of Government Version: 2003, 2015

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

State Wetlands Data: Freshwater Wetlands
Source: Department of Environmental Conservation
Telephone: 518-402-8961

HYDROGEOLOGIC INFORMATION

AQUIFLOW^{R} Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)
Telephone: 800-672-5559
SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data
Source: EPA/Office of Drinking Water
Telephone: 202-564-3750
Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)
This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

New York Public Water Wells
Source: New York Department of Health
Telephone: 518-458-6731

OTHER STATE DATABASE INFORMATION

Oil and Gas Well Database
Department of Environmental Conservation
Telephone: 518-402-8072
These files contain records, in the database, of wells that have been drilled.

RADON

State Database: NY Radon
Source: Department of Health
Telephone: 518-402-7556
Radon Test Results

Area Radon Information
Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones
Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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APPENDIX B

ENVIRONMENTAL/GOVERNMENT AGENCY INFORMATION

Bryan W. Mayback

From: New York DEC Support <newyorkdec@mycusthelp.net>
Sent: Monday, June 25, 2018 8:31 AM
To: Chad Schuster
Subject: FOIL Request :: W038340-062518

Dear Chad:

Thank you for your Freedom of Information Law (FOIL) request. Your request has been received and is being processed. Your request was received in this office on 6/25/2018 and given the reference number FOIL #W038340-062518 for tracking purposes. You may expect the Department's response to your request no later than **7/24/2018**.

Record Requested: **We are performing a Phase I Environmental Assessment and would like any and all files from all various departments for a site located at 619 Exchange Street, Buffalo, NY 14210. Historic addresses may include 601-665 Exchange Street, Buffalo, NY 14210.**

You can monitor the progress of your request at the link below and you'll receive an email when your request has been completed. Again, thank you for using the FOIL Center.

https://mycusthelp.com/NEWYORKDEC/_rs/RequestLogin.aspx

New York State Department of Environmental Conservation, Record Access Office

---

Track the issue status and respond at: https://mycusthelp.com/NEWYORKDEC//_rs/RequestEdit.aspx?rid=38340

DISCLAIMERS:

Confidentiality Notice: The information contained in this message is intended only for the use of the addressee, and may be confidential and/or privileged. If the reader of this message is not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify the sender immediately.
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APPENDIX C

HISTORIC SANBORN MAPS

619 Exchange St

619 Exchange St

Buffalo, NY 14210

Inquiry Number: 5346299.3

June 27, 2018

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

06/27/18

Site Name:

619 Exchange St
619 Exchange St
Buffalo, NY 14210
EDR Inquiry # 5346299.3

Client Name:

TurnKey Environmental Restoration, LLC.
2558 Hamburg Turnpike Suite 300
Buffalo, NY 14218
Contact: Chad Schuster

The Sanborn Library has been searched by EDR and maps covering the target property location as provided by TurnKey Environmental Restoration, LLC. were identified for the years listed below. The Sanborn Library is the largest, most complete collection of fire insurance maps. The collection includes maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow, and others. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by the Sanborn Library LLC, the copyright holder for the collection. Results can be authenticated by visiting www.edrnet.com/sanborn.

The Sanborn Library is continually enhanced with newly identified map archives. This report accesses all maps in the collection as of the day this report was generated.

Certified Sanborn Results:

Certification # B631-4F67-B462

PO # NA

Project 619 Exchange St

Maps Provided:

1986
1981
1950
1926
1899
1889

Sanborn® Library search results

Certification #: B631-4F67-B462

The Sanborn Library includes more than 1.2 million fire insurance maps from Sanborn, Bromley, Perris & Browne, Hopkins, Barlow and others which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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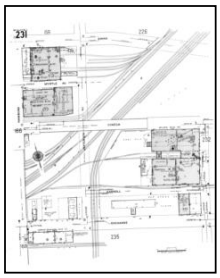
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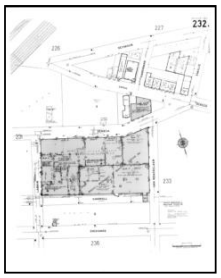
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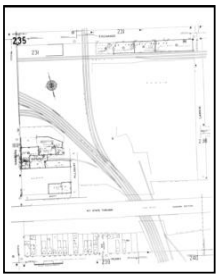
Sanborn Sheet Key

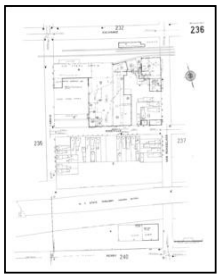
This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

1986 Source Sheets

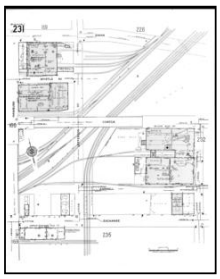

Volume 2, Sheet 231
1986


Volume 2, Sheet 232
1986

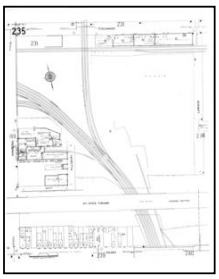

Volume 2, Sheet 235
1986

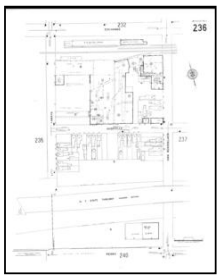

Volume 2, Sheet 236
1986

1981 Source Sheets

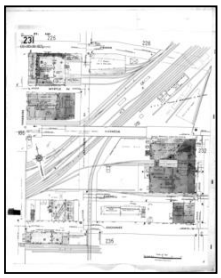

Volume 2, Sheet 231
1981

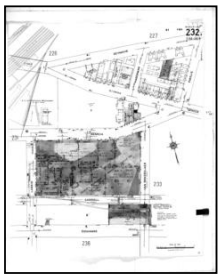

Volume 2, Sheet 232
1981

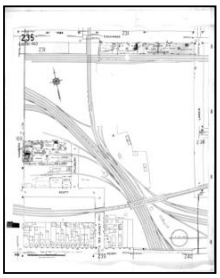

Volume 2, Sheet 235
1981

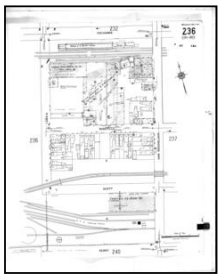

Volume 2, Sheet 236
1981

1950 Source Sheets

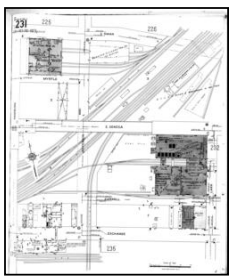

Volume 2, Sheet 231
1950


Volume 2, Sheet 232
1950


Volume 2, Sheet 235
1950

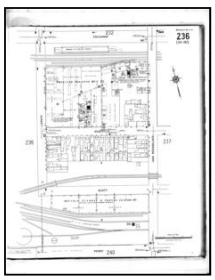

Volume 2, Sheet 236
1950

1926 Source Sheets


Volume 2, Sheet 231
1926


Volume 2, Sheet 232
1926

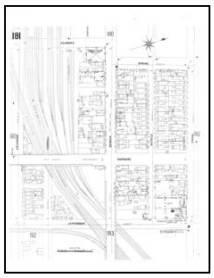

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1926


Volume 2, Sheet 236
1926

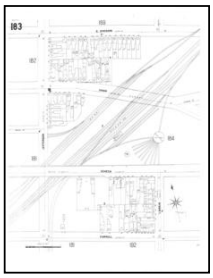
Sanborn Sheet Key

This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.

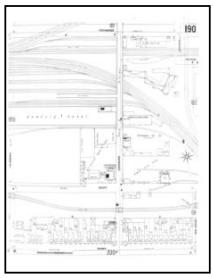
1899 Source Sheets



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1899



Volume 2, Sheet 183
1899



Volume 2, Sheet 190
1899



Volume 2, Sheet 192
1899

1889 Source Sheets



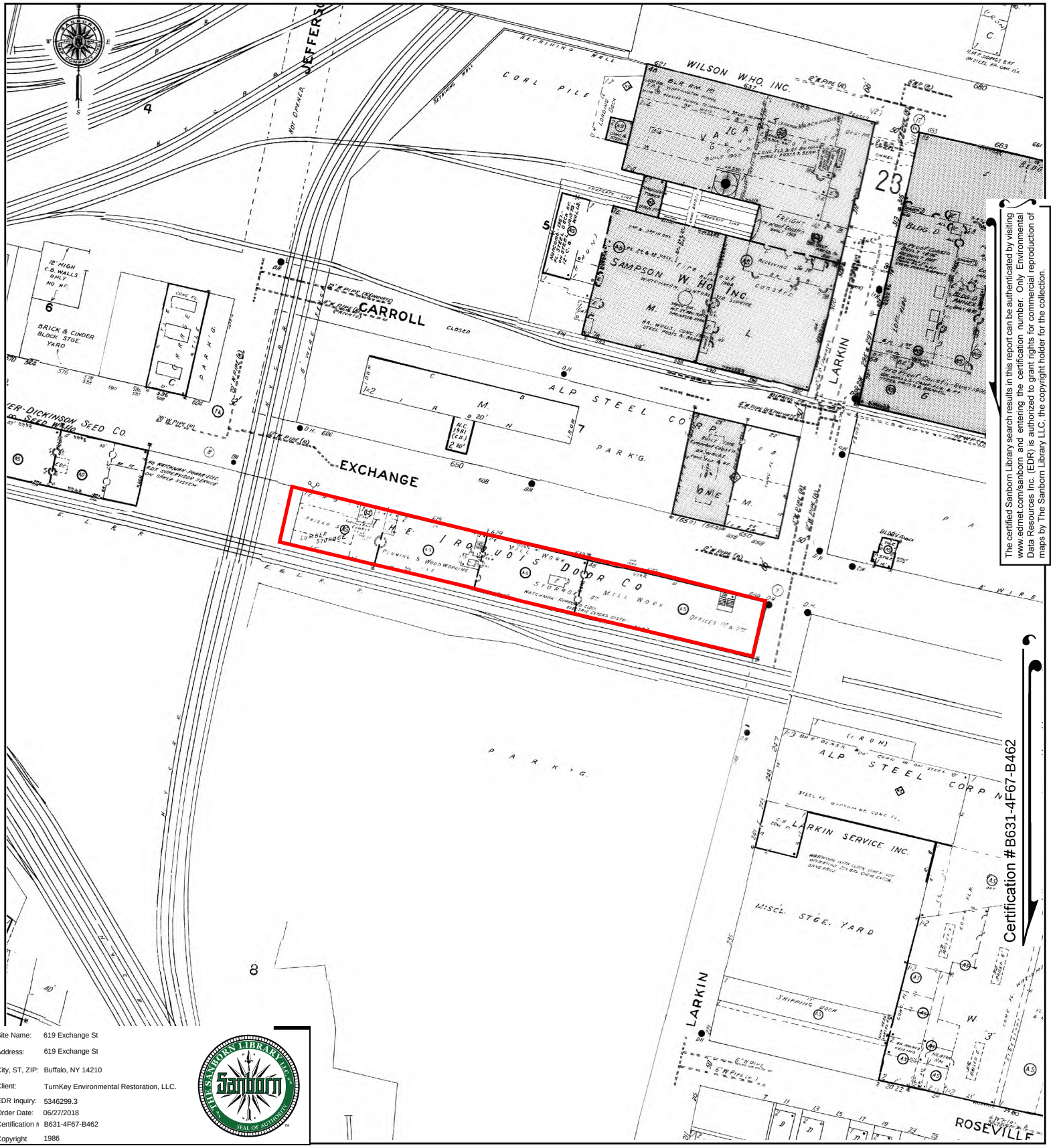
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1889



Volume 2, Sheet 71
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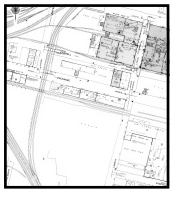


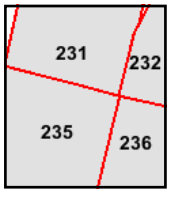
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Certification #B631-4F67-B462

Site Name:	619 Exchange St
Address:	619 Exchange St
City, ST, ZIP:	Buffalo, NY 14210
Client:	TurnKey Environmental Restoration, LLC.
EDR Inquiry:	5346299.3
Order Date:	06/27/2018
Certification #:	B631-4F67-B462
Copyright	1986

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

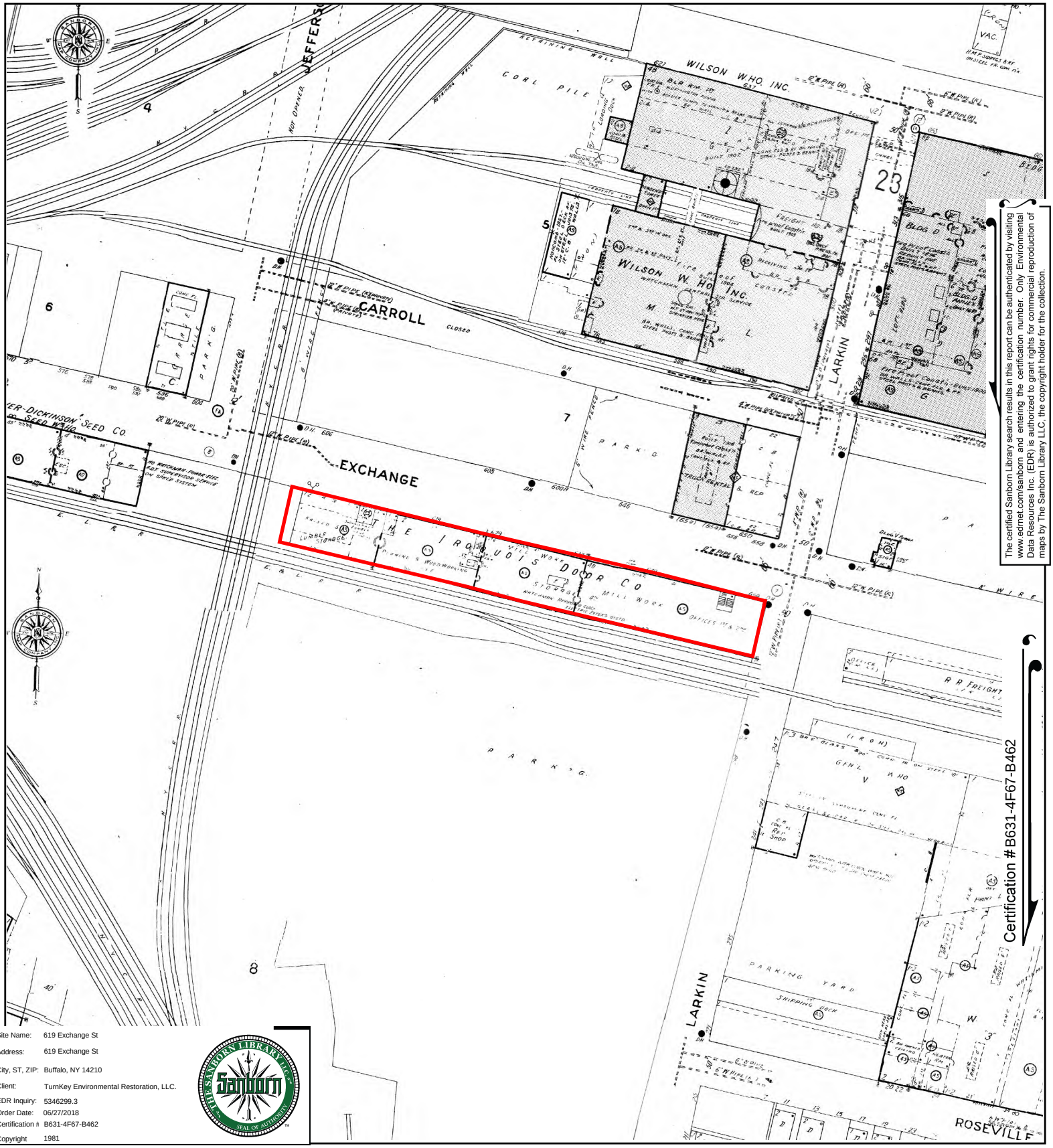




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0 Feet 150 300 600

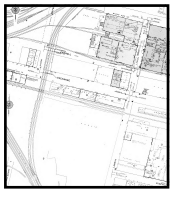
N

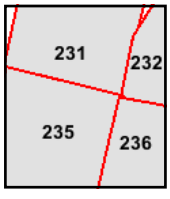


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Site Name:	619 Exchange St
Address:	619 Exchange St
City, ST, ZIP:	Buffalo, NY 14210
Client:	TurnKey Environmental Restoration, LLC.
EDR Inquiry:	5346299.3
Order Date:	06/27/2018
Certification #:	B631-4F67-B462
Copyright	1981

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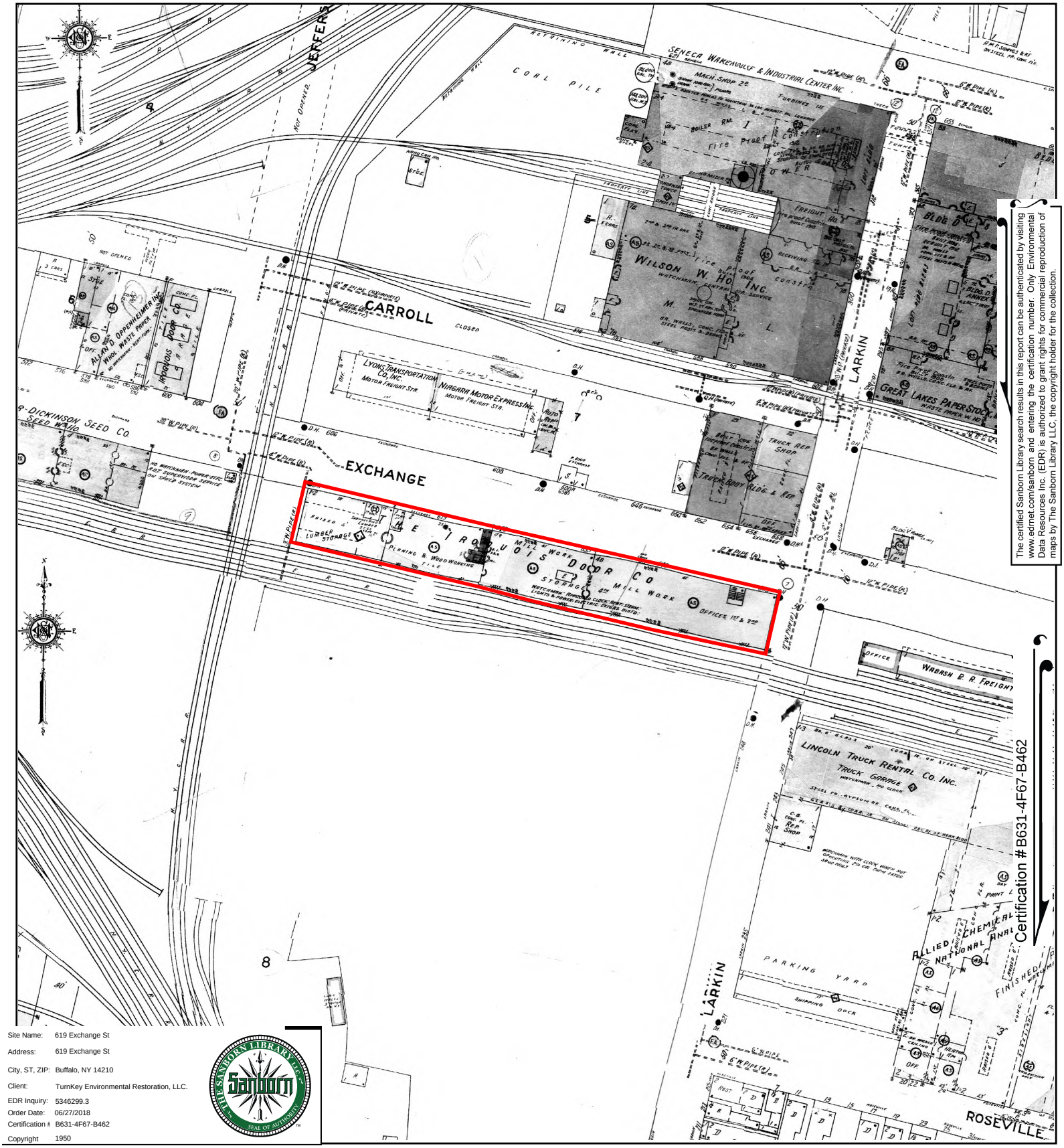




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Volume 2, Sheet 232
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0 Feet 150 300 600

N



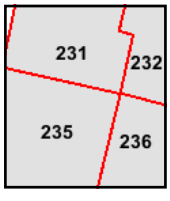
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Certification #B631-4F67-B462

Site Name:	619 Exchange St
Address:	619 Exchange St
City, ST, ZIP:	Buffalo, NY 14210
Client:	TurnKey Environmental Restoration, LLC.
EDR Inquiry:	5346299.3
Order Date:	06/27/2018
Certification #	B631-4F67-B462
Copyright	1950

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

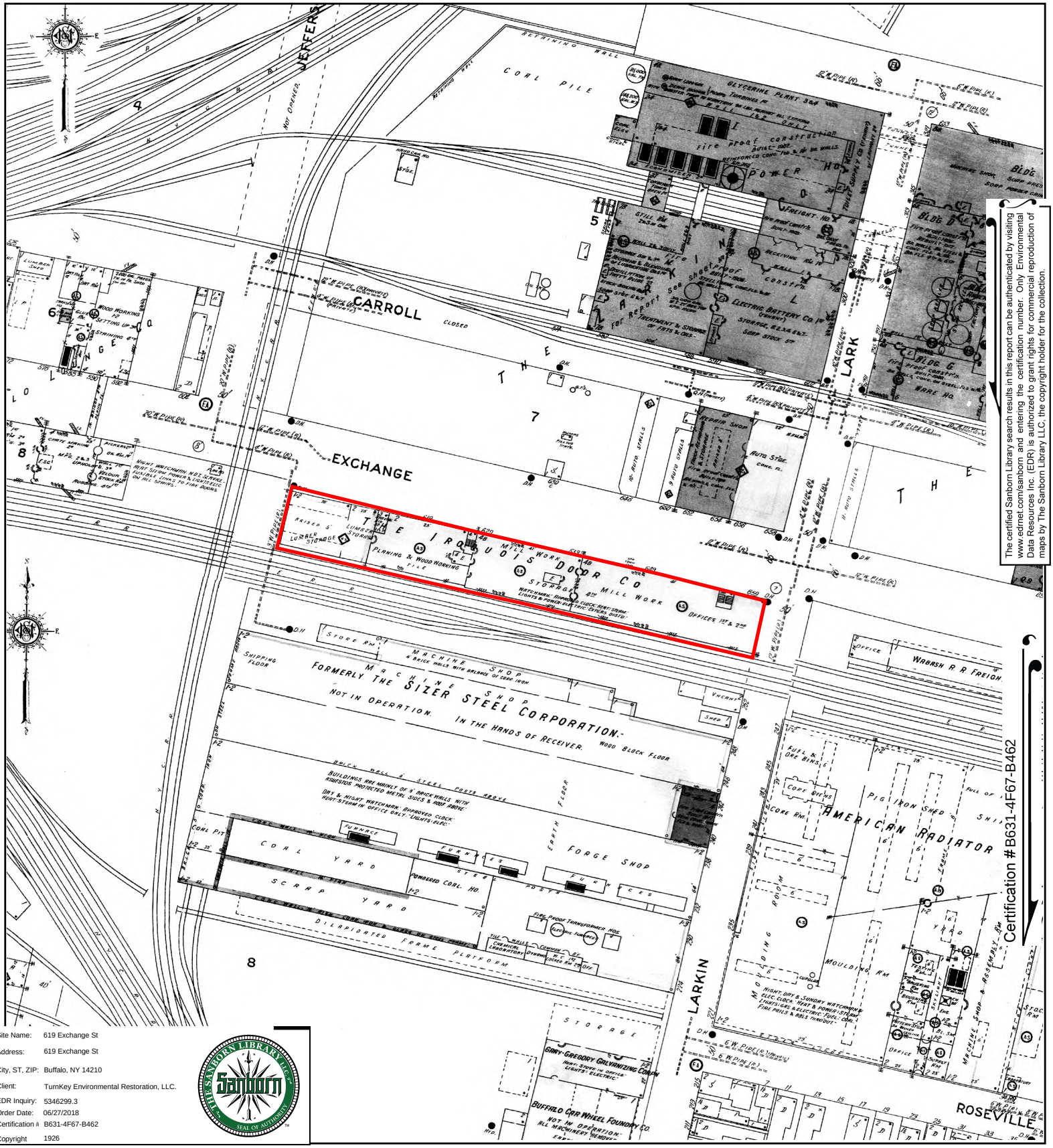




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0 Feet 150 300 600

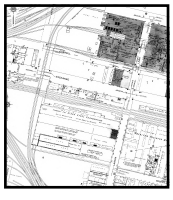
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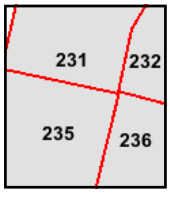


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Address:	619 Exchange St
City, ST, ZIP:	Buffalo, NY 14210
Client:	TurnKey Environmental Restoration, LLC.
EDR Inquiry:	5346299.3
Order Date:	06/27/2018
Certification #:	B631-4F67-B462
Copyright	1926

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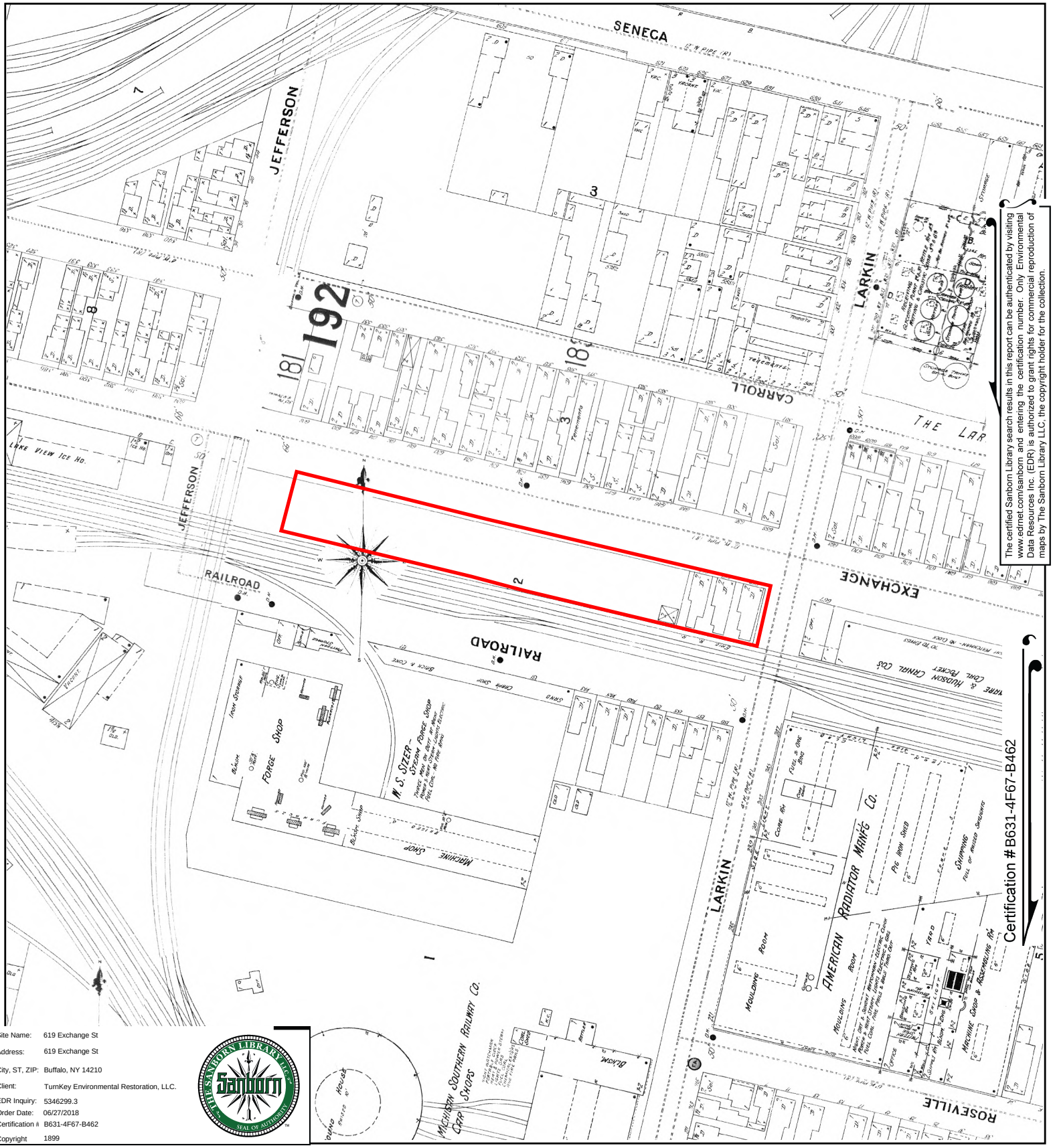




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0 Feet 150 300 600

N

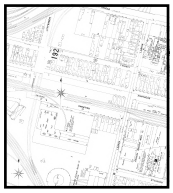


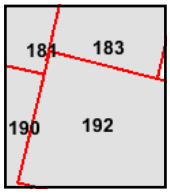
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Certification #B631-4F67-B462

Site Name:	619 Exchange St
Address:	619 Exchange St
City, ST, ZIP:	Buffalo, NY 14210
Client:	TurnKey Environmental Restoration, LLC.
EDR Inquiry:	5346299.3
Order Date:	06/27/2018
Certification #:	B631-4F67-B462
Copyright	1899

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.

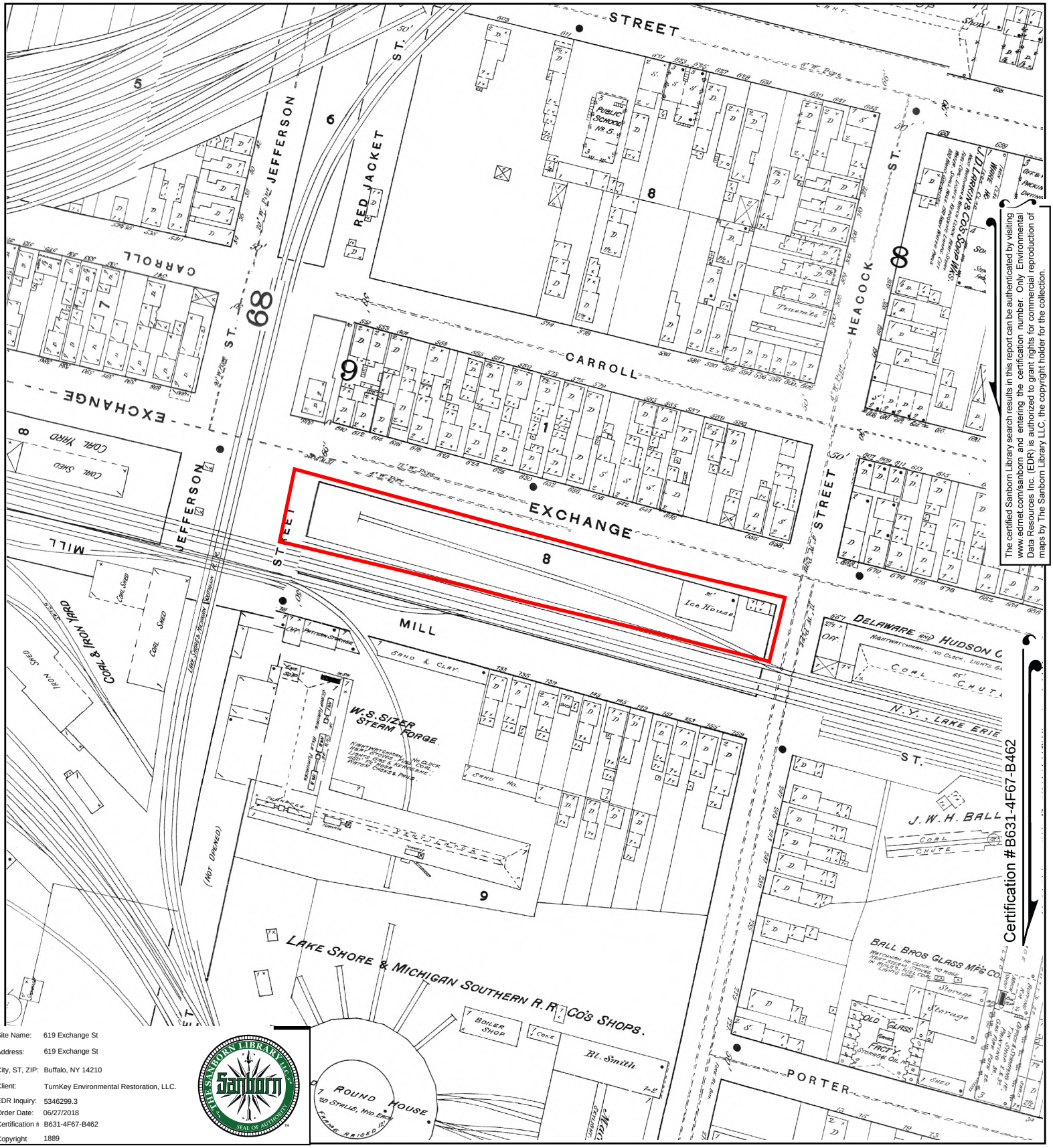




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Volume 2, Sheet 181

0 Feet 150 300 600

N

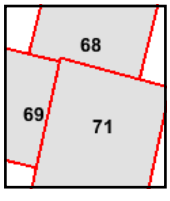


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Site Name:	619 Exchange St
Address:	619 Exchange St
City, ST, ZIP:	Buffalo, NY 14210
Client:	TurnKey Environmental Restoration, LLC.
EDR Inquiry:	5346299.3
Order Date:	06/27/2018
Certification #:	B631-4F67-B462
Copyright	1889

This Certified Sanborn Map combines the following sheets.
Outlined areas indicate map sheets within the collection.





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0 Feet 150 300 600

N

APPENDIX D

HISTORIC CITY DIRECTORIES

619 Exchange St
619 Exchange St
Buffalo, NY 14210

Inquiry Number: 5346299.5
July 03, 2018

The EDR-City Directory Abstract

Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1925 through 2014. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RECORD SOURCES

EDR's Digital Archive combines historical directory listings from sources such as Cole Information and Dun & Bradstreet. These standard sources of property information complement and enhance each other to provide a more comprehensive report.

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Data by infoUSA®

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

Year	Source	TP	Adjoining	Text Abstract	Source Image
2014	EDR Digital Archive	-	X	X	-
	EDR Digital Archive	X	X	X	-
2010	EDR Digital Archive	-	X	X	-
	EDR Digital Archive	X	X	X	-
2008	Polk City Directories	-	X	X	X
	Polk City Directories	X	X	X	X
2001	EQUIFAX Polk City Directory	-	X	X	X
	EQUIFAX Polk City Directory	X	X	X	X
1998	The Polk Company,City Directory Division	-	X	X	X
	The Polk Company,City Directory Division	X	X	X	X

EXECUTIVE SUMMARY

Year	Source	TP	Adjoining	Text Abstract	Source Image
1996	R.L. Polk Company	-	-	-	-
1992	R. L. Polk Co., Publishers	-	X	X	X
	R. L. Polk Co., Publishers	X	X	X	X
1985	R. L. Polk Co., Publishers	-	X	X	X
	R. L. Polk Co., Publishers	X	X	X	X
1980	R. L. Polk Co., Publishers	-	X	X	X
	R. L. Polk Co., Publishers	X	X	X	X
1975	R. L. Polk Co.	-	X	X	X
1970	R.L. Polk Company, Inc., Publishers	-	X	X	X
	R.L. Polk Company, Inc., Publishers	X	X	X	X
1964	R. L. Polk Co., Inc., Publishers	-	X	X	X
	R. L. Polk Co., Inc., Publishers	X	X	X	X
1960	Polk-Clement Directory Co. Inc.,	-	X	X	X
	Polk-Clement Directory Co. Inc.,	X	X	X	X
1955	Polk-Clement Directory Co. Inc.,	-	X	X	X
	Polk-Clement Directory Co. Inc.,	X	X	X	X
1950	Polk-Clement Directory Co. Inc.,	-	X	X	X
	Polk-Clement Directory Co. Inc.,	X	X	X	X
1946	Polk-Clement Directory Co. Inc.,	-	X	X	X
	Polk-Clement Directory Co. Inc.,	X	X	X	X
1940	Polk-Clement Directory Co. Inc.,	-	X	X	X
	Polk-Clement Directory Co. Inc.,	X	X	X	X
1935	Polk-Clement Directory Co. Inc.	-	X	X	X
	Polk-Clement Directory Co. Inc.	X	X	X	X
1930	Polk-Clement Directory Co. Inc.,	-	X	X	X
	Polk-Clement Directory Co. Inc.,	X	X	X	X
1925	Polk-Clement Directory Co., Publishers	-	X	X	X

EXECUTIVE SUMMARY

SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

Address	*Type*	*Findings*
629 Exchange St	Client Entered	X
639 Exchange St	Client Entered	X
649 Exchange St	Client Entered	
659 Exchange St	Client Entered	X
665 Exchange St	Client Entered	
655 Exchange St	Client Entered	
657 Exchange St	Client Entered	
641 Exchange St	Client Entered	
643 Exchange St	Client Entered	
661 Exchange St	Client Entered	

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

619 Exchange St
Buffalo, NY 14210

FINDINGS DETAIL

Target Property research detail.

Exchange St

629 Exchange St

Year	Uses	Source	
2014	KENS SPORTS WAREHOUSE INC	EDR Digital Archive	
2010	COPELAND FAMILY SERVICES INC	EDR Digital Archive	
	KENS SPORTS WAREHOUSE INC	EDR Digital Archive	
2008	KENS SPORTS WEARHOUSE INC	Polk City Directories	Image pg. A1
	Rybarczyk Kenneth EI	Polk City Directories	Image pg. A1
	sportswear retail	Polk City Directories	Image pg. A1

639 Exchange St

Year	Uses	Source	
2014	OTIS BED MANUFACTURING CO INC	EDR Digital Archive	
2010	OTIS BED MANUFACTURING CO INC	EDR Digital Archive	
2008	K W TEXTILE INC textiles whol	Polk City Directories	Image pg. A1
2001	K W TEXTILE menboys clothg	EQUIFAX Polk City Directory	Image pg. A4
	OTIS BED MFG COMPANY	EQUIFAX Polk City Directory	Image pg. A4
1998	COMPANY INC mattresses bdsprng	The Polk Company,City Directory Division	Image pg. A7
	OTIS BEDDING MANUFACTURING	The Polk Company,City Directory Division	Image pg. A7
1992	Otis Bedding Mfg Co Inc	R. L. Polk Co., Publishers	Image pg. A10

641 Exchange St

Year	Uses	Source

643 Exchange St

Year	Uses	Source

FINDINGS

649 Exchange St

Year	Uses	Source

655 Exchange St

Year	Uses	Source

657 Exchange St

Year	Uses	Source

659 Exchange St

Year	Uses	Source	
2014	KW TEXTILE INC	EDR Digital Archive	
2010	KW TEXTILE INC	EDR Digital Archive	
1992	Vacant	R. L. Polk Co., Publishers	Image pg. A10
1985	Iroquois Industries Inc sash & doors	R. L. Polk Co., Publishers	Image pg. A13
1980	Iroquois Door Co sash & doors whol	R. L. Polk Co., Publishers	Image pg. A17
1970	IROQUOIS DOOR CO SACH & DOORS WHOL	R.L. Polk Company, Inc., Publishers	Image pg. A24
1964	Iroquois Door Co	R. L. Polk Co., Inc., Publishers	Image pg. A27
1960	Iroquois Door Co	Polk-Clement Directory Co. Inc.,	Image pg. A30
1955	Iroquois Door Co sash and doors	Polk-Clement Directory Co. Inc.,	Image pg. A33
1950	Intl Forwarding Co	Polk-Clement Directory Co. Inc.,	Image pg. A37
	Iroquois Door Co cash and doors	Polk-Clement Directory Co. Inc.,	Image pg. A37
1946	International Forwarding Co	Polk-Clement Directory Co. Inc.,	Image pg. A41
	Iroquois Door Co sash and doors	Polk-Clement Directory Co. Inc.,	Image pg. A41
1940	Iroquois Door Co sash and doors	Polk-Clement Directory Co. Inc.,	Image pg. A45
1935	Iroquois Dooor Co sash and doors	Polk-Clement Directory Co. Inc.	Image pg. A49
1930	cor Wabash Rvy Co frt office	Polk-Clement Directory Co. Inc.,	Image pg. A53
	Iroquois Door Co	Polk-Clement Directory Co. Inc.,	Image pg. A53

661 Exchange St

Year	Uses	Source

665 Exchange St

Year	Uses	Source

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

EXCHANGE ST

565 EXCHANGE ST

Year	Uses	Source	
1964	Craver Dickinson Seed Co	R. L. Polk Co., Inc., Publishers	Image pg. A27
1960	Craver Dickinson Seed Co	Polk-Clement Directory Co. Inc.,	Image pg. A30
1955	Craver Dickinsonc Seed Co whol	Polk-Clement Directory Co. Inc.,	Image pg. A33
1950	Craver Dickinson Seed Co whol seeds	Polk-Clement Directory Co. Inc.,	Image pg. A37
1946	Craver Dickinson	Polk-Clement Directory Co. Inc.,	Image pg. A41
1940	Craver Dickinson Seed Co	Polk-Clement Directory Co. Inc.,	Image pg. A45
1935	Craver Dickinson Seed Co	Polk-Clement Directory Co. Inc.	Image pg. A49

Exchange St

567 Exchange St

Year	Uses	Source
2014	COMMUNITY CONNECTIONS NEWYORK	EDR Digital Archive
	BUFFALO OFFICE SUPPLY CORP	EDR Digital Archive
	CYPRESS NORTH CORP	EDR Digital Archive
	BEDS & STUFF INC	EDR Digital Archive
	KAZMIERCZAK DAVID ARCHITECT	EDR Digital Archive
	ALEXANDRIA BAY TRADING CO INC	EDR Digital Archive
	HUNT AND ASSOC LLC 00	EDR Digital Archive
	CALL ASSOCIATES INC	EDR Digital Archive
	COMMUNITY CONNECTIONS NEWYORK	EDR Digital Archive
	BUFFALO OFFICE SUPPLY CORP	EDR Digital Archive
	CYPRESS NORTH CORP	EDR Digital Archive
	ALEXANDRIA BAY TRADING CO INC	EDR Digital Archive
	HUNT AND ASSOC LLC 00	EDR Digital Archive
	BEDS & STUFF INC	EDR Digital Archive
	KAZMIERCZAK DAVID ARCHITECT	EDR Digital Archive
	CALL ASSOCIATES INC	EDR Digital Archive
2010	KAZMIERCZAK DAVID ARCHITECT	EDR Digital Archive
	KUTRYBALA MICHAEL	EDR Digital Archive

FINDINGS

Year	Uses	Source
2010	HUNT AND ASSOC LLC 00	EDR Digital Archive
	ALEXANDRIA BAY TRADING CO INC	EDR Digital Archive
	BEDS & STUFF INC	EDR Digital Archive
	ALEXANDRIA BAY TRADING CO INC	EDR Digital Archive
	KUTRYBALA MICHAEL	EDR Digital Archive
	HUNT AND ASSOC LLC 00	EDR Digital Archive
	BEDS & STUFF INC	EDR Digital Archive
	KAZMIERCZAK DAVID ARCHITECT	EDR Digital Archive

EXCHANGE ST

567 EXCHANGE ST

Year	Uses	Source	
2008	Labidi Kal HI	Polk City Directories	Image pg. A1
	WILD BOKAYS ftorists whol	Polk City Directories	Image pg. A1
2001	PO CHEDLEY R C apts	EQUIFAX Polk City Directory	Image pg. A4
	WATERBED LIQUIDATORS waterbedsaccessories	EQUIFAX Polk City Directory	Image pg. A4
	BEDS & STUFF turn stores	EQUIFAX Polk City Directory	Image pg. A4
	ALEXANDRIA BAY TRADING COMPANY gift shop	EQUIFAX Polk City Directory	Image pg. A4
	Kutrybala Michael F	EQUIFAX Polk City Directory	Image pg. A4
1998	stores	The Polk Company,City Directory Division	Image pg. A7
	WATERBED LIQUIDATORS furniture	The Polk Company,City Directory Division	Image pg. A7
1992	Vacant	R. L. Polk Co., Publishers	Image pg. A10
	Vacant	R. L. Polk Co., Publishers	Image pg. A10
1980	Vacant	R. L. Polk Co., Publishers	Image pg. A17
1975	Whitney Dickinson Seeds Inc	R. L. Polk Co.	Image pg. A21
1970	GRACE W R & CO CRAVER DICKINSON SEED DIV	R.L. Polk Company, Inc., Publishers	Image pg. A24
1964	Craver Dickinson Seed Co	R. L. Polk Co., Inc., Publishers	Image pg. A27
1960	Craver Dickinson Seed Co	Polk-Clement Directory Co. Inc.,	Image pg. A30
1955	Craver Dickinsonc Seed Co whol	Polk-Clement Directory Co. Inc.,	Image pg. A33
1950	Craver Dickinson Seed Co whol seeds	Polk-Clement Directory Co. Inc.,	Image pg. A37
1946	Craver Dickinson	Polk-Clement Directory Co. Inc.,	Image pg. A41
	Seed Co Whol	Polk-Clement Directory Co. Inc.,	Image pg. A41
1940	Craver Dickinson Seed Co	Polk-Clement Directory Co. Inc.,	Image pg. A45
1930	567 87 Buffalo Lounge Co	Polk-Clement Directory Co. Inc.,	Image pg. A53

FINDINGS

568 EXCHANGE ST

Year	*Uses*	*Source*	
2008	No Current Listing	Polk City Directories	Image pg. A1
2001	BOWDEN MARY	EQUIFAX Polk City Directory	Image pg. A4
	Potycz Linda	EQUIFAX Polk City Directory	Image pg. A4
	Potycz Steve	EQUIFAX Polk City Directory	Image pg. A4
1998	Potycz Unda m d	The Polk Company,City Directory Division	Image pg. A7
1992	Vacant	R. L. Polk Co., Publishers	Image pg. A10
	Vacant	R. L. Polk Co., Publishers	Image pg. A10
1985	Dewer Joseph N	R. L. Polk Co., Publishers	Image pg. A13
	Maxin Douglas	R. L. Polk Co., Publishers	Image pg. A13
1980	Garrison Zelda	R. L. Polk Co., Publishers	Image pg. A17
	Maxin Douglas	R. L. Polk Co., Publishers	Image pg. A17
1975	Heppner Rosemarie Mrs	R. L. Polk Co.	Image pg. A21
	Pickering Patricia	R. L. Polk Co.	Image pg. A21
	Maxim Douglas	R. L. Polk Co.	Image pg. A21
1970	VANTRESCO LOUISE	R.L. Polk Company, Inc., Publishers	Image pg. A24
	GUZDEK JOSEPH J JR	R.L. Polk Company, Inc., Publishers	Image pg. A24
	AMPLEMENT EUG F	R.L. Polk Company, Inc., Publishers	Image pg. A24
1964	Amplement Eug F	R. L. Polk Co., Inc., Publishers	Image pg. A27
1960	Dingeldey Geo W	Polk-Clement Directory Co. Inc.,	Image pg. A30
	Milligan Michl F	Polk-Clement Directory Co. Inc.,	Image pg. A30
	Spytman G Adalbert	Polk-Clement Directory Co. Inc.,	Image pg. A30
1955	Guzdek Jos	Polk-Clement Directory Co. Inc.,	Image pg. A33
	Paszkiewicz Stanley M	Polk-Clement Directory Co. Inc.,	Image pg. A33
1950	Guzdek Bebbeanna Mrs	Polk-Clement Directory Co. Inc.,	Image pg. A37
1946	Guzdek Bebbeanna Mrs	Polk-Clement Directory Co. Inc.,	Image pg. A41
1940	Guzdek Bebbeanna Mrs	Polk-Clement Directory Co. Inc.,	Image pg. A45
	Wagner Walter H	Polk-Clement Directory Co. Inc.,	Image pg. A45
1935	Guzdek Bibranna Mrs	Polk-Clement Directory Co. Inc.	Image pg. A49
	Wagner Walter H	Polk-Clement Directory Co. Inc.	Image pg. A49
1930	Vacant	Polk-Clement Directory Co. Inc.,	Image pg. A53
1925	Guzdek Geo wheelsmn h	Polk-Clement Directory Co., Publishers	Image pg. A56
	Guzdek Julia waitress r	Polk-Clement Directory Co., Publishers	Image pg. A56
	Guzdek Mary hlpr r	Polk-Clement Directory Co., Publishers	Image pg. A56
	Susan fey wkr r	Polk-Clement Directory Co., Publishers	Image pg. A56
	Guzdek Mary hlpr r	Polk-Clement Directory Co., Publishers	Image pg. A56
	Potwora Andrew lab r	Polk-Clement Directory Co., Publishers	Image pg. A57
	Potwora John r	Polk-Clement Directory Co., Publishers	Image pg. A57

FINDINGS

Year	Uses	Source	
1925	Potwora Jos lab r	Polk-Clement Directory Co., Publishers	Image pg. A57
	Potwora Mark lab h	Polk-Clement Directory Co., Publishers	Image pg. A57

578 EXCHANGE ST

Year	Uses	Source	
1980	Industrial Chemicals By Products	R. L. Polk Co., Publishers	Image pg. A17
1975	material	R. L. Polk Co.	Image pg. A21
	American Metal & Waste waste	R. L. Polk Co.	Image pg. A21
1970	WISEMAN MORRIS JUNK	R.L. Polk Company, Inc., Publishers	Image pg. A24
1964	Wiseman Morris junk	R. L. Polk Co., Inc., Publishers	Image pg. A27
1960	Oppenheimer Corp industrial chem	Polk-Clement Directory Co. Inc.,	Image pg. A30
1955	Oppenheimer Corp waste dlr	Polk-Clement Directory Co. Inc.,	Image pg. A33
1946	Oppenheimer Alan	Polk-Clement Directory Co. Inc.,	Image pg. A41
1940	Oppenheimer Alan D Inc waste	Polk-Clement Directory Co. Inc.,	Image pg. A45

586 EXCHANGE ST

Year	Uses	Source	
1970	VACANT	R.L. Polk Company, Inc., Publishers	Image pg. A24
1964	Wiseman Morris junk	R. L. Polk Co., Inc., Publishers	Image pg. A27
	Schreiber Trucking Co Inc	R. L. Polk Co., Inc., Publishers	Image pg. A27
1960	Schreiber Trucking Co Inc	Polk-Clement Directory Co. Inc.,	Image pg. A30
1955	Vacant	Polk-Clement Directory Co. Inc.,	Image pg. A33
1950	Tarbet Trucking Inc waste	Polk-Clement Directory Co. Inc.,	Image pg. A37
1946	D Inc waste	Polk-Clement Directory Co. Inc.,	Image pg. A41
	Oppenheimer Alan	Polk-Clement Directory Co. Inc.,	Image pg. A41
1940	Oppenheimer Alan D Inc waste	Polk-Clement Directory Co. Inc.,	Image pg. A45

587 EXCHANGE ST

Year	Uses	Source	
1935	Craver Dickinson Seed Co	Polk-Clement Directory Co. Inc.	Image pg. A49
1930	567 87 Buffalo Lounge Co	Polk-Clement Directory Co. Inc.,	Image pg. A53
1925	Berny Thos ironwkr Fillmore Av Fndry & Iron Wks r	Polk-Clement Directory Co., Publishers	Image pg. A58

590 EXCHANGE ST

Year	Uses	Source	
1964	Schreiber Trucking Co Inc	R. L. Polk Co., Inc., Publishers	Image pg. A27

FINDINGS

596 EXCHANGE ST

Year	Uses	Source	
1992	H I Furnishing furn mfg	R. L. Polk Co., Publishers	Image pg. A10
	Iroquois Door Co Garage	R. L. Polk Co., Publishers	Image pg. A10
1985	Iroquois Door Co Garage	R. L. Polk Co., Publishers	Image pg. A13
1975	Iroquois Door Co Garage	R. L. Polk Co.	Image pg. A21
1970	IROQUOIS DOOR CO WHSE	R.L. Polk Company, Inc., Publishers	Image pg. A24

600 EXCHANGE ST

Year	Uses	Source	
1975	Vacant	R. L. Polk Co.	Image pg. A21
1970	VACANT	R.L. Polk Company, Inc., Publishers	Image pg. A24
1964	Super Truck Service	R. L. Polk Co., Inc., Publishers	Image pg. A27
	Dorns Transportation Inc	R. L. Polk Co., Inc., Publishers	Image pg. A27
1960	Dorns Transportation Inc	Polk-Clement Directory Co. Inc.,	Image pg. A30
	Interstate Truck Service	Polk-Clement Directory Co. Inc.,	Image pg. A30
	Vogel John Inc	Polk-Clement Directory Co. Inc.,	Image pg. A30
	Schreiber Trucking Co Inc	Polk-Clement Directory Co. Inc.,	Image pg. A30
1955	Wallace Transport Ltd	Polk-Clement Directory Co. Inc.,	Image pg. A33
1950	Lyons Transp Co Inc	Polk-Clement Directory Co. Inc.,	Image pg. A37
	Niagara Motor Exp Inc	Polk-Clement Directory Co. Inc.,	Image pg. A37
	Anchor Motor Frt Inc of Delaware	Polk-Clement Directory Co. Inc.,	Image pg. A37
1946	Lyens Transportation Co Inc	Polk-Clement Directory Co. Inc.,	Image pg. A41
	Niagara Motor Express Inc	Polk-Clement Directory Co. Inc.,	Image pg. A41
1940	Great Lakes Transit Co Inc yards	Polk-Clement Directory Co. Inc.,	Image pg. A45
1935	Larkin Co Inc filling sta	Polk-Clement Directory Co. Inc.	Image pg. A49
1930	Larkin Co filling sta	Polk-Clement Directory Co. Inc.,	Image pg. A53

601 EXCHANGE ST

Year	Uses	Source	
2008	HIGGINS government offices us	Polk City Directories	Image pg. A1
	CONGRESSMAN BRIAN	Polk City Directories	Image pg. A1

604 EXCHANGE ST

Year	Uses	Source	
1935	Vacant	Polk-Clement Directory Co. Inc.	Image pg. A49
1925	DUBEL Stanley hlpr r	Polk-Clement Directory Co., Publishers	Image pg. A59
	Dubel Andrew ir lab h	Polk-Clement Directory Co., Publishers	Image pg. A59
	Dubel Andrew soft drinks	Polk-Clement Directory Co., Publishers	Image pg. A59

FINDINGS

605 EXCHANGE ST

Year	Uses	Source	
2008	WPXJ tv stations & broadcasting	Polk City Directories	Image pg. A1
	ION MEDIA nonclassifled	Polk City Directories	Image pg. A1
	establishments	Polk City Directories	Image pg. A1

606 EXCHANGE ST

Year	Uses	Source	
2008	engineers	Polk City Directories	Image pg. A1
	JONES ENGINEERING	Polk City Directories	Image pg. A1

612 EXCHANGE ST

Year	Uses	Source	
2008	YOUNG ARCHITECTURAL	Polk City Directories	Image pg. A1
	architects	Polk City Directories	Image pg. A1

620 EXCHANGE ST

Year	Uses	Source	
2008	consultants	Polk City Directories	Image pg. A1
	TECHNOLOGY business mgmt	Polk City Directories	Image pg. A1
	WESTERN NEW YORK	Polk City Directories	Image pg. A1
	offices state	Polk City Directories	Image pg. A1
	DEVELOPMENT CTR government	Polk City Directories	Image pg. A1
	TECHNOLOGY	Polk City Directories	Image pg. A1

624 EXCHANGE ST

Year	Uses	Source	
2008	ENVIRONMENTAL CORP	Polk City Directories	Image pg. A1
	BENCHMARK	Polk City Directories	Image pg. A1
	envrmntl & ecolgcl serv	Polk City Directories	Image pg. A1

630 EXCHANGE ST

Year	Uses	Source	
2008	opportunit	Polk City Directories	Image pg. A1
	WORK FRC employment agencies/	Polk City Directories	Image pg. A1
	BUFFALO & ERIE COUNTY	Polk City Directories	Image pg. A1

632 EXCHANGE ST

Year	Uses	Source	
2008	BUFFALO & ERIE COUNTY	Polk City Directories	Image pg. A1
	WRKFRC county government genl	Polk City Directories	Image pg. A1

Year	Uses	Source	
2008	offices	Polk City Directories	Image pg. A1

Exchange St

650 Exchange St

Year	Uses	Source
2014	ALP STEEL CORP	EDR Digital Archive
	ALP STEEL CORP	EDR Digital Archive
2010	ALP STEEL CORP	EDR Digital Archive
	ALP STEEL CORP	EDR Digital Archive

EXCHANGE ST

650 EXCHANGE ST

Year	Uses	Source	
2008	ALP STEEL CORP steel structural	Polk City Directories	Image pg. A1
2001	A L P STEEL fab structural mtl	EQUIFAX Polk City Directory	Image pg. A4
1998	ALP STEEL CORP fbrcted strctrl mtl	The Polk Company,City Directory Division	Image pg. A7
1992	Alp Steel Corp	R. L. Polk Co., Publishers	Image pg. A10
1985	Alp Steel Corp	R. L. Polk Co., Publishers	Image pg. A13
1980	Alp Steel Corp	R. L. Polk Co., Publishers	Image pg. A17
1975	Vacant	R. L. Polk Co.	Image pg. A21
1970	LEASEWAY OF WESTERN NEW YORK INC TRUCK LEASING	R.L. Polk Company, Inc., Publishers	Image pg. A24
1964	Iroquois Door Co whse	R. L. Polk Co., Inc., Publishers	Image pg. A27
1960	Trailmobile Inc br	Polk-Clement Directory Co. Inc.,	Image pg. A30
1955	Trailmobile Co br	Polk-Clement Directory Co. Inc.,	Image pg. A33
1950	Iroquois Door Co garage	Polk-Clement Directory Co. Inc.,	Image pg. A37
	Trailmobile Co br	Polk-Clement Directory Co. Inc.,	Image pg. A37
1946	Iroquois Door Co garage	Polk-Clement Directory Co. Inc.,	Image pg. A41
1940	Iroquois Door Co garage	Polk-Clement Directory Co. Inc.,	Image pg. A45
1935	Larkin Co garage	Polk-Clement Directory Co. Inc.	Image pg. A49
1930	Larkin Co garage	Polk-Clement Directory Co. Inc.,	Image pg. A53

669 EXCHANGE ST

Year	Uses	Source	
1985	Iroquois Industries Inc Whse	R. L. Polk Co., Publishers	Image pg. A13
1980	Iroquois Door Whee	R. L. Polk Co., Publishers	Image pg. A17
1975	Iroquois Door Whse	R. L. Polk Co.	Image pg. A21
	Iroquois Door Co sash & doors whol	R. L. Polk Co.	Image pg. A21

FINDINGS

Year	Uses	Source	
1970	IROQUOIS DOOR WHSE	R.L. Polk Company, Inc., Publishers	Image pg. A24
1964	Vacant	R. L. Polk Co., Inc., Publishers	Image pg. A27
1960	Wabash RRCo Buffalo Term Div	Polk-Clement Directory Co. Inc.,	Image pg. A30
1955	Wabash Railway Co Buffalo Term Div	Polk-Clement Directory Co. Inc.,	Image pg. A33

HAMBURG ST

363 HAMBURG ST

Year	Uses	Source	
2008	DECKS UNLIMITED	Polk City Directories	Image pg. A2
	CONSTRUCTION home	Polk City Directories	Image pg. A2
	improvements	Polk City Directories	Image pg. A2
	Lund Richard E Jr & Doris M `13 A	Polk City Directories	Image pg. A2
	PERMA TECH INC marine equip/	Polk City Directories	Image pg. A2
	supl whol	Polk City Directories	Image pg. A2
2001	DECKS UNLIMITED CONSTRUCTION COMPANY new home constn	EQUIFAX Polk City Directory	Image pg. A5
	PERMA TECH fab structural mtl	EQUIFAX Polk City Directory	Image pg. A5
1998	RAILROAD CROSSES	The Polk Company,City Directory Division	Image pg. A8
	PERMA TECH fbrcted strctrl mtl	The Polk Company,City Directory Division	Image pg. A8
	sngl fam hsng cnstr	The Polk Company,City Directory Division	Image pg. A8
	CONSTRUCTION COMPANY	The Polk Company,City Directory Division	Image pg. A8
	DECKS UNLIMITED	The Polk Company,City Directory Division	Image pg. A8
	COLONIAL FOAM hsehid frnshngs	The Polk Company,City Directory Division	Image pg. A8
	COMPANY furniture stores	The Polk Company,City Directory Division	Image pg. A8
	ARMAGEDDON FURNITURE	The Polk Company,City Directory Division	Image pg. A8
1992	Perma Tech dock loading equip mfg	R. L. Polk Co., Publishers	Image pg. A11
1985	Par Foam Products Inc	R. L. Polk Co., Publishers	Image pg. A14
1980	A B C Steel Rule Die Corp die	R. L. Polk Co., Publishers	Image pg. A18
	makersa	R. L. Polk Co., Publishers	Image pg. A18

365 HAMBURG ST

Year	Uses	Source	
2001	H M H COMPANY indl machryequip	EQUIFAX Polk City Directory	Image pg. A5
1970	VACANT	R.L. Polk Company, Inc., Publishers	Image pg. A25

367 HAMBURG ST

Year	Uses	Source	
1992	Vacant	R. L. Polk Co., Publishers	Image pg. A11
1985	Tamor Industries die cutters	R. L. Polk Co., Publishers	Image pg. A14

FINDINGS

Year	Uses	Source	
1980	Dubuque Packing Co meat packing	R. L. Polk Co., Publishers	Image pg. A18
	Transportation Club Of Buffalo	R. L. Polk Co., Publishers	Image pg. A18
	Clecon Inc Eastern Br die ctrs	R. L. Polk Co., Publishers	Image pg. A18
	fabricators	R. L. Polk Co., Publishers	Image pg. A18
	Vacant	R. L. Polk Co., Publishers	Image pg. A18
	Vacant	R. L. Polk Co., Publishers	Image pg. A18
1975	Clecon Inc Eastern Br die ctrs	R. L. Polk Co.	Image pg. A22
	fabricators	R. L. Polk Co.	Image pg. A22
	Michael Bedding Co mfr bedding	R. L. Polk Co.	Image pg. A22
	Plibrico Sales & Service Co	R. L. Polk Co.	Image pg. A22
	incinerators	R. L. Polk Co.	Image pg. A22
1970	EASTERN FABRICATING CO INC DIE CTRS EQUIP	R.L. Polk Company, Inc., Publishers	Image pg. A25
	MICHAEL BEDDING CO MFR BEDDING	R.L. Polk Company, Inc., Publishers	Image pg. A25
	PLIBRICO SALES & SERVICE CO INCINERATORS	R.L. Polk Company, Inc., Publishers	Image pg. A25
1964	Whitmer Jackson Co Inc windows	R. L. Polk Co., Inc., Publishers	Image pg. A28
1960	Whitmer Jackson Co Inc The windows	Polk-Clement Directory Co. Inc.,	Image pg. A31
1955	Whitmer Jackson Co Inc whol doors	Polk-Clement Directory Co. Inc.,	Image pg. A34
1950	Whitmer Jackson Co Inc sash doors and millwork	Polk-Clement Directory Co. Inc.,	Image pg. A38
1946	Whitmer Jackson Co Inc whol lbr	Polk-Clement Directory Co. Inc.,	Image pg. A42
1940	Whitmer Jackson Co Inc sash and doors	Polk-Clement Directory Co. Inc.,	Image pg. A46
1935	Whitmer Jackson Co Inc sash and doors	Polk-Clement Directory Co. Inc.	Image pg. A50

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Year	Uses	Source	
1992	Colonial Foam rubber mfrs	R. L. Polk Co., Publishers	Image pg. A11
1985	Vacant	R. L. Polk Co., Publishers	Image pg. A14
1980	consulting eng	R. L. Polk Co., Publishers	Image pg. A18
	Trautman Wm R Associates	R. L. Polk Co., Publishers	Image pg. A18
1975	consulting eng	R. L. Polk Co.	Image pg. A22
	Trautmnan Wm R Associates	R. L. Polk Co.	Image pg. A22
1970	TRAUTMAN WM R ASSOCIATES CONSULTING ENG	R.L. Polk Company, Inc., Publishers	Image pg. A25

390 HAMBURG ST

Year	Uses	Source	
1940	Buffalo Engineering Dept repair div	Polk-Clement Directory Co. Inc.,	Image pg. A46
	Buffalo Sewage Disposal Plant	Polk-Clement Directory Co. Inc.,	Image pg. A46
1935	Buffalo Utilization Plant	Polk-Clement Directory Co. Inc.	Image pg. A50

Year	Uses	Source	
1935	Buffalo Sewage Disposal plant	Polk-Clement Directory Co. Inc.	Image pg. A50

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Year	Uses	Source	
1985	Sullivan Charles	R. L. Polk Co., Publishers	Image pg. A15

444 HAMBURG ST

Year	Uses	Source	
1925	BORK Julia waitress Anthony Kieffer r	Polk-Clement Directory Co., Publishers	Image pg. A60
	Kuchingko Victor lab r	Polk-Clement Directory Co., Publishers	Image pg. A61

LARKIN ST

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Year	Uses	Source	
1960	Meyers James O Sons chem mfrs	Polk-Clement Directory Co. Inc.,	Image pg. A32
	Shell Oil Co ofc	Polk-Clement Directory Co. Inc.,	Image pg. A32
	Triangle Chemical Co whol chemicals	Polk-Clement Directory Co. Inc.,	Image pg. A32
	Johnson SC& Son Inc wax products	Polk-Clement Directory Co. Inc.,	Image pg. A32
	Birdair Structures Inc research	Polk-Clement Directory Co. Inc.,	Image pg. A32
	Strong Cobb Arner Inc br chemists	Polk-Clement Directory Co. Inc.,	Image pg. A32
	Bates Soap Corp	Polk-Clement Directory Co. Inc.,	Image pg. A32
	Wilson Warehouse Inc	Polk-Clement Directory Co. Inc.,	Image pg. A32

241 LARKIN ST

Year	Uses	Source	
1992	Larkin Service Inc truck & trailer repr	R. L. Polk Co., Publishers	Image pg. A12
1985	Harbison Walker Sales Co	R. L. Polk Co., Publishers	Image pg. A16
	Warehouse	R. L. Polk Co., Publishers	Image pg. A16
1980	Harbison Walker Sales Co	R. L. Polk Co., Publishers	Image pg. A19
	Warehouse	R. L. Polk Co., Publishers	Image pg. A19
1975	Harbison Walker Sales Co	R. L. Polk Co.	Image pg. A23
	Warehouse	R. L. Polk Co.	Image pg. A23
1970	HARBISON WALKER SALES CO WAREHOUSE WAREHOUSE	R.L. Polk Company, Inc., Publishers	Image pg. A26
1964	United Parcel Serv	R. L. Polk Co., Inc., Publishers	Image pg. A29
1960	Ryder Truck Rental Inc garage and stge	Polk-Clement Directory Co. Inc.,	Image pg. A32
1955	Lincoln Truck Rental Inc garage and stge	Polk-Clement Directory Co. Inc.,	Image pg. A35
1950	Lincoln Truck Rental Inc	Polk-Clement Directory Co. Inc.,	Image pg. A39

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Year	Uses	Source	
1930	Vacant	Polk-Clement Directory Co. Inc.,	Image pg. A54
1925	KENNEDY John J slsmn r	Polk-Clement Directory Co., Publishers	Image pg. A62
	John P caretkr h	Polk-Clement Directory Co., Publishers	Image pg. A62
	Sizer Forge Co	Polk-Clement Directory Co., Publishers	Image pg. A63

Larkin St

290 Larkin St

Year	Uses	Source
2014	UNCLE SAMS ARMY NAVY OTFITTERS	EDR Digital Archive
	UNCLE SAMS ARMY NAVY OTFITTERS	EDR Digital Archive
	UNCLE SAMS ARMY NAVY OTFITTERS	EDR Digital Archive
	UNCLE SAMS ARMY NAVY OTFITTERS	EDR Digital Archive
2010	ALTER EGO OF ALTER EGO SURP	EDR Digital Archive
	SURPLUS CITY DEPARTMENT STORES	EDR Digital Archive
	ARMY NAVY SURPLUS OUTLET INC	EDR Digital Archive
	UNCLE SAMS ARMY NAVY OTFITTERS	EDR Digital Archive
	UNCLE SAMS ARMY NAVY OTFITTERS	EDR Digital Archive
	ALTER EGO OF ALTER EGO SURP	EDR Digital Archive
	SURPLUS CITY DEPARTMENT STORES	EDR Digital Archive
	ARMY NAVY SURPLUS OUTLET INC	EDR Digital Archive
	UNCLE SAMS ARMY NAVY OTFITTERS	EDR Digital Archive
	UNCLE SAMS ARMY NAVY OTFITTERS	EDR Digital Archive

LARKIN ST

290 LARKIN ST

Year	Uses	Source	
2008	EXCHANGE STREET salvage	Polk City Directories	Image pg. A3
	surplus merchandise	Polk City Directories	Image pg. A3
	UNCLE SAMS nonclassified	Polk City Directories	Image pg. A3
	establishments	Polk City Directories	Image pg. A3
1992	Sam Son Distribution Center Inc frt forwarding	R. L. Polk Co., Publishers	Image pg. A12
1985	public whse & distr	R. L. Polk Co., Publishers	Image pg. A16
	Sam Son Distribution Center Inc	R. L. Polk Co., Publishers	Image pg. A16
1980	public whae & distr	R. L. Polk Co., Publishers	Image pg. A20
	Sam Son Distribution Center 1ic	R. L. Polk Co., Publishers	Image pg. A19

FINDINGS

Year	Uses	Source	
1980	public whae & distr	R. L. Polk Co., Publishers	Image pg. A19
1975	Vacant	R. L. Polk Co.	Image pg. A23
	public whse & distr	R. L. Polk Co.	Image pg. A23
	Sam Son Distribution Center Inc	R. L. Polk Co.	Image pg. A23
1970	WILSON WAREHOUSE INC	R.L. Polk Company, Inc., Publishers	Image pg. A26
	WATERS METAL PRODUCTS INC ELEC WIRING	R.L. Polk Company, Inc., Publishers	Image pg. A26
1964	Wilson Warehouse Inc	R. L. Polk Co., Inc., Publishers	Image pg. A29
1960	Wilson Warehouse Inc	Polk-Clement Directory Co. Inc.,	Image pg. A32
1955	Howard Bros Chemical Co medicine	Polk-Clement Directory Co. Inc.,	Image pg. A35
1950	Howard Bros Chemical Co medicines	Polk-Clement Directory Co. Inc.,	Image pg. A39
1946	Wilson Warehouse Inc	Polk-Clement Directory Co. Inc.,	Image pg. A43
1940	Cone Arth R seeds	Polk-Clement Directory Co. Inc.,	Image pg. A47
1930	Craver Dickinson Seed Co Inc	Polk-Clement Directory Co. Inc.,	Image pg. A54

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Year	Uses	Source	
1992	Elevator Maintenance Co Stge	R. L. Polk Co., Publishers	Image pg. A12
1985	Vacant	R. L. Polk Co., Publishers	Image pg. A16
1980	Niklas Sign & Silk Screen Printing	R. L. Polk Co., Publishers	Image pg. A20
1975	Vacant	R. L. Polk Co.	Image pg. A23
1970	BATES INDUSTRIES INC SOAP	R.L. Polk Company, Inc., Publishers	Image pg. A26
1955	Vacant	Polk-Clement Directory Co. Inc.,	Image pg. A35
1950	Great Lakes Paper Stock Inc	Polk-Clement Directory Co. Inc.,	Image pg. A39
1946	Great Lakes Paper Stock	Polk-Clement Directory Co. Inc.,	Image pg. A43
1940	Vacant	Polk-Clement Directory Co. Inc.,	Image pg. A47
1935	Lucidol Corp mfg chemists	Polk-Clement Directory Co. Inc.	Image pg. A51
	Wallace & Tiernan Co mfg chemists	Polk-Clement Directory Co. Inc.	Image pg. A51
1930	povwder	Polk-Clement Directory Co. Inc.,	Image pg. A54
	Lucidol Corp mfrs bleaching	Polk-Clement Directory Co. Inc.,	Image pg. A54

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Year	Uses	Source	
1955	Vacant	Polk-Clement Directory Co. Inc.,	Image pg. A35
1946	Vacant	Polk-Clement Directory Co. Inc.,	Image pg. A43
1940	Vacant	Polk-Clement Directory Co. Inc.,	Image pg. A47
1935	Moran M Transportation Co yards	Polk-Clement Directory Co. Inc.	Image pg. A51

FINDINGS

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Year	Uses	Source	
1964	Wilson Warehouse Inc	R. L. Polk Co., Inc., Publishers	Image pg. A29
	Bates Soap Corp mfr	R. L. Polk Co., Inc., Publishers	Image pg. A29
	Johnson SC & Son Inc wax products	R. L. Polk Co., Inc., Publishers	Image pg. A29
	Transcopy Div Anken Chemical & Film Corp photocopying mach	R. L. Polk Co., Inc., Publishers	Image pg. A29
	Waters Metal Products Inc	R. L. Polk Co., Inc., Publishers	Image pg. A29
	Meyers James O Sons chem mfrs	R. L. Polk Co., Inc., Publishers	Image pg. A29
1955	Cowan Howard W deodorant powder	Polk-Clement Directory Co. Inc.,	Image pg. A35
	Adourian John C whol feed	Polk-Clement Directory Co. Inc.,	Image pg. A35
	Shell Oil Co whol	Polk-Clement Directory Co. Inc.,	Image pg. A35
	Wilson Warehouse Inc	Polk-Clement Directory Co. Inc.,	Image pg. A35
	Howard Bros Chemical Co medicine	Polk-Clement Directory Co. Inc.,	Image pg. A35
1950	Wilson Warehouse Co	Polk-Clement Directory Co. Inc.,	Image pg. A39
	Howard Bros Chemical Co medicines	Polk-Clement Directory Co. Inc.,	Image pg. A39
1946	Wilson Warehouse Inc	Polk-Clement Directory Co. Inc.,	Image pg. A43
1940	Thorne Morrison Inc waste	Polk-Clement Directory Co. Inc.,	Image pg. A47

303 LARKIN ST

Year	Uses	Source	
1946	801st AAF Specialized Depot	Polk-Clement Directory Co. Inc.,	Image pg. A43

305 LARKIN ST

Year	Uses	Source	
1940	Vacant	Polk-Clement Directory Co. Inc.,	Image pg. A47
1935	Purity Yeast Co Inc	Polk-Clement Directory Co. Inc.	Image pg. A51
	Hurst Jos E	Polk-Clement Directory Co. Inc.	Image pg. A51
1930	Schlitz Brewing Co	Polk-Clement Directory Co. Inc.,	Image pg. A54

309 LARKIN ST

Year	Uses	Source	
1998	MARCATECH WIN	The Polk Company,City Directory Division	Image pg. A9
	CONSTRUCTION DESIGNS lmbr	The Polk Company,City Directory Division	Image pg. A9
	bidng mtrls	The Polk Company,City Directory Division	Image pg. A9
1992	Vacant 3 Hses	R. L. Polk Co., Publishers	Image pg. A12
1985	supplies	R. L. Polk Co., Publishers	Image pg. A16
	Vienco Beauty Imports retail beauty	R. L. Polk Co., Publishers	Image pg. A16
1980	Vienco Inc retail beauty supplies	R. L. Polk Co., Publishers	Image pg. A20
1975	Vienco Inc retail beauty supplies	R. L. Polk Co.	Image pg. A23

FINDINGS

Year	Uses	Source	
1970	VIENNA BEAUTY IMPORTS INC RETAIL BEAUTY SUPPLIES	R.L. Polk Company, Inc., Publishers	Image pg. A26

312 LARKIN ST

Year	Uses	Source	
1985	Vacant	R. L. Polk Co., Publishers	Image pg. A16
1980	Vacant	R. L. Polk Co., Publishers	Image pg. A20
1975	Vacant	R. L. Polk Co.	Image pg. A23
1950	Blatz Brewing Co Inc	Polk-Clement Directory Co. Inc.,	Image pg. A39
1940	Colonial Preserves	Polk-Clement Directory Co. Inc.,	Image pg. A47

313 LARKIN ST

Year	Uses	Source	
1950	Draper Roy E eggs	Polk-Clement Directory Co. Inc.,	Image pg. A39
1946	801st AAF Specialized Depot	Polk-Clement Directory Co. Inc.,	Image pg. A43
1940	Office Towel Supply Co Inc	Polk-Clement Directory Co. Inc.,	Image pg. A47
	Totsco Linen Supply Co	Polk-Clement Directory Co. Inc.,	Image pg. A47
1935	Office Toilet Supply Co	Polk-Clement Directory Co. Inc.	Image pg. A51
1930	Office Toiler Supply Co	Polk-Clement Directory Co. Inc.,	Image pg. A54

315 LARKIN ST

Year	Uses	Source	
1992	Vacant 3 Hses	R. L. Polk Co., Publishers	Image pg. A12
1985	Vacant	R. L. Polk Co., Publishers	Image pg. A16
1980	Vacant	R. L. Polk Co., Publishers	Image pg. A20
1975	Vacant	R. L. Polk Co.	Image pg. A23
1970	BLUM PAUL CO INDUSTRIAL MATLS	R.L. Polk Company, Inc., Publishers	Image pg. A26
1964	Blum Paul Co industrial matls	R. L. Polk Co., Inc., Publishers	Image pg. A29
	Garry Laboratories Inc Auto wax	R. L. Polk Co., Inc., Publishers	Image pg. A29
1960	G & B Scrap & Commodity Corp junk	Polk-Clement Directory Co. Inc.,	Image pg. A32
	G & R Elec Corp elec equip	Polk-Clement Directory Co. Inc.,	Image pg. A32
	Electric Apparatus elec equip	Polk-Clement Directory Co. Inc.,	Image pg. A32
1955	Electric Apparatus Co distrs	Polk-Clement Directory Co. Inc.,	Image pg. A35

SENECA ST

571 SENECA ST

Year	Uses	Source	
2001	J & J JEWELRY COMPANY jwlry precious stones	EQUIFAX Polk City Directory	Image pg. A6

FINDINGS

583 SENECA ST

Year	*Uses*	*Source*	
1950	Chapman Transmission Corp	Polk-Clement Directory Co. Inc.,	Image pg. A40

602 SENECA ST

Year	*Uses*	*Source*	
2001	Veros Jacqueline	EQUIFAX Polk City Directory	Image pg. A6

621 SENECA ST

Year	*Uses*	*Source*	
1955	Seneca Whse Industl Center Inc power hse	Polk-Clement Directory Co. Inc.,	Image pg. A36
1950	Kenland Inc power hse	Polk-Clement Directory Co. Inc.,	Image pg. A40
1946	Kenland Inc power hse	Polk-Clement Directory Co. Inc.,	Image pg. A44
1940	Larkin Co power house	Polk-Clement Directory Co. Inc.,	Image pg. A48
1935	Larkin Co power house	Polk-Clement Directory Co. Inc.	Image pg. A52
1930	Office Toilett Supply Co Indy	Polk-Clement Directory Co. Inc.,	Image pg. A55
	Larkiii Co whse	Polk-Clement Directory Co. Inc.,	Image pg. A55

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched	Address Not Identified in Research Source
619 Exchange St	1996, 1975, 1925

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched	Address Not Identified in Research Source
232 LARKIN ST	2014, 2010, 2008, 2001, 1998, 1996, 1992, 1985, 1980, 1975, 1970, 1964, 1955, 1950, 1946, 1940, 1935, 1930, 1925
241 LARKIN ST	2014, 2010, 2008, 2001, 1998, 1996, 1946, 1940, 1935, 1930, 1925
244 LARKIN ST	2014, 2010, 2008, 2001, 1998, 1996, 1992, 1985, 1980, 1975, 1970, 1964, 1960, 1955, 1950, 1946, 1940, 1935
290 LARKIN ST	2014, 2010, 2001, 1998, 1996, 1935, 1925
290 Larkin St	2008, 2001, 1998, 1996, 1992, 1985, 1980, 1975, 1970, 1964, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1925
290 Larkin St	2008, 2001, 1998, 1996, 1992, 1985, 1980, 1975, 1970, 1964, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1925
293 LARKIN ST	2014, 2010, 2008, 2001, 1998, 1996, 1964, 1960, 1925
295 LARKIN ST	2014, 2010, 2008, 2001, 1998, 1996, 1992, 1985, 1980, 1975, 1970, 1964, 1960, 1950, 1930, 1925
302 LARKIN ST	2014, 2010, 2008, 2001, 1998, 1996, 1992, 1985, 1980, 1975, 1970, 1960, 1935, 1930, 1925
303 LARKIN ST	2014, 2010, 2008, 2001, 1998, 1996, 1992, 1985, 1980, 1975, 1970, 1964, 1960, 1955, 1950, 1940, 1935, 1930, 1925
305 LARKIN ST	2014, 2010, 2008, 2001, 1998, 1996, 1992, 1985, 1980, 1975, 1970, 1964, 1960, 1955, 1950, 1946, 1925
309 LARKIN ST	2014, 2010, 2008, 2001, 1996, 1964, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1925
312 LARKIN ST	2014, 2010, 2008, 2001, 1998, 1996, 1992, 1970, 1964, 1960, 1955, 1946, 1935, 1930, 1925
313 LARKIN ST	2014, 2010, 2008, 2001, 1998, 1996, 1992, 1985, 1980, 1975, 1970, 1964, 1960, 1955, 1925
315 LARKIN ST	2014, 2010, 2008, 2001, 1998, 1996, 1950, 1946, 1940, 1935, 1930, 1925
363 HAMBURG ST	2014, 2010, 1996, 1975, 1970, 1964, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1925
365 HAMBURG ST	2014, 2010, 2008, 1998, 1996, 1992, 1985, 1980, 1975, 1964, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1925
367 HAMBURG ST	2014, 2010, 2008, 2001, 1998, 1996, 1930, 1925

FINDINGS

Address Researched	Address Not Identified in Research Source
369 HAMBURG ST	2014, 2010, 2008, 2001, 1998, 1996, 1964, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1925
390 HAMBURG ST	2014, 2010, 2008, 2001, 1998, 1996, 1992, 1985, 1980, 1975, 1970, 1964, 1960, 1955, 1950, 1946, 1930, 1925
440 HAMBURG ST	2014, 2010, 2008, 2001, 1998, 1996, 1992, 1980, 1975, 1970, 1964, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1925
444 HAMBURG ST	2014, 2010, 2008, 2001, 1998, 1996, 1992, 1985, 1980, 1975, 1970, 1964, 1960, 1955, 1950, 1946, 1940, 1935, 1930
565 EXCHANGE ST	2014, 2010, 2008, 2001, 1998, 1996, 1992, 1985, 1980, 1975, 1970, 1930, 1925
567 EXCHANGE ST	2014, 2010, 1996, 1985, 1935, 1925
567 Exchange St	2008, 2001, 1998, 1996, 1992, 1985, 1980, 1975, 1970, 1964, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1925
567 Exchange St	2008, 2001, 1998, 1996, 1992, 1985, 1980, 1975, 1970, 1964, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1925
568 EXCHANGE ST	2014, 2010, 1996
571 SENECA ST	2014, 2010, 2008, 1998, 1996, 1992, 1985, 1980, 1975, 1970, 1964, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1925
578 EXCHANGE ST	2014, 2010, 2008, 2001, 1998, 1996, 1992, 1985, 1950, 1935, 1930, 1925
583 SENECA ST	2014, 2010, 2008, 2001, 1998, 1996, 1992, 1985, 1980, 1975, 1970, 1964, 1960, 1955, 1946, 1940, 1935, 1930, 1925
586 EXCHANGE ST	2014, 2010, 2008, 2001, 1998, 1996, 1992, 1985, 1980, 1975, 1935, 1930, 1925
587 EXCHANGE ST	2014, 2010, 2008, 2001, 1998, 1996, 1992, 1985, 1980, 1975, 1970, 1964, 1960, 1955, 1950, 1946, 1940
590 EXCHANGE ST	2014, 2010, 2008, 2001, 1998, 1996, 1992, 1985, 1980, 1975, 1970, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1925
596 EXCHANGE ST	2014, 2010, 2008, 2001, 1998, 1996, 1980, 1964, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1925
600 EXCHANGE ST	2014, 2010, 2008, 2001, 1998, 1996, 1992, 1985, 1980, 1925
601 EXCHANGE ST	2014, 2010, 2001, 1998, 1996, 1992, 1985, 1980, 1975, 1970, 1964, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1925
602 SENECA ST	2014, 2010, 2008, 1998, 1996, 1992, 1985, 1980, 1975, 1970, 1964, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1925
604 EXCHANGE ST	2014, 2010, 2008, 2001, 1998, 1996, 1992, 1985, 1980, 1975, 1970, 1964, 1960, 1955, 1950, 1946, 1940, 1930
605 EXCHANGE ST	2014, 2010, 2001, 1998, 1996, 1992, 1985, 1980, 1975, 1970, 1964, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1925
606 EXCHANGE ST	2014, 2010, 2001, 1998, 1996, 1992, 1985, 1980, 1975, 1970, 1964, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1925
612 EXCHANGE ST	2014, 2010, 2001, 1998, 1996, 1992, 1985, 1980, 1975, 1970, 1964, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1925
620 EXCHANGE ST	2014, 2010, 2001, 1998, 1996, 1992, 1985, 1980, 1975, 1970, 1964, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1925
621 SENECA ST	2014, 2010, 2008, 2001, 1998, 1996, 1992, 1985, 1980, 1975, 1970, 1964, 1960, 1925
624 EXCHANGE ST	2014, 2010, 2001, 1998, 1996, 1992, 1985, 1980, 1975, 1970, 1964, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1925

FINDINGS

Address Researched	Address Not Identified in Research Source
630 EXCHANGE ST	2014, 2010, 2001, 1998, 1996, 1992, 1985, 1980, 1975, 1970, 1964, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1925
632 EXCHANGE ST	2014, 2010, 2001, 1998, 1996, 1992, 1985, 1980, 1975, 1970, 1964, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1925
650 Exchange St	2008, 2001, 1998, 1996, 1992, 1985, 1980, 1975, 1970, 1964, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1925
650 Exchange St	2008, 2001, 1998, 1996, 1992, 1985, 1980, 1975, 1970, 1964, 1960, 1955, 1950, 1946, 1940, 1935, 1930, 1925
650 EXCHANGE ST	2014, 2010, 1996, 1925
669 EXCHANGE ST	2014, 2010, 2008, 2001, 1998, 1996, 1992, 1950, 1946, 1940, 1935, 1930, 1925

Source Page Images Appendix

EXCHANGE ST 2008

Polk City Directories Now on the Internet @ www.citydirectory.com

EUCLID AVE Cont'd

24 ✪ Graves Kimberly E
25 Lenda Michael J [20] ▲
26 ✪ Cleveland Janet V
✪ Quarles Yvonne L
Quarles Hadassah
27 Nowak Lawrence W & Claudia J [32] ▲ 716-897-2688
28 ✪ Davis Shannon 716-381-8476
29 - 30 No Current Listing (2 Hses)
32 Book Ray [3] 716-896-2147
36 ✪ Casey Sharon 716-896-0207
Mason Nikiya K [12]
38 O'Day William J III [9] ▲ 716-895-0011
41 Zielinski Norbert A [43] ▲
42 ✪ Rossi Shawn
✪ Smith Angela 716-381-8951
49 Rutkowski Dennis B [32] ▲ 716-897-2721
Rutkowski Tammy M ..716-897-2721
51 Knoll Clare T [12] ▲
Knoll Melvin F
52 Cooper Carmen [9] 716-893-5212
DOROTHY O'CONNELL RESTAURANT restaurants 716-892-0000
MELVA'S DAYCARE child care serv 716-896-1401
53 Barnes Maggie L [8]
56 ✪ Moye Lacherie D
59 No Current Listing
60 Hacker Kimberlee A [17] ▲ 716-892-7626
61 No Current Listing
62 ✪ Cooley Monique A
✪ Hardy Toya
Hardy Daequan
✪ Macall Hajah
63 No Current Listing
65 Le Sinh [4] 716-894-7459
✪ Sharp Richard 716-893-0562
2 Hawkins Christina L [2]
66 Le Loan K [5]
Le Sinh V
70 No Current Listing
72 Grillo Ann M [12] ▲
73 GROW GREEN LAWNS lawn & grounds maintenance 716-897-1505
✪ Linehan Chris
✪ Ward Felicia A
74 Massey Demario [26]
Massey Sonya R
77 Gammack Gerald A & Dawn M [21] ▲
Wolfe Diane [7] 716-893-7599
81 Dzierba Alexndr P [47] ▲ 716-893-2047
Dzierba Charlotte T 716-893-2047
+ DOAT ST INTERSECTS
BUSINESSES 3 HOUSEHOLDS 48

EUCLID PL (BUFFALO)-FROM 878 S PARK AVE NORTHEAST
• ZIP CODE 14210 CAR-RT C017
12 Patrizi Ziby F & Susan G [15] ▲ 716-828-9110
13 No Current Listing
16 Morin Thomas T [4] 716-825-1389
Morin Selina 716-825-1389
18 Franks Sophia M [40] ▲ 716-823-4369
19 Blasak Ida M [26] ▲ 716-823-5261
20 Pitz James J Sr & Rosemary M [37] ▲
24 No Current Listing
26 ✪ Franks Michael ▲
30 No Current Listing
32 Busch Curtis J [13] ▲ 716-825-8135
39 - 46 No Current Listing (6 Hses)
+ PRENATT ST BEGINS
49 Gretzles Robert C Jr [2]
50 - 51 No Current Listing (2 Hses)
52 Norris Margaret A [30] ▲
Norris David J
55 ✪ Torres Armondo R ..716-826-1752
Torres Adalia A 716-826-1752
56 Ovitt Thomas S & Renee E [18] ▲ 716-827-0976
✪ Smith Gloria 716-822-8747
58 Racki Norman C [30] ▲ 716-824-4636
60 Phillips Dianne C [36] ▲ 716-824-3402
Phillips Douglas W 716-824-3402
+ ELK ST BEGINS
HOUSEHOLDS 25

EUGENE AVE (BUFFALO)-FROM 109 HINMAN AVE
+ HINMAN AVE INTERSECTS
• ZIP CODE 14216 CAR-RT C027
20 ✪ Feyes Kristin
21 No Current Listing
24 Mistretta Brian D [12] ▲ 716-879-0060
Mistretta Lynda M 716-879-0060
25 1 Mann Barbara A [17] 716-873-9068

EUGENE AVE Cont'd

2 Rossiter Patrick J [2] 716-873-4109
29 Brodzik Leon C [48] ▲ ..716-873-2344
30 Pieri Elizabeth A [16] ▲
Pieri John R
34 Medina Ivette [7]
35 Thomas Veronica A [20] ▲ 716-876-2852
37 Hill Velton [2]
Hill Lina
38 Leonardi Romano A & Anna M [29] ▲ 716-874-1555
41 Hamilton Philip J & Jill P [19] ▲
42 Tamsen Jeffrey C [7] ▲ 716-876-6166
Tamsen Maribeth 716-876-6166
+ RAMSDELL AVE BEGINS
50 Pirri Benedict F & Patricia O [35] ▲ 716-873-4430
51 Ulrich Cathy L [28] ▲
54 ✪ De Fabio Eugene 716-837-9311
Malley Sandra L [16] ▲
57 ARIEL HARDWOOD FLOORS floor laying refinishing/resur 716-871-8611
62 Johnson Jennifer A [5]
63 No Current Listing
65 Murphy Thomas J [5] ▲ 716-833-6834
66 Troy Thomas M Sr & Barbara L [12] ▲ 716-876-6128
69 Bridger Edward J [49] ▲ 716-875-3032
75 ✪ Barber Brad 716-875-2805
+ KENMORE AVE INTERSECTS
BUSINESSES 1 HOUSEHOLDS 23

EUREKA PL (BUFFALO)-FROM 349 SYCAMORE ST NORTHWEST
• ZIP CODE 14204 CAR-RT C006
19 Pitts Virgina R [20] ▲ 716-856-3757
24 ✪ Harris Jemar T 716-853-0696
Harris Kasakeon 716-853-0696
25 No Current Listing
27 Rice Wendy M [27] ▲ 716-856-8519
37 Reid Yvonne L [6]
43 ✪ Mozee Adrienne 716-725-0883
49 No Current Listing
53 Sellers Ethel L [15] ▲
57 Telli Rosalind R [15] ▲
65 No Current Listing
67 Lee Kim L [17] ▲
Lee Albert C
+ GENESEE ST INTERSECTS
HOUSEHOLDS 11

EVADENE ST (BUFFALO)-FROM 148 ENGLEWOOD AVE NORTHEAST
• ZIP CODE 14214 CAR-RT C022
14 No Current Listing
17 Baldwin Anthony A Sr & Lesha L [16] ▲ 716-837-8986
18 No Current Listing
21 Palovich Christopher [2] ▲
22 Lape Edward N [40] ▲ 716-836-2980
25 Sweeney Martin N & Claudia J [30] ▲ 716-836-8233
26 Roth Marcia J [12] ▲ 716-836-9755
27 No Current Listing
28 Allen Latashia D [18] ▲
Allen Damon A
+ MONTROSE AVE INTERSECTS
HOUSEHOLDS 9

EVANSTON PL (BUFFALO)-FROM 16 SIBLEY ST EAST
• ZIP CODE 14220 CAR-RT C023
14 Shanahan Kevin J & Colleen M [30] ▲ 716-823-2025
17 Satterwhite Alma M [3] 716-825-3792
Satterwhite Stephanie N 716-825-3792
18 Kenneally John C & Mary L [17] ▲ 716-824-4556
22 Miranda Raymond S & Betty J [37] ▲ 716-822-9213
26 Mango Russell M Jr [18] ▲ 716-823-9162
Mango Kim 716-823-9162
29 No Current Listing
+ AUGUSTA ST BEGINS
33 Folwell Daniel K [8] ▲
36 Dorini Anna M [17] ▲
37 Sullivan Susan V [18] ▲ 716-823-7003
38 Weir John K Sr & Madonna M [43] ▲ 716-823-4724
41 No Current Listing
44 Smardz Rick S & Laura A [16] ▲
47 Mahar Kevin D Sr [47] ▲ 716-823-6387
50 ✪ Stolzman Christopher D
51 Johnson Richard A & Jean M [49] ▲ 716-823-7657
55 Hynes Joseph G [47] ▲
58 Beiring Michael J [2]
62 Metelski Mary D [47] ▲ ..716-823-8034

EVANSTON PL Cont'd

63 Eagen Majella M & James J [20] ▲ 716-822-3522
67 No Current Listing
+ JULIUS ST INTERSECTS
HOUSEHOLDS 20

EVELYN ST (BUFFALO)-FROM 338 ESSER AVE SOUTHEAST
• ZIP CODE 14207 CAR-RT C008
11 Lumberg Sigismund J & Dorothy A [30] ▲
15 Diebel Raymond T [11] ▲
Diebel Jessica M
Fitzgibbon Karen [4] 716-871-9926
19 ✪ Cozzi Vince
✪ Skipper Ricky L 716-562-3657
20 ✪ Berschel Artie
✪ Kuku Jim
Mueckl Diane [3] 716-873-3429
21 Praties Robert I & Mary M [47] ▲ 716-877-5780
26 Schmit Donald R [20] ▲ 716-877-2281
Schmit Clara M 716-877-2281
27 Casey Jeremiah F Jr & Barbara E [29] ▲
30 Smith John J Jr [20] ▲ 716-874-7769
33 Gauthier Edward A [48] ▲ 716-877-7230
Gauthier Margaret L 716-877-7230
Sontag Shirley A [10] ▲
34 Taylor Leo G Jr & Barbara A [33] ▲ 716-873-1057
37 Perkins Richard [2] ▲ 716-873-3162
Perkins Emily 716-873-3162
38 Schmitt Wilbert P & Ruth [47] ▲ 716-873-3676
41 Perkins Richard D & Pamela G [31] ▲ 716-874-2503
45 Schmit Herbert F Jr & Vera T [50] ▲ 716-875-0874
46 Baker William J Jr & Barbara J [20] ▲ 716-874-0988
49 ✪ Caputo Joe
Caputo Pat
✪ Hasbrouck Lorry
Jopp Gerald E [12] ▲ 716-876-0329
Jopp Kristy 716-876-0329
✪ Nippersink Eric
50 Moore Shanette M [3] ▲
51 Hasbrouck August W Sr & Lorraine M [34] ▲ 716-873-0663
52 Jopp Bruce A [10] ▲ 716-877-6136
54 No Current Listing
55 ✪ Clark Janice 716-874-8908
56 Whittaker James R Jr & Mary M [25] ▲ 716-873-9039
57 ✪ Digeorge Marco
Dresel William A & Marion M [47] ▲ 716-875-6727
58 White Brian D [13] ▲ 716-873-8929
Wolf Paul W [5] 716-874-6447
61 Keeley Helen A [36] ▲ ..716-876-8527
62 No Current Listing
63 Wood Gary M [39] ▲ 716-876-1985
Wood Irene 716-876-1985
64 No Current Listing
67 Merhoff Karen S [8] ▲
Merhoff Erica A
68 Rantanen Steven M [17] ▲ 716-873-4608
69 Parker Kenneth J [4]
70 Phillips Donald L & Rita M [21] ▲ 716-876-7144
73 - 74 No Current Listing (2 Hses)
75 Van Danh P [12] ▲
Van Hung
76 Bartnik Helen W [47] ▲
79 Valvo Leatrice J & Leonard R [28] ▲ 716-876-1031
80 Baumgardner Gilbert H [49] ▲
81 Adamczak Kenneth P Sr & Beverly M [29] ▲ 716-873-7616
82 No Current Listing
+ ONTARIO ST INTERSECTS
115 La Marco Ann M [44] ▲ 716-876-5142
La Marco Louis F 716-876-5142
116 Kollmar William G [47] ▲ 716-873-4042
✪ Smith Andrew T
120 Salim Bonnie A [14] ▲
121 No Current Listing
123 Funk Kathleen [20] ▲
126 Delmoral Anabell [5] ▲
Santiago Aneric [11]
127 No Current Listing
128 Eastman Matthew C & Laura S [4]
131 King Susan M [21] ▲ 716-877-0395
132 Epsaro Linda A [8] ▲ 716-877-7813
133 Wright Robert A & Eileen G [29] ▲ 716-876-7319
134 Boldt David [8] ▲ 716-873-4309
Boldt E 716-873-4309
138 Alonso Santos [12] ▲
139 Surdam Leonard P [28] ▲ 716-875-8397

EVELYN ST Cont'd

140 Schihl James J & Barbara A [37] ▲ 716-874-4336
144 Ceryak Louis R Sr & Evelyn R [34] ▲ 716-875-9041
145 Owcarz Stanley C [17] ▲ 716-877-0311
146 Delmoral Wanda I [11] ▲
149 Hageman Deanna L [5] ▲
151 ✪ Blazer Sharon L ▲ ..716-874-2318
Blazer Linda 716-874-2318
153 Pagan Luis [2] ▲ 716-856-9291
HOUSEHOLDS 73

EXCHANGE ST (BUFFALO)-FROM 190 VAN RENSSELAER ST EAST
• ZIP CODE 14203 CAR-RT C003
50 ALLPRO PARKING parking stations & garages 716-855-0737
75 AMTRAK railroads 716-856-2075
• ZIP CODE 14204 CAR-RT C007
186 BARRISTER INFORMATION SYSTEMS info & referral serv 716-845-5171
110 RAILROAD RETIREMENT BOARD railroads 716-551-4141
110 US RAILROAD RETIREMENT BOARD federal government 716-551-4141
+ CHICAGO ST INTERSECTS
+ CHICAGO ST CONTINUES
281 AMERICAN ANGLICAN ENVIRONMENTL billing serv 716-847-1065
RAYFORD ENTERPRISES INC contractors- equip/supl 716-854-3331
289 LAMAR OUTDOOR ADVERTISING advertising-outdoor ..716-852-5791
391 AMREX CHEMICAL CO INC chemicals 716-852-7245
400 GRAPHIC CONTROLS LLC physicians & surgeons equip 716-853-7500
+ RAILROAD CROSSES
+ HAMBURG ST INTERSECTS
• ZIP CODE 14210 CAR-RT C018
567 Labidi Kal [2]
WILD BOKAYS florists-whol 716-853-0201
568 No Current Listing
+ RAILROAD CROSSES
+ RAILROAD CONTINUES
629 KEN'S SPORTS WEARHOUSE INC sportswear-retail 716-854-1667
Rybarczyk Kenneth [6] 716-852-0144
639 K W TEXTILE INC textiles-whol 716-854-7481
650 ALP STEEL CORP steel-structural 716-854-3030
+ LARKIN ST ENDS
+ LARKIN ST CONTINUES
692 Girdlestone Nancy [2]
726 CANNON HEYMAN & WEISS attorneys 716-856-1700
CERTEGY TA-91 nonclassified establishments 716-852-4502
CITY VIEW PROPERTIES INC business mgmt consultants 716-856-8400
LCO BUILDING INC building contractors 716-849-2970
NOVA CASUALTY CO insurance 716-855-1240
PATRICA LYNCH ASSOC nonclassified establishments 716-854-4100
TURN KEY ENVIRONMENTAL RSTRTN envrmntl & ecolgcl serv 716-856-0635
ULRICH MAIL ADVERTISING mailing & shipping serv 716-852-7048
VALLEY CHILD CARE LCO child care serv 716-819-2870
WORK SOURCE ONE nonclassified establishments 716-819-9675
105 SANS SERIF DESIGN advertising 716-845-6166
106 FIRST NIAGARA BANK banks 716-819-5900
110 DOWNTOWN GRAPHICS & PRINTING printers ..716-852-8403
110 RUFFWEAR embroidery 716-854-0701
110 TRI-COUNTY PUBLICATIONS printers 716-505-4362
132 CHAUTAUQUA CAFE restaurants 716-819-2880
200 KALEIDA HEALTH physicians & surgeons 716-887-4180
410 Miller Sandra A [2]
410 ✪ Saurer William Jr
412 TAURUS CAPITAL PARTNERS LLC financial advisory serv 716-566-2990
500 TRAVERS COLLINS & CO advertising 716-842-2222

EXCHANGE ST Cont'd

508 WORLDWIDE EXPRESS delivery serv 716-854-3800
509 WELLS FARGO BANK banks 716-630-4112
510 BUFFALO NEWSPAPER GUILD labor org 716-856-2828
511 SENATOR HILLARY RODHAM CLINTON federal government-police 716-854-9725
512 INSIDE DESIGNS int decrtrs design/consultants ..716-843-8646
518 COMMUNITY HEALTH FOUNDATION charitable institutions 716-852-3030
522 TIME WARNER CABLE tv stations & broadcasting co 716-854-9672
601 CONGRESSMAN BRIAN HIGGINS government offices-us 716-852-3501
605 ION MEDIA nonclassified establishments 716-852-1818
605 WPXJ tv stations & broadcasting co 716-852-1818
606 JONES ENGINEERING engineers 716-853-9233
612 YOUNG ARCHITECTURAL architects 716-842-1800
620 TECHNOLOGY DEVELOPMENT CTR government offices-state 716-636-3626
620 WESTERN NEW YORK TECHNOLOGY business mgmt consultants 716-845-6355
624 BENCHMARK ENVIRONMENTAL CORP envrmntl & ecolgcl serv
630 BUFFALO & ERIE COUNTY WORK FRC employment agencies/opportunit 716-819-9845
632 BUFFALO & ERIE COUNTY WRKFRC county government- genl offices 716-504-1480
700 CAPITAL MANAGEMENT SVC LP collection agencies 716-871-9050
800 KAVINOKY & COOK attorneys 716-845-6000
818 ACCOUNTEMPS employment contractors 716-842-0801
818 OFFICE TEAM employment contractors 716-842-0852
818 ROBERT HALF FINANCE & ACCTNG employment contractors 716-842-6384
818 ROBERT HALF MGMT RESOURCES employment contractors 716-604-9832
820 ICS TELECOM INC telephone equip/supl 716-633-8200
822 BROCK SCHECHTER & POLAKOFF accountants 716-854-5034
822 JAMES GOODMAN GALLERY INC art galleries & dlrs 716-852-3022
822 SPIVACK RANDAL I accountants 716-854-5034
900 FIRST NIAGARA RISK MANAGEMENT insurance 716-819-5500
1000 ✪ Beach Harris
1000 BROTHMAN PHILLIP attorneys 716-200-5050
1000 BUTLER MARK C attorneys 716-200-5050
1000 GLOSE HERBERT J attorneys 716-200-5050
1000 HARRIS BEACH attorneys 716-853-2330
1000 HEAD CHRISTOPHER attorneys 716-200-5050
1000 Heimerl Herbert J III & Maureen H [5]
1000 KRIEGER RICHARD P attorneys 716-200-5050
1000 LAURITA ALAN J attorneys 716-200-5050
1000 LETTIERI PIETRA G attorneys 716-200-5050
1000 LORETTO TERRY attorneys 716-200-5050
1000 MURRAY ROBERT G attorneys 716-200-5050
1000 SCHWARTZ SHARON J attorneys 716-200-5050
1000 STAPELL RAYMOND J attorneys 716-200-5050
1000 TOWNSEND BRADLEE W attorneys 716-200-5050
1000 YUSICK ANDREW D attorneys 716-200-5050
1020 BROKERS MARKETPLACE INC insurance 716-842-0502
1020 NOVA ALTERNATIVE RISK insurance 716-856-3722
+ VAN RENSSELAER ST INTERSECTS
+ HYDRAULIC ST INTERSECTS

STREET GUIDE

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HAMBURG ST 2008

HALSTEAD AVE Cont'd

237 Wlodarczyk Stanley J & Eugenia R [43] ⌂ 716-897-1237
239 Wnuk Felix J & Kathryn A [48] ⌂ 716-894-3249
241 Reichert Theresa & Norman O [30] ⌂ 716-891-8997
243 Hitchcock Joseph J & Janet F [19] ⌂ 716-896-0354
246 White Shane J & Marie C [12] ⌂ 716-894-6586
248 Czerniejewski Madelyn M [14] ⌂ 716-891-8223
Greco James [4] 716-896-2020
250 Zona Denise A [9] ⌂ ..716-892-1646
252 Klubek Stacy M [2]
253 Bystrak Stanley R Jr & Patricia M [47] ⌂ 716-892-2882
256 No Current Listing
259 Ⓦ Carney Paula R
Wozniak Thomas J [2]
262 Hammer Debra A & David J [24] ⌂ 716-897-0122
265 Germann Donald J [5] ⌂
266 Hunter Randy M [5] ⌂
270 Dubaj Rita M [49] ⌂ 716-895-9472
Dubaj Kenneth K 716-895-9472
275 Dubaj Deborah L [28] ⌂ 716-605-0665
Dubaj Michael 716-605-0665
277 Connors James F & Doris M [17] ⌂ 716-893-6624
280 Guminski Alfred S & Frances G [49] ⌂ 716-893-0941
284 No Current Listing
287 Bortz Theodore E [4] ⌂
288 Barzycki Richard L [5] ⌂ 716-893-3147
292 Russo Carl A & Adele A [49] ⌂ 716-895-7622
293 Ⓦ Campo Jennifer R
Maziar Donald M [4] ⌂
295 Kulesz Robert R [5] ⌂ 716-896-1890
Kulesz Tracey A 716-896-1890
298 Tobin Michael P [14] ⌂
Tobin Sandra J
303 Derouche Gary L [3] ⌂ 716-897-3977
304 Pawlikowski Harry [6] 716-894-1334
Pawlikowski Dorothy J 716-894-1334
Slachciak Andrew J II [17] ⌂ 716-894-4606
Slachciak Tabitha 716-894-4606
305 Reardon Misty S [5]
306 No Current Listing
307 Swiatek Christine [7] ⌂ 716-896-1564

+ BROADWAY ST INTERSECTS
BUSINESSES 7 HOUSEHOLDS 111

HAMBURG ST (BUFFALO)
• ZIP CODE 14204 CAR-RT C005

22 Carney Phillis M [23] ⌂
Carney Susan M
32 - 34 No Current Listing (2 Hses)
43 JGM INSTALLATION & SVC CO material handling equip 716-825-8101
TEAM FREIGHT INC trucking 716-854-8326
44 Cook Herbert M IV & Madeline M [15] ⌂ 716-845-0154
50 Cook Thomas H & Nancy L [12] ⌂
73 MC CARTHY'S RESTAURANT bars 716-855-8948
79 Keller Michelle L [21] 716-856-4389
Sulwikowski Mathew [2] 716-858-4374
2 Ⓦ Carney John
81 No Current Listing
85 Nugent Patrick J [18] ⌂ ..716-856-3454
86 McCarthy Patricia L [11] 716-783-7796
McCarthy Philabelle N ..716-783-7796
90 Balester Mary A & Frank C [31] ⌂ 716-852-7857
92 Ⓦ Schreiber Jennifer
94 No Current Listing
96 Ⓦ Hill John C
Mulnix Wesley J & Judyann A [13] ⌂ 716-849-0678
104 Andula David A Jr [15] ⌂ 716-852-6591
108 No Current Listing
125 Griffith Thomas T [7] ..716-853-0528
126 No Current Listing
128 Dyczek Karl J & Mary E [43] ⌂ 716-854-7081
129 No Current Listing
131 Frankhauser Frederick M & Judy A [28] ⌂ 716-852-4773
134 Hartenstein Clarence [18] ⌂ 716-852-7314
Rambeck Debbie [4]
136 No Current Listing

HAMBURG ST Cont'd

139 Rajla James P [19] ⌂ ..716-842-1154
140 Cleary Julie M [44] ⌂ ..716-854-3793
141 No Current Listing
142 Ⓦ House Jeremy
143 Moriarity Maryjo [33] 716-847-0071
Moriarity N 716-847-0071
Scanlon Micheal M & Barbara E [19] ⌂ 716-847-0056
Sunbrum Robert [33] 716-847-0071
Sunbrum Mary E 716-847-0071
144 Casey Thomas M & Kimberly I [23] ⌂ 716-783-7161
145 Catanzaro Patricia M [30] ⌂ 716-852-5255
146 Lovullo Angelo M & Helen [27] ⌂ 716-845-6908
149 Bannister David B & Suzanne E [38] ⌂ 716-849-0143
151 No Current Listing
152 Connors Timothy S & Deborah A [31] ⌂ 716-847-0359
153 No Current Listing
158 Lukomski Dolores F [47] ⌂ 716-854-0317
Lukomski Lorrie 716-854-0317
• ZIP CODE 14204 CAR-RT C008
185 Ⓦ Marcucci Mark N
189 Plaza Gary L Sr [23] ⌂ 716-852-4936
190 Ⓦ Rylowiczruffin Crystal
191 No Current Listing
Gray Mary A [3] 716-855-1079
192 No Current Listing
193 Cullen Michael F & Donna M [21] ⌂
198 No Current Listing
200 Ⓦ McMillen Donna
Olson Ronald F [13] ⌂
202 Mulnix Wesley D [2] ⌂
204 No Current Listing
211 Mann Donald M & Mary T [41] ⌂ 716-856-9731
215 No Current Listing
217 Kozakiewicz Dale A [20] ⌂ 716-854-3039
219 Ⓦ Aponte Jose D
Ⓦ Lopez Eufemia 716-852-2059
220 Sullivan Deborah A [30] ⌂ 716-842-6686
221 - 222 No Current Listing (2 Hses)
224 Piwko Eugene L [9] ⌂ 716-849-0530
225 Ⓦ Alawi Joann
226 Niedzwielki Paul R [24] ⌂ 716-856-1136
228 Taylor Debbie E [6]
230 Fara S [34] 716-856-0883
Geblein Vera M [21]
Walker V [22] 716-842-1775
231 Fox Dawn [3]
233 No Current Listing
234 Rowell Joseph E [13] ⌂
236 Londo William C & Sandra A [24] ⌂ 716-842-0849
267 Ⓦ Chapman Joseph
Ⓦ Cummings Carl
Keeler Stacey A [4]
Keeler Samantha
Klukowfki Teresa [3]
Ⓦ Sopko Stashia
269 Carpino James M [30] ⌂ 716-856-9019
Carpino Kathleen M ..716-856-9019
273 - 275 No Current Listing (2 Hses)
289 PROGRESS FOOD MARKET delicatessens 716-847-2525
291 Ⓦ Flanagan Joseph W Sr & Sharon L ⌂ 716-856-0548
295 Ⓦ Wells Samantha K
297 Ⓦ Steward Tocarra M 716-844-8417
363 DECKS UNLIMITED CONSTRUCTION home improvements 716-845-6020
Lund Richard E Jr & Doris M [13] ⌂
PERMA TECH INC marine equip/ supl- whol 716-854-0707
505 Reno John [9] ⌂
519 MEIER SUPPLY CO refrigerators & freezers-whol 716-853-1291
MESMER REFRIGERATION INC refrigeration equip-truck 716-855-0575
BUSINESSES 8 HOUSEHOLDS 85

HAMILTON ST (BUFFALO)
• ZIP CODE 14207 CAR-RT C019

33 - 41 No Current Listing (2 Hses)
43 McKee John D [16] ⌂ 716-875-7497
McKee Liza A 716-875-7497
61 No Current Listing
62 Crawford Bernadette T [13] ⌂ 716-447-1079
67 No Current Listing
68 Ⓦ Shaw Lanita D 716-873-5051
85 No Current Listing
86 Van Every Joseph R [5]
87 - 89 No Current Listing (2 Hses)

HAMILTON ST Cont'd

90 Ⓦ Bevill Shamon A ⌂
91 - 93 No Current Listing (2 Hses)
96 Benner Charles M & Faith A [22] ⌂ 716-874-8710
100 No Current Listing
101 Willett Dawn L [29] ⌂
105 Smith John E & Linda S [12] ⌂
107 Braun R C [20] 716-877-7440
110 Sundy Gordon D & Darlene D [47] ⌂ 716-875-6234
111 Raymond Sylvia A [5] ⌂
113 Eddy James A [26] ⌂ ..716-875-7477
Eddy Khali M 716-875-7477
114 Enyedy James J Sr & Constance A [16] ⌂
Ⓦ Paprocki Shawn
116 - 132 No Current Listing (2 Hses)
136 Hynes Thomas D [6] ⌂ 716-877-5249
Hynes Daniel 716-877-5249
142 Ⓦ Zirpola Diane L
144 Ⓦ Hernandez Ana
152 Souvannavong Kasy M [23] ⌂
Souvannavong Veota
158 Colwill Carolann A [12] ⌂
HOUSEHOLDS 31

HAMLIN RD (BUFFALO)-FROM 514 WOHLERS AVE EAST
+ LONSDALE RD CONTINUES
• ZIP CODE 14208 CAR-RT C017

2 Porter Edward C & Marian M [30] ⌂ 716-882-2816
5 Hassan Khadijah J [2] ⌂ 716-883-1373
6 No Current Listing
7 Z Fugate Deborah [2] 716-884-7821
9 No Current Listing
10 Locke Archie T & Doris G [20] ⌂ 716-883-5052
11 Harris Hazel L [5] ⌂
14 Martin Kevin X & Joycelynn C [18] ⌂ 716-885-1732
17 Robinson Levorn & Marguerite P [46] ⌂ 716-883-6530
18 Ruff Margaret S & Samuel [31] ⌂ 716-886-6144
19 No Current Listing
20 McClellan Lorraine E [23] ⌂
McClellan Franklin D Jr
24 Wilson Waddelle V [26] ⌂ 716-884-3530
Wilson James E 716-884-3530
25 Croxie Joseph A & Angela Y [23] ⌂ 716-881-2351
27 Walker Dorothey J [30] ⌂
Walker Kenneth
28 Porter Mildred J [47] ⌂ ..716-883-7732
Porter Althea T 716-883-7732
31 Chapman Eruidge C & Olivene M [29] ⌂ 716-881-5489
32 - 35 No Current Listing (2 Hses)
36 Goodwin John T & Marie W [36] ⌂ 716-881-5077
37 Collins Tracey R & Robert L [11] ⌂
Ⓦ Maple Reginald L
38 No Current Listing
41 Dixon Josephus R [30] ⌂ 716-882-0490
42 Price James B & Bobbie J [30] ⌂ 716-882-3466
45 Bowman Leona L [2]
Daniel Frank S & Renee M [3]
46 Hilliard Yvonne G [47] ⌂ 716-884-7768
Hilliard Hortense M 716-884-7768
49 Sease Robert M [2] ⌂
50 Burnett Sylvester & Bennie J [35] ⌂
53 Mack Alfonse [30] ⌂ 716-885-3744
Mack Lynette F 716-885-3744
54 No Current Listing
55 Johnson Lucille [44] ⌂ 716-882-6850
Johnson Curtis Jr 716-882-6850
56 No Current Listing
59 Lee Nathaniel Jr & Beverly A [22] ⌂ 716-882-3160
60 Tate Robert & Sarah B [23] ⌂ 716-883-9161
64 Montague Marjorie C [42] ⌂ 716-883-2726
65 Jacobs Keisha M [10] ⌂
Jacobs Kenneth A
67 Smith Quinton M & Hazle L [14] ⌂ 716-882-6223
68 No Current Listing
70 Fugate Darren R & Deborah F [14] ⌂
71 Wyatt Maynard N & Bettye W [50] ⌂ 716-882-6446
73 Edwards Doris L [5] 716-885-1384
Edwards Friend 716-885-1384
74 Humphrey Alexander C Sr [22] ⌂
Humphrey Shalika T
77 Ⓦ Mahone Mary R
Pridgen Bobby E & Barbara J [32] ⌂ 716-884-1665
78 Ⓦ Thomas-Ford Carla

HAMLIN RD Cont'd

81 Peterson King W & Jannie M [50] ⌂ 716-882-5992
82 No Current Listing
85 Robinson Kenneth N [5] ⌂ 716-885-3051
Robinson Toyna L 716-885-3051
86 Greene Irving J Jr & Mildred [48] ⌂ 716-883-7726
89 Olive John C & Ruby J [34] ⌂ 716-886-0388
90 Leftwich Ida D [27] ⌂ 716-882-5473
93 Ⓦ Fonville Lakisha
94 Dabney Lois B [35] ⌂ 716-886-7847
Dabney Olivia L 716-886-7847
97 Ⓦ Thomas Lori P 716-882-2846
98 Breckenridge Henry W Jr & Barbara S [32] ⌂ 716-885-7215
101 Johnson Horace C [47] ⌂ 716-885-8814
Stanford June J [2]
102 Blassingame Wayne A [43] ⌂ 716-883-7345
Blassingame Delano R 716-883-7345
104 No Current Listing
105 Ⓦ Herrmann Sally A
Therrien Sally J [17] 716-885-2194
Therrien Joseph B 716-885-2194
+ WOHLERS AVE INTERSECTS
114 Ⓦ Colbert Charles A
Colbert Cozette
115 Ⓦ Person Dannie C
117 McCall Landen L Jr & Thelka V [37] ⌂ 716-883-7117
118 Green Mark A II & Pamala C [23] ⌂ 716-881-4685
121 - 125 No Current Listing (3 Hses)
126 Scott Theo A [42] ⌂ 716-886-5219
129 Chapman Catharine C [47] ⌂ 716-884-2504
130 Hatten Dennis J [27] ⌂ 716-885-5305
133 Bailey Jareld S & Leah [7] ⌂
134 Bradley Paula B [30] ⌂ 716-881-4587
Bradley Thedraylin S ..716-881-4587
137 Martin Fannie W [35] ⌂ 716-882-7550
138 Behrens Leah [2] 716-884-0186
Behrens David 716-884-0186
139 Greene Esterphine A [19] ⌂ 716-881-0536
142 Ⓦ Johnson Michelle R
Stokes Tyrone D [14] ..716-885-0440
Stokes Raquel M 716-885-0440
Thompson Rosie M & John A [25] ⌂ 716-881-0078
143 McClary Sandra B [20] ⌂
McClary Jennifer E
144 Ⓦ Holmes L R
147 Clyburn Louise J [18] ⌂ 716-884-0868
148 Frazier Richard Jr & Barbara K [23] ⌂ 716-883-4957
151 Colston Darnell [6] ⌂
Colston Talisha M
152 - 156 No Current Listing (3 Hses)
159 Hedgepeth Wallace J III [11] ⌂
Hedgepeth Wallace II
160 No Current Listing
163 Bryant Starling H [25] ⌂ 716-883-6593
Bryant Marquita 716-883-6593
164 Luther Geraldine [38] ⌂ 716-886-4111
167 Hernandez George E [13] ⌂ 716-881-3087
168 Young Patricia K [2]
Young Larry
171 Coleman-Turner Delores E [16] ⌂ 716-885-6392
172 Curry John R [48] ⌂ 716-882-1704
Curry Lenora Y 716-882-1704
Ⓦ Dees David E
Ⓦ Rhames Joseph C
175 Peoples William E Jr [37] ⌂
Peoples Basil H
178 Howard Charles D & Loretta D [12] ⌂
179 Fears Donald G Sr [27] ⌂
182 Ⓦ Rush Julius 716-886-3179
183 Safford Deborah [2]
184 Davis Kara [47] ⌂ 716-881-3525
Davis David J 716-881-3525
187 No Current Listing
188 Stenhouse Edw J [44] ⌂ 716-882-6807
191 No Current Listing
192 Martin Karl & Linda M [14] ⌂ 716-883-0737
195 Fulks Millicent J [18] ⌂ 716-882-8762
196 McLaurin L [26] ⌂ 716-881-6325
McLaurin Gordon L 716-881-6325
199 No Current Listing
202 McCoy Gyrone E & Katrena M [20] ⌂
203 Fenty Lou E [10] 716-886-8722

HAMLIN RD Cont'd

204 Greer John H & Barbara A [30] ⌂ 716-883-8172
207 Woodard Edythe E [46] ⌂ 716-882-2452
210 Dockery Frances M [22] ⌂ 716-884-3237
Dockery Richard 716-884-3237
Vines Michael O [4]
+ HUMBOLDT PKWY INTERSECTS
HOUSEHOLDS 118

HAMMERSCHMIDT AVE (BUFFALO)-FROM 229 N LEGION DR NORTHEAST
• ZIP CODE 14210 CAR-RT C020

24 White Joseph D & Dorene J [17] ⌂
25 Pici Jason A & Jennifer M [11] ⌂ 716-826-9780
28 Marinaccio Nicholas J [33] ⌂ 716-824-9115
29 Gorski Dorothy A [4]
32 - 35 No Current Listing (2 Hses)
38 Leidolph Michael R [19] ⌂
39 Baldi Cynthia A [4]
40 Collins Athena [2]
42 Runfola Anthony C [9] ⌂ 716-826-2748
43 No Current Listing
44 Insera Pasquale M Sr & Linda A [20] ⌂ 716-824-6582
45 Szwed Jason M & Angela [21] ⌂ 716-825-4393
48 Farrell Ann M & Charles P [23] ⌂ 716-826-2817
49 Bunting Kathleen M [3]
52 Winkelman Michael J & Paula J [28] ⌂ 716-822-1086
53 No Current Listing
54 Pabon Jesse [2] ⌂ 716-881-5827
55 Calkins David J & Gloria J [31] ⌂
59 Smigelski Casey A [2] ⌂
60 Ⓦ Zwetsch Chuck
Zwetsch Matthew E
63 Bankowski George B & Deborah E [32] ⌂ 716-826-3024
64 Borkowski Timothy G & Clarice U [12] ⌂
65 Baldi Michael L Jr & Esther M [21] ⌂ 716-827-0371
68 Rzeznik Margaret J & Christopher R [23] ⌂ 716-824-7587
69 Stulack Robert S & Joan E [37] ⌂ 716-822-5972
72 Ⓦ Potycz Michael
Wylie Gary A [15] ⌂
73 Misener Sandra A [7] ⌂ 716-827-1238
76 Ⓦ Pruott Albert 716-381-9274
Spencer Kelli [2] 716-822-5346
78 Misiak John W [12] ⌂
Ⓦ Wilkins Richard ⌂
79 Ⓦ Bates Shane
Ⓦ Jackson Andrew M
80 Dellaneve Rocco [13] ⌂ 716-825-7597
83 Farrell Robert J & Darlene A [20] ⌂ 716-824-8163
84 No Current Listing
85 Ⓦ Gaiser David C
88 No Current Listing
89 Groff Michael T & Jayne E [23] 716-826-5030
Snyder Peter E Sr [26] ..716-828-0198
90 Denecke Joseph C & Karen A [18] ⌂ 716-827-0632
91 Keller James S & Maryann A [49] ⌂ 716-825-7305
95 Ⓦ Gorman Kristen 716-825-0701
96 Blonski Joanne M [14] ..716-825-1881
Fullone Vincent J & Irene D [22] 716-822-9047
97 Vohwinkel Howard R [21] ⌂ 716-824-4974
Vohwinkel Dorothy A ..716-824-4974
99 Barras William J III [12] 716-821-9049
Mitchell Michael A [10] ..716-824-3159
100 Jahnke Francis J & Frances M [32] ⌂ 716-825-0553
103 Ⓦ Madejrich Carmen S
Young Snowden R Jr & Carla A [12] ⌂
104 Stewart Candice M [3] ⌂
105 Wilkey Linda M [33] ⌂ ..716-822-5777
108 Whalen Gerald T & Ruth M [38] ⌂ 716-824-5984
+ SENECA ST INTERSECTS
HOUSEHOLDS 56

HAMPSHIRE ST (BUFFALO)-FROM 499 14TH ST NORTHEAST
+ BUSTI AVE CONTINUES
+ NIAGARA ST INTERSECTS
• ZIP CODE 14213 CAR-RT C022

32 Ⓦ Martinez Rafael 716-884-0973
36 Darfor Samir [3] 716-882-1652
Hernandez Manuel [3]
37 Soto Alejandrina & Johnny [15] 716-885-3659

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LARKIN ST 2008

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LARCHMONT RD Cont'd

7 Holder Herbert E Jr [15] ☗ 716-835-9488
Holder Stephen D 716-835-9488
9 Danner Mary F [47] ☗ 716-834-5269
11 Long William L & Patricia M [33] ☗
15 Waldron Claire A & David W [19] ☗ 716-834-3084
21 Kirst Michael A [19] ☗ ..716-834-4046
Kirst Alex A 716-834-4046
22 No Current Listing
25 Smythe Mary J [29] ☗
Smythe Garry A
26 Ellerbrock David J [10] ☗
27 Schroeder Sally [2]
Ⓝ Tyus Lacy
30 Masi Charles A & Marie J [23] ☗ 716-837-9220
35 Ⓝ Eisenstein Melissa N
36 Brown Kinzy [11] ☗
Brown Maybell
39 Butt Gretchen L [4] ☗
43 - 49 No Current Listing (3 Hses)
53 Jlaberg Claire A [2] ☗
57 Lamparelli Janet A [44] ☗
61 Pugh Darryl T & Christine A [20] ☗ 716-837-0746
65 Dowd Catherine E [49] ☗ 716-836-7700
69 Lockwood William E & Carol L [27] ☗ 716-833-5612
73 Ⓝ Fleming Ricky C & Karen S ☗ 716-886-7738
81 Joshua Assad [5] 716-832-1158
Richmond Kenneth A & Lyne K [5] ☗ 716-836-4916
82 Lamparelli Paul J & Martha N [23] ☗
87 Benitez John A Sr & Elizabeth [13] ☗
90 Carney Patrick M [2] ☗
91 No Current Listing
93 Ⓝ Clark Vincent D ☗
Clark Ava L
94 Lazarus James A & Ann E [22] ☗ 716-833-6564
98 Swanekamp James E [6] ☗ 716-833-1060
99 Taddeo Laura L [5]
102 Lamantia Stephen R & Roslyn M [34] ☗ 716-836-2382
103 Polino Cosimo H Jr & Anne S [22] ☗ 716-837-9675
104 Ⓝ Alvarez Joshua R ☗
108 Hughes Isabel M & Mark J [14] ☗ 716-834-1079
109 Miles-Kania Catharine L [16] ☗ 716-837-6291
112 Macdonald Janet C [30] ☗ 716-833-5176
115 Crawford Jeffrey A & Gwendolyn [16] ☗
116 No Current Listing
117 Metzger Suzanne [14] ☗ 716-835-3005
Metzger Kelly S 716-835-3005
121 Marzec Raymond E & Laurena M [28] ☗

HOUSEHOLDS 43

LARK ST (BUFFALO)-FROM 34 SIDNEY ST NORTH
• ZIP CODE 14211 CAR-RT C006

14 - 15 No Current Listing (2 Hses)
16 Payne Olivia V [12]
Ⓝ Thompson Dennis
17 Lewis Verna J [27] ☗ 716-897-2719
Lewis Erica M 716-897-2719
19 Trueheart Yolanda Y & Naziera A [16] ☗ 716-896-3940
20 No Current Listing
21 Hill Alberia [46] ☗ 716-894-4577
22 Dean John Jr [48] ☗
Dean Gordon L Sr
25 No Current Listing
26 Hakim Nafisa A [13] ☗
Hakim Rashad L
29 Pompey Mc K [19] ☗ 716-892-4570
Pompey Sharon D 716-892-4570
30 - 35 No Current Listing (4 Hses)
36 Singletary Ella L [47] ☗ ..716-893-3093
Singletary Alward 716-893-3093
37 No Current Listing
38 Brown Robert L [45] ☗ ..716-896-2402
40 Hord William A & Inez R [44] ☗
41 No Current Listing
43 Gist Michael W [3]
44 Whisnant Rose M [12] ☗ 716-893-2146
Whisnant Darius L 716-893-2146
47 Gray Leroy & Gearldin [33]
48 Cooper Emanuel C Jr & Mamie L [31] ☗ 716-892-0356
51 Ⓝ Ellis Princess 716-893-2607
52 E & M ENTERPRISES janitor serv 716-896-3419
Gist Ernestine I [48] ☗
Gist Michael W
53 Minor Joshua J Jr [31] ☗ 716-892-0001

LARK ST Cont'd

55 Naleszkiewicz Bogdan J [5] ☗ 716-896-5259
56 No Current Listing
58 Booker Alexander [35] ..716-892-0577
Ⓝ Burnette Patricia L
Washington Ann [9] 716-895-5298
3 Ⓝ Samuel Autum N
62 Hokes Anna Z [25] ☗ 716-892-9525
Hokes Raleigh P Jr 716-892-9525
74 No Current Listing
77 Hubbard D [25] 716-895-8093
81 Green Shanah R [11]
82 DENLER SHEET METAL INC sheet metal fabricators 716-893-6706
85 No Current Listing
+ NORTHLAND AVE INTERSECTS

BUSINESSES 2 HOUSEHOLDS 39

LARKIN ST (BUFFALO)-FROM 2 ROSEVILLE ST NORTH
• ZIP CODE 14210 CAR-RT C018

189 Edwards Damon T [12] ☗ 716-847-2140
197 No Current Listing
204 COLDEN HILLS INC insulation contractors 716-852-1311
205 - 207 No Current Listing (2 Hses)
211 Horn Richard C Jr & Catherine A [30] ☗
Ⓝ Mailey Stacey A
Mailey Sean S
+ ROSEVILLE ST INTERSECTS
+ EXCHANGE ST INTERSECTS
290 EXCHANGE STREET salvage & surplus merchandise 716-852-2769
UNCLE SAM'S nonclassified establishments 716-852-2309
+ SENECA ST INTERSECTS

BUSINESSES 3 HOUSEHOLDS 6

LARRABEE ST (BUFFALO)
+ HOPKINS ST CONTINUES
• ZIP CODE 14220 CAR-RT C021

12 No Current Listing
16 Koch Adolph F [47] ☗ 716-824-1606
Koch Robert A 716-824-1606

HOUSEHOLDS 2

LASALLE AVE (BUFFALO)-FROM 25 CORDOVA AVE SOUTHEAST
• ZIP CODE 14214 CAR-RT C018

15 BOURGEAULT CONSULTING GROUP consultants- business 716-876-0242
21 BUFFALO TRANSPORT CO trucking 716-834-1090
25 Ⓝ Kidd Johnnie E
Martin Wayne T [7]
29 Agonafer Girma [7] ☗ 716-837-4583
33 Williams Latoya [4]
36 Virgil Denise [11]
37 No Current Listing
40 Steward Alton L [10] 716-836-1013
Steward Dana E 716-836-1013
45 - 48 No Current Listing (2 Hses)
49 TRU MOLD SHOE INC shoes-custom made 716-837-6663
52 Ⓝ Lawrence Melvin 716-835-0331
Sullivan Linda S [7]
56 Motley Arlene C [11] ☗
60 Campbell Jamar A [2]
64 Kent Marilyn J [13]
70 Dillon Alberta Q [5]
74 SCHLARAFFIA BISONIA INC clubs 716-837-3071
78 Ⓝ Foust Judy R 716-835-6248
Mc Coy Samuel J [9] 716-836-5419
Ⓝ Moore Katina 716-837-4154
80 Littler Deborah D [52] ☗ 716-834-4582
89 Williams Lenore E [12]
WUFO radio stations/broadcasting co 716-834-1080
92 Connolly James E & Doreen E [11] 716-838-3876
Qu Yujie [9]
4 Ray Carlyn A [2]
98 Zimmett George P Jr & Judith K [40] 716-833-0653
100 Christopher Darrin D [19] ☗ 716-838-4127
Christopher Mary E 716-838-4127
101 BUFFALO LAKE ERIE WIRELESS cellular telephones ..716-250-2728
106 Wells Daniel I [4]
110 Ervin Michelle Y [13]
Fluker Angel F [6] 716-837-6228
Ⓝ Ross Stethanie
114 Rose Laura J [16]
126 Ⓝ Keeton Tiarra
127 Morgan Jane L & Robert J [14] ☗ 716-835-0410
128 Dillon Josephine L [12] ☗ 716-835-4008
Dillon Tyrone M 716-835-4008
130 Lewis Paula D [23] ☗ ..716-697-7672

LASALLE AVE Cont'd

131 Shivers Samantha J [6] ☗ 716-832-3919
134 No Current Listing
135 Deluca Mark D & Ivonne [12] ☗ 716-862-9313
137 Ⓝ Crosby T R 716-725-0045
140 - 141 No Current Listing (2 Hses)
142 Garvin Lynette A [31] ☗ 716-835-2780
Garvin Dawn C 716-835-2780
148 No Current Listing
152 Powell Evangeline J [7]
153 No Current Listing
154 Hampton Mae H [12] ..716-832-2435
Hampton Earlie M 716-832-2435
155 Groomes Karen L [16] 716-836-1657
157 Anyanwu Hilda [3]
Ⓝ Oni Gabriel
158 Young Gregory D [10] ☗
Young Terrence
162 - 163 No Current Listing (2 Hses)
166 King Lew J & Shawn D [21] ☗
167 Dewer Betty A [14] ☗
Dewer Billy
+ CAMELOT CT BEGINS
169 No Current Listing
172 Hunter Mark E [15] ☗
Hunter Allison M
176 Noble Gregory A & Sandra T [19] ☗
177 No Current Listing
180 Stevenson Mary T [47] ☗ 716-832-1020
Stevenson Allen 716-832-1020
181 Hornung David A & Martha R [34] ☗ 716-837-1028
185 Hollingsworth Earl T [10] ☗
186 Savannah Sharon A [15] ☗
Savannah Victoria L
188 Robertson Khareen [2]
189 Goldsmith Johnny L & Matika T [14] ☗ 716-832-2967
Ⓝ Hayes Juanita 716-893-3945
Stratton M [7] 716-835-7416
192 Williams Patricia A [8] ☗ 716-832-4047
193 Winfrey Mary L [16] ☗ 716-835-5585
196 Rockwell Regina R [5]
1 Ⓝ Hall Shakayla W
197 Carter Jonathan [12] ☗ 716-832-6893
Holmes Shamica K [11] 716-837-9094
200 No Current Listing
201 Blackford Cynthia M [18] ☗ 716-831-1192
Ⓝ Boone Dwayne A
204 Tate Natasha [2]
205 Williams June M [11] ☗
208 Murphy Kathleen K [20] ☗
209 Gayles George H Sr & Diane [33] ☗ 716-834-9579
211 Ⓝ Diaz Carlos A
212 Beebe Lorne N [16] 716-837-6357
Beebe Terry N 716-837-6357
Guenther Elaine B [7] 716-832-2050
216 Ⓝ Rogers Shalesha M
Ⓝ Thomas Carolyn 716-832-3642
217 Ⓝ Brown Annica
220 Morrow Dana R [21] ☗
Morrow Redina
221 Squire Bessie [13] ☗ 716-835-8897
224 Kirker Randy M [10] ☗ 716-831-0929
225 Fletcher Quintin B [24] ☗ 716-834-2086
229 White Terry L [13] ☗
White John H
230 Ⓝ Boileau Lyndsay
+ PARKRIDGE AVE INTERSECTS
+ PARKRIDGE AVE CONTINUES
• ZIP CODE 14215 CAR-RT C022

240 - 241 No Current Listing (2 Hses)
245 Williams Anthony G [16] ☗
246 Wojcik John J [11] ☗
Wojcik Caroline E
249 No Current Listing
250 Ⓝ Stitts Daniell L
253 Ⓝ Davis Rudolph R
254 Crawford Gail S [19] 716-834-3647
Croskery Amason J & Celia J [5]
Ⓝ Evanswilliams Anita L
257 - 258 No Current Listing (2 Hses)
260 Ⓝ Moore Michelle 716-837-0128
263 Brinson Belinda H [28] ☗ 716-834-2347
264 Burke Reginald D [16] ☗
Burke Kimberli N
Ⓝ Jones Tracey
265 Evans Ella M [20] ☗ 716-833-3186
266 - 269 No Current Listing (2 Hses)
272 Kearns Vernon L & Eileen A [41] ☗ 716-834-1560
273 Gross Celestine [32] ..716-835-9045
Gross Annie J 716-835-9045

LASALLE AVE Cont'd

McCall Celestine M [35] ☗ 716-832-8730
Ⓝ Ward Ruth E 716-833-0972
276 Wilson James W [12] ☗ 716-832-6549
Wilson Kenneth C 716-832-6549
277 Williams Lawayne [7]
Williams Shiloh T
280 Jackson Bobbie E [26] ☗ 716-838-6480
Jackson Debora A 716-838-6480
281 Mac Dougall Sydney H [19] ☗ 716-837-1055
Mac Dougall Cameron P 716-837-1055
285 KAY PATTERSON COUNSELING marriage & family counselors 716-838-1236
Patterson Kay M [19] ☗ 716-835-1738
Patterson Marilyn K ..716-835-1738
286 Ⓝ Maxwell Daniel E
290 Ⓝ Goree Natacha
291 Unger Joseph C [41] ☗ 716-834-5849
Unger Francis N 716-834-5849
294 Hakeem Monica N [9] ☗
295 Batchelor Lillion [20] ☗
Batchelor Virginia A
297 Hunt Sharon Y [12] ☗ ..716-862-4289
298 Scibor Wayne S & Diana J [29] ☗
301 - 302 No Current Listing (2 Hses)
305 Johnson Talon M [12] ☗ 716-381-8711
306 Ⓝ Croskery Celia J ..716-834-2338
Ⓝ Schneider Noel ☗
308 Northington Diane L & Alvin G [16] ☗
309 Allen Robert E [13] ☗ ..716-834-1021
313 Hammonds Raychelle L [17] 716-836-1413
314 No Current Listing
317 White Tracey D [18] ☗ 716-835-3216
318 White Joseph & Lavada V [29] ☗ 716-835-2021
321 No Current Listing
322 Dacosta Wendy A [6] ☗ 716-836-1356
Dacosta Saliymah 716-836-1356
325 Conroy Cody [24] ☗ 716-834-0894
Conroy Judith A 716-834-0894
326 No Current Listing
329 Ⓝ Johnson Patrice 716-835-0404
330 Robinson Kevin D [24] ☗ 716-835-7983
333 Harwell Michael & Hazel N [21] ☗ 716-835-3290
334 Barnes Jolly A & Lela T [23] ☗
337 No Current Listing
338 Lightfoot Lloyd W [25] ☗ ....716-832-7912.
+ COMSTOCK AVE INTERSECTS
346 Ⓝ Dao Jessica 716-783-8353
347 No Current Listing
352 Walker Mary E [15] ☗
Walker Bonnie L
353 Herring Ora L [12] ☗
Herring Vershawn M
355 AFFORDABLE REMODELING remodeling & rpr bldg contrs 716-835-9551
Joseph Anthony E [15] ☗ 716-835-9551
Joseph Michelle A 716-835-9551
356 Ⓝ Leon Crosby
360 Hudson Marqueeda D [2]
361 No Current Listing
364 Mills Edward & Annette [11] ☗
365 No Current Listing
367 Dickinson Aterah J Sr & Teresa A [17] ☗ 716-833-8317
368 Andolina Sylvia A [14] ☗
Andolina Mamie C
371 Rogers Louis Jr [20] ☗
Rogers Louis J II
372 Migliore Alfanzina M [16] ☗
376 Robinson Kaamalal [5]
377 Booze Ingrid [13]
Booze Rosanna
380 Ⓝ Lee Yeoney
381 Ⓝ Griggs Andrew 716-837-3616
Morse Gina A [4] 716-603-9610
382 Ware Ski Y [34] ☗
385 - 386 No Current Listing (2 Hses)
389 Shanklin Jerome [14] ☗ 716-832-5942
Shanklin Claudette M ..716-832-5942
390 McMillan Karen [13] ☗
McMillan Kim W
393 No Current Listing
394 Lofton Jamel [3]
396 Benson April D [4]
397 Allen Reginald & Sandra P [12] ☗ 716-833-6734
399 Page Carmen D [4] ☗ 716-885-1983
400 Middleton Yuldonna V & Martin J [15] ☗

LASALLE AVE Cont'd

403 Dickson Monica L [13] ☗
404 No Current Listing
405 Ray Sharata Y [9] ☗
Ray Markeshia S
406 Brooks Trula G [15]
409 No Current Listing
410 Svec Steven A [6] ☗ 716-832-6198
413 No Current Listing
414 Jones Theresa A [16] ☗
415 Brown Curtis T [11] ☗
416 Clark Elizabeth H [5] ..716-832-0568
417 Ⓝ Burkhardt Jacob
420 Copeland Carlyicha K [12] ☗
Ⓝ Jett Kenya
423 Zinnerstrom Charles E & Karen H [43] ☗ 716-835-9116
424 No Current Listing
425 Watkins Donyhal M [10] ☗
426 Ⓝ Alford Tommie 716-381-9050
429 James Chinnia T [8]
430 Ⓝ Dockery Kelly D ☗
432 No Current Listing
433 Durant Shelbert A & Desiree J [24] ☗
+ BAILEY AVE INTERSECTS
511 No Current Listing
515 Gayles Walter Jr & Lydia M [9] ☗
517 No Current Listing
518 Ⓝ Hadjesfandiari Alireza
Mebratu Belete K [6]
519 Schrader Sherill E [44] ☗ 716-836-8704
522 Ⓝ Rozier Eric
523 Graves Nikia M [13] ☗
524 - 526 No Current Listing (2 Hses)
527 Reese Patricia G [8] ☗ 716-832-6281
Reese Beyan P 716-832-6281
530 Wilson Tiffany L [2] ☗
Wilson Terrell L
531 Myles Carol [27]
532 No Current Listing
533 Shackelford Earl W & Maria M [14] ☗
534 Ⓝ Griffith Angela M
537 Harrison Erika L [4] ☗
538 Ⓝ Jacobs Rosalind
541 - 542 No Current Listing (2 Hses)
543 Hunt Lorraine B [38] ☗ 716-834-0395
544 Montes Maria C [10]
547 No Current Listing
548 Reed Katherine & Alonzo J [29] ☗ 716-833-7315
549 Moore Anita G [13] 716-897-2090
550 No Current Listing
553 Yancey Charis N [2]
554 Freeman Mark M & Charisse M [14] ☗ 716-833-1014
555 Ⓝ Watkins Isiah I 716-332-9288
Watkins Addie 716-332-9288
556 Ⓝ Raynor Tia C
559 Hilbert Nita I [12] ☗
560 - 562 No Current Listing (2 Hses)
563 Kukreja Ravi [2]
Sindhu H [4] 716-837-9470
566 Barney Karnise L [7]
567 Lockwood Dale H [18] ☗
570 Ⓝ Bernard Gloria
Bernard Rudolph
+ SUFFOLK ST INTERSECTS
577 Ⓝ Hester Regina A
578 Adamson Stanley L & Mary H [13] ☗
581 Ⓝ Adams Niama
Ⓝ Atkinson Charles L
Atkinson Niama
582 Thomas Eric L [14] 716-836-4051
583 Grant Herman J Jr & Kathie M [8] ☗ 716-835-5013
584 Banks Judy S & James R [12] ☗ 716-834-0375
587 No Current Listing
588 Burley Guy E [2] ☗
589 Wilkerson Valentino [3] 716-835-0686
590 Solomon Cynthia S [12] ☗ 716-832-0130
593 - 594 No Current Listing (2 Hses)
595 Lynch Marcia L [5]
596 Davis Sophia [2]
Davis Burnetta
599 No Current Listing
600 Ⓝ Ervin Tasha 716-832-3001
601 No Current Listing
602 Ⓝ Edwards Sharece N
Rand Nicole [9] 716-833-4010
605 Ingram Kubillah S [7] ☗
Sanders Bridgette R [12]
606 No Current Listing
607 Baldwin Vicki L [12]
608 No Current Listing
611 Ⓝ Barnes Charlita A & Dion L ☗
612 Phillip Nicole [3]
614 Watkins Darryl [2] ....716-602-3017.
615 Ⓝ Kelley Charles E
Reese Antione [9]
Reese Latoya D
617 No Current Listing
618 Pareja Antonio [10] ☗ ..716-831-8829
619 No Current Listing

STREET GUIDE

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EXCHANGE ST 2001

ERSKINE AVE (B)

Lockwood Cynthia L [9]+
30Ⓝ Hutchinson C D 838-1759
31 A1 Brazelton Kenneth [9]+ .....
..... 838-6283
A1 Brazelton Chris D.. 838-6283
32 Green Callie [8]
35 Robinson Alice [9]+ 836-2658
A1 Not Verified
A2 Mingo Tiffany S [4]. 834-2945
36 Barker John B [9]+ 832-3043
Barker Gwendolyn..... 832-3043
39 Duckett Worthy J [7] 833-9422
40Ⓝ Slayton Rufus..... 837-2075
41 Young Latonya [2]..... 837-3971
1 Not Verified
45 Maston Shack [8]
Maston Bernice N
2 Not Verified
46 Not Verified
46 Kennedy Laina A [4]..... 836-5935
49 Harris James R [7]
Harris Wanda D
1-2 Not Verified (2 Apts)
50Ⓝ Lewis Michael..... 836-8649
56 10Ⓝ Lowe Delores D
57 Holmes Minnie J [9]+ ... 832-2755
Holmes Beatrice J 832-2755
60 Funderburk Alexander [3]
63Ⓝ Cornelious W M..... 835-9664
64Ⓝ Norman Victor E..... 836-2851
67 Conner Joe R [9]+ 837-1072
73 Jagoe E [2]..... 834-5499
74 Not Verified
78 Boyd Regina D [9]+
+SUFFOLK ST INTERSECTS
+HAZELWOOD AVE ENDS
+EDISON AVE INTERSECTS
HOUSEHOLDS 36

ESSEX LN (BUFFALO)-FROM 349 CLINTON ST NORTH

· ZIP CODE 14204 CAR-RT C010

2 Coleman Francis N [9]+ .. 854-8527
3 Taylor Alfonso G [4]
4 Not Verified
5 Price Dorothy [9]+..... 854-8649
Price Kenneth P..... 854-8649
6 Not Verified
7 Hill Daemion R [3]..... 852-0631
Hill Lekisha R..... 852-0631
8 Hainesworth J [2]..... 852-1654
9 Young Ardell [9]+
Young Terrence L
10 Mathis Lois A [9]+..... 856-4463
11 Tatum Jerome A [9]+..... 842-0541
Tatum Dora..... 842-0541
12 Brown Myrtle L [9]+.....
Brown Samuel H..... 856-2766
13Ⓝ Noble B 852-8660
14 Hall Sherry N [9]+..... 842-2503
16 Brackett Percy J Jr [8]..... 856-5715
Brackett Bama..... 856-5715
17Ⓝ Cooper A 847-0143
18 Nelson B A [5]..... 852-7233
19 Tarry William H [9]+..... 856-9609
HOUSEHOLDS 17

ESSEX ST (BUFFALO)-FROM 551 RHODE ISLAND ST NORTHWEST

· ZIP CODE 14213 CAR-RT C012

6 1-3 Not Verified (2 Apts)
24 Didomenico Jeffrey P [8]... 883-3154
Hodosy E J [2] 883-9217
Hodosy J [2]..... 881-6954
HODOSY EUGENE management
consit serv 883-9217
HODOSY HANSEN INTERIORS
geni remodeling 883-9217
28 Sears Graham M [5]..... 884-7289
30 ASHFORD HOLLOW FOUNDATION
OFFICE services..... 886-3616
BIG ORBIT GALLERY amusement
recreactn 883-3209
Griffis Larry W [2]..... 883-2066
30 Not Verified
F Not Verified
31 Monaco Roxceene C [4].... 884-1148
32 Lascola August J [9]+..... 884-6432
Lascola Barbara L..... 884-6432
Tambata Koji [2]..... 883-3763
32 c Malfa Sonia M [3]
36 A A A ACTION COIN PHONE pay tel
netwk..... 885-5884
ACTION LOCKSMITH locksmith
shop 885-5884
COINTEL PUBLIC
COMMUNICATIONS
..... 885-5884
37 Keohane Stephen B [9]+
Keohane Gary P
38 Not Verified
38 NOWAK HOME IMPROVEMENTS
sngle-fam remodelng.... 830-6118
Wlodarczyk Rose M [3]
39Ⓝ Good Terri L..... 883-0529
41 Spinelli Patricia A [7]
42Ⓝ Italiano D H..... 883-2044
O'Mara Parker [2]..... 886-0168
43 Malkiewicz Elizabeth M [6]
..... 886-0530
Malkiewicz June M..... 886-0530
44Ⓝ Deal J F..... 886-4945
45 Oliver Keith E [2]..... 886-0233
Whetstone Tameka L [3]
45½ Not Verified
46 Tortora Vincent A II [3]..... 886-8264
46½ Young Christian [4]..... 884-9163
48 Not Verified
49 Burgess Jean [2]..... 885-0942
49½Ⓝ Wesolowski Michael J
51 Johansson J [3]..... 883-5180
+MASSACHUSETTS AVE INTERSECTS
BUSINESSES 8 HOUSEHOLDS 31

EUCLID AVE (BUFFALO)-FROM 1041 WALDEN AVE NORTH

· ZIP CODE 14211 CAR-RT C003

14Ⓝ Kantara Mariama..... 894-6641

EUCLID AVE (B)

16 Blarr Timothy [2]..... 895-2277
Nazario Robert J [5] 894-8894
Nazario Rebecca K..... 894-8894
19 Dickson Susan L [3]
Tryon Alan [2]..... 897-9428
Woods Daniel J [2]..... 892-9386
20 Duvall Timothy J [9]+ 892-8290
Meyer Bobbie J [2]..... 892-0019
22 Brooks John E [2]..... 894-6733
Curry Lederise N [3]
23 Burch Cassandra [4]
McManus Erin L [2]..... 893-7943
24 Kent-Chojnicki Kimberly K [6]
25 Noviak Francis T [2]..... 893-8015
2 Not Verified
26 Graham Shirley J [9]+
27 Nowak Larry [2]..... 897-2688
ⓃPirri Nowak Claudia . 897-2688
28 Williams S [2]..... 894-6658
29 Szatkowski Irene M [9]+ .....
..... 894-7090
30 Nicosia Kimberley A [7]..... 895-3576
32-38 Not Verified (3 Hses)
41 Hoysick Susan A [9]+..... 897-0364
42 Sparacino S A [2]..... 892-3003
49 Rutkowski Jason T [9]+ 897-2721
51 Knoll D C [4]..... 895-8245
Knoll Clare T..... 895-8245
Rasrawaky Mark [2]..... 895-2494
52 Haen George [2]..... 895-7341
Izard-Haen Kimberly R [4]
Jones J M [2]..... 895-6386
53Ⓝ Eigenman Robert H..... 893-3739
Weckbecker Norm P [2]
..... 896-3442
56 Ayer E [2]..... 897-0798
59 Shaw Richard R [7] 896-9563
1 Not Verified
60 Fairchild Lawrence E [4]... 891-9784
Hacker Kimberlee [2].... 892-7626
61 Staszkiw Michael P [9]+ .....
..... 896-2703
62 Bohn Alexander [2]..... 895-9411
Mohl Joan [2]..... 895-2503
Wilson Mark A Sr [9]+
63Ⓝ Lajoie Leon..... 893-6721
65 Papisz Mary [2]..... 893-4240
ⓃSutton Chip R..... 896-6589
66 6 Wegler Gertruda G [9]+
..... 892-3536
6 Wegler Christina..... 892-3536
70 Rousseau Dawn [2]..... 893-3619
Seidel L [5]..... 893-9124
73 Irwin-Cerone J [2]..... 894-4899
Teufel Jeffrey W [9]+
Teufel Laura L
74 Cantafio Joseph R [2]..... 892-9326
Kunzman Linda S [2]... 894-9932
77 Gammack Gerald A & Dawn [9]+
ⓃWeaver Diane M
81 Dzierba Charlotte T [9]+
..... 893-2047
+DOAT ST INTERSECTS
HOUSEHOLDS 56

EUCLID PL (BUFFALO)-FROM 874 S PARK AVE NORTHEAST

· ZIP CODE 14210 CAR-RT C017

12 Patrizi Ziby F [9]+..... 828-0663
Patrizi Susan G..... 828-0663
13 Griffin James M [5]..... 823-2658
Griffin Eileen P..... 823-2658
Rodriguez L [2]..... 824-9170
16 Rebura Margaret L [9]+
Rebura Christina M
18 Franks Michael [9]+ 823-4369
Franks Sophia M..... 823-4369
Orcutt Shannon [2]..... 894-4582
19 Blasak Ida M [9]+
20 Pitz Rose Mary [9]+ 824-6129
Pitz James J 824-6129
24 Bernobich J [2]..... 826-4582
Maskulinski Caroline F [7]
..... 824-5304
26 Lynch Arthur W [9]+ 826-6257
30 Donovan L [2]..... 826-2397
Kozub Kelly [2]..... 825-6298
McGroarty P J [2] 824-4476
Stuchal Joey L [3]..... 822-1456
32 Busch Curtis J [9]+
+PRENATT ST BEGINS
39 Crouse Jacqueline [2]..... 826-9751
40 Carroll Michael [3]..... 826-1478
Weiss Loretta [2]..... 825-3299
43-44 Not Verified (2 Hses)
45 A1 Cutler Jerrie A [3]
46 Harris Linda I [3]..... 822-5374
49ⓃPrenzlin Glenn 828-2375
50 Hillyard Donald F [9]+ 823-4168
Hillyard Paul G..... 823-4168
51-52 Not Verified (2 Hses)
55 Hillyard Gary M [9]+
Hillyard Richard E
56 Not Verified
58Ⓝ Racki N..... 824-4636
60ⓃFrankhauser Genevieve .. 824-3402
+ELK ST INTERSECTS
HOUSEHOLDS 31

EUGENE AVE (BUFFALO)-FROM 108 HINMAN AVE

· ZIP CODE 14216 CAR-RT C026

5 Pirri Benedict F [2]..... 873-4430
20 Not Verified
21 Quirk John J Jr [9]+
24 Not Verified
25 2 Not Verified
29Ⓝ Brodzik Leon C..... 873-2344
30 Pieri Jack R [3]..... 875-1643
Pieri John R..... 875-1643
34 Caruana A [2]..... 876-0732
Reardon Marquerite M [9]+
..... 875-9692
35Ⓝ Fish Eugene H..... 877-1845
37 Not Verified
38 Leonardi Romano & Anna [9]+
..... 877-8015
41 Not Verified

EUGENE AVE (B)

42 Follett P [3]..... 447-1529
+RAMSDELL AVE INTERSECTS
50 Pirri Patricia O [9]+ 873-4430
Pirri Anthony L..... 873-4430
51-54 Not Verified (2 Hses)
57Ⓝ Arial Donald E Jr 877-1078
1-2 Not Verified (2 Apts)
62-63 Not Verified (2 Hses)
65Ⓝ Stein L J..... 874-3975
66 Troy Barbara L [4] 447-0058
Troy Thomas M..... 447-0058
69 Bridger Florence M & Edward [9]+
..... 875-3032
75 Rovillo Michael [4]..... 871-0062
Rummings Rachele M [2]
..... 873-7381
+KENMORE AVE INTERSECTS
HOUSEHOLDS 27

EUREKA PL (BUFFALO)-FROM 333 SYCAMORE ST NORTHWEST

· ZIP CODE 14204 CAR-RT C021

19 Pitts Virginia R [9]+ .....
23 Baker Z [2]..... 852-3884
ⓃWarren Sonny..... 853-5789
24 Funderburk Michelle [9]+
25Ⓝ Byrd Eddie J Jr
Byrd Lolita
Jackson Lamona [2] 852-3848
ⓃMoss Curtiss
27Ⓝ Rice W..... 856-8519
37 Edwards Margaret A [9]+ .....
..... 847-2583
Edwards Leon D Sr 847-2583
43 Not Verified
49 Jackson William E [9]+ ... 854-7509
53 Not Verified
57 Morey Martin D & Shirley [9]+
65 Crawford Michael P [7]
67 Not Verified
+GENESEE ST INTERSECTS
HOUSEHOLDS 15

EVADENE ST (BUFFALO)-FROM 149 ENGLEWOOD AVE NORTHEAST

· ZIP CODE 14214 CAR-RT C022

14Ⓝ Clark Meaghan..... 834-2774
Soboleski Brett [4]
ⓃWilliams M..... 833-6392
A1 Galloway James B [3]
17 Baldwin Lesha L [8] 837-8986
Baldwin Anthony A..... 837-8986
ⓃBalwin Anthony
18 Not Verified
21 Szabo Louis S [6] 837-2027
22Ⓝ Lape Edward..... 836-2980
25 Sweeney Claudia J [9]+ .....
..... 836-8233
Sweeney Martin N..... 836-8233
26 Roth Marcia J [5]..... 836-9755
27 Vitello Angela M [8] 837-9848
Vitello Mary D..... 837-9848
UPR Not Verified
28Ⓝ Topor Patrick..... 832-0783
+MONTROSE AVE INTERSECTS
HOUSEHOLDS 14

EXCHANGE ST (BUFFALO)-FROM 2 UPPER EAST LN EAST

+MAIN ST INTERSECTS
+WASHINGTON ST INTERSECTS
· ZIP CODE 14203 CAR-RT C007

50 SENTRY PARKING parking lots
..... 855-0737
75 AMTRAK passenger rail trans
..... 856-2075
+MICHIGAN AVE INTERSECTS
· ZIP CODE 14204 CAR-RT C007
253 C W P D TRUCKING local trucking
..... 852-7029
281 AMERICAN ANGLICAN ENVIRONMENTAL 847-0150
RAYFORD ENTERPRISES
..... 854-3331
+LOUISIANA ST INTERSECTS
391 CHEMICAL ASSOCIATES promotion serv 852-7245
STETSON CHEMICALS chemical prodts 852-7245
+RAILROAD CROSSES
+HAMBURG ST INTERSECTS
· ZIP CODE 14210 CAR-RT C018
567 ALEXANDRIA BAY TRADING COMPANY gift shop.... 856-1324
BEDS & STUFF furn stores
..... 856-4400
Kutrybala Michael F [9]+
PO-CHEDLEY R C apts
..... 856-4400
WATERBED LIQUIDATORS
waterbeds/accessories
..... 856-4585
568 BOWDEN MARY..... 855-2645
Potycz Linda [9]+ 842-8622
Potycz Steve..... 842-8622
639 K W TEXTILE manboys clothg
..... 854-7481
OTIS BED MFG COMPANY
..... 588-6847
650 A L P STEEL fab structural mtl
..... 854-3030
+LARKIN ST INTERSECTS
692 G B L FREIGHT FORWARDERS job training 856-0353
+VAN RENSSELAER ST INTERSECTS
801 COLAD GROUP promotional prtg
..... 961-1776
+GROSVENOR ST BEGINS
· ZIP CODE 14210 CAR-RT C002
927 Not Verified
+RAILROAD CONTINUES
+SMITH ST INTERSECTS
929 Nowicki Alan J [9]+ 822-6018
Nowicki Maryann A..... 822-6018
931 Not Verified
933 Kania Jacqueline [2]..... 821-9503

EXCHANGE ST (B)

Kulik Jacqueline A [5]
Kulik Thomas F
50 Pirri Patricia O [9]+ .....
Vogel Colleen M [8]
..... 823-3425
+ANDREW ALY ENDS
936 Not Verified
939Ⓝ Szyszkowski M J..... 824-7403
941 Doyle Joseph A [3]..... 828-0564
+SORDYL ALY ENDS
949 Eschberger Michael M [5]
..... 826-1862
961Ⓝ Debski Carl E..... 823-1519
963 Starr Rosalie M [9]+
Zglinicki Eugene H [2].. 824-5171
+DAYTONA PL ENDS
969 4 Not Verified
979Ⓝ Lorenzo Jose 828-0012
981 Kinkade Charlotte L [9]+ .....
Kinkade Phillip D..... 825-8734
..... 825-8734
983 Beutler Richard J Jr [6] .....
..... 825-8209
2 Not Verified
991Ⓝ Herbeck Kyle..... 827-8918
995 Thiry John A [5]..... 825-6427
Thiry Dawn M..... 825-6427
997 Starzynski Anthony W & Margaret [9]+ 822-8304
999Ⓝ James Anthony D..... 823-2163
James Jennifer M..... 823-2163
1001 Bastedo Donald [2]..... 824-7917
2 Not Verified
+SELKIRK ST ENDS
BUSINESSES 17 HOUSEHOLDS 26

EXETER CT (BUFFALO)-FROM 111 HIGHVIEW RD NORTHEAST

· ZIP CODE 14215 CAR-RT C034

1 Minsky Mary E [4]
3 Davis Martin E & Maryann [9]+ .....
..... 838-5284
4 Kirk Charles H & Elizabeth [5] .....
..... 838-8254
CN Not Verified
5 Not Verified
6 Mundy Paul E [9]+ 833-4364
7Ⓝ Hannotte James A..... 837-8146
8 Boyd David A & Lorene [9]+ .....
..... 835-8067
9 Nachbar Robert B [7] 837-1905
Nachbar Judith A..... 837-1905
HOUSEHOLDS 9

FAIRCHILD PL (BUFFALO)-FROM 573 LINDEN AVE NORTH

· ZIP CODE 14216 CAR-RT C013

1 Pennington H [2]..... 877-5920
ⓃRieth Hermann..... 873-2154
2 Pelonero Francine N [9]+ .....
..... 875-2821
Pelonero James P..... 875-2821
3 Calandra Michael S [2]..... 873-6001
5 De Fabio Harvey Ann [2].... 875-0220
Popko Constantine [9]+ .....
..... 875-5377
Popko Helen D..... 875-5377
6 Filippo Michael S [2]..... 875-0140
Sanfilippo Michael A [5]
2 Not Verified
9 Hoegerle Heinrich J [9]+ 877-3255
10Ⓝ Rossitto Dominic A..... 873-5971
15Ⓝ Corcoran Eugene..... 873-1627
16Ⓝ Cervi Shannon 873-1501
Monkelban Brian [2]..... 873-5840
17Ⓝ Monteleone Rosalia 874-6608
18 Yohalashet Yalew A [4] 876-1145
19 Fitzgibbons T [2]..... 877-7032
Jackman Michael C & Jocelyn [9]+
..... 874-3833
20 Ippouto Salvatore [2]..... 876-4866
Lemendola Marie [3]..... 871-1267
UPR ⓃZimerman Jethro L
23 Stutzman Magdaline E [8]. 875-2694
Stutzman Nicole M..... 875-2694
24 Petruzzi David A & Donna [9]+ .....
27 Hawthorne Robert F [2].... 874-7548
Luterek Matthew C Sr [2]
..... 874-0848
1ⓃLuterek Matthew C
28Ⓝ General D..... 871-1960
29 Evans Kenneth M & Ellen [9]+ .....
..... 875-2829
30 Griffith Barbara [2]..... 447-0383
33 Queen J [2]..... 877-7014
+TIOGA ST BEGINS
37 Housman R F [2]..... 875-7559
Roeder Raymond E & Alice [9]+ .....
..... 873-6074
39 Zwolski Louise A [9]+ .....
40 Flores R [2]..... 877-5236
Palmisano Peter & Catherine [9]+
.....
1 Roche Josephine [5]. 877-3984
2ⓃFlores Robert A
43 Campisi Theresa A [9]+ .....
..... 873-4777
44 Not Verified
45 Tirone Serena & Stefano [9]+ .....
..... 873-7108
48 Schwenkbeck Duff J [3]
Schwenkbeck Francesca T
49 Santoro Margaret R [9]+ .....
..... 873-3739
2 Featherstone Ronald A [5]
2 Featherstone Patricia M
52 Puma Albert M [9]+ 873-2829
53 Martinelli Andre F [3]
Martinelli Diane C
54 Venezia Joseph A [6]
57 Leona M [5]..... 874-5034
TRANSFORM REMODELING sngle-fam remodelng .. 874-5034
58Ⓝ Ortolano S..... 876-5252
59 Hydock Glenn R [3]
Hydock Diane L
62 Bruno Leonard [8] 871-9605
63Ⓝ Burke-Thomas M..... 873-5160
65 Mierzwa Alfreda A [9]+ 876-4147

FAIRCHILD PL (B)

66 Frazier Joanne [4] 875-8712
68Ⓝ Twagilimana Aimable..... 447-0897
+DAKOTA ST BEGINS
69 Not Verified
71 Officer Antionette B [4]
75 Gilliam Rita M [9]+
78 Donoghue Rory [2]..... 875-1862
ⓃGlosser Kathleen
ⓃLazik Emily C
Murray Marcia [2]..... 873-3747
79 Deperro Kelly M [5]..... 874-1861
Petrillo A [2]..... 877-6184
83 Aldridge Mary Ellen [9]+ .....
..... 877-2050
Aldridge Elizabeth A 877-2050
Aldridge Elizabeth [2] 873-6646
Di Martino J [2]..... 875-0525
2 Not Verified
84 Freeman Albert T & Mary [9]+ .....
85Ⓝ Battaglia Joseph..... 875-6689
Cognato Peter [2]..... 874-4984
88 Durning Dolly I [9]+ 877-1568
Durning Zelda D..... 877-1568
89 Sciortino Paul J & Carol [9]+ .....
..... 871-9550
91Ⓝ Dimarco J..... 873-0949
92 Kubik Gregory A & Kim [9]+ .....
95 Falzone M [2]..... 874-8261
Lyons James M [7] .. 874-1409
Lyons Marianela J 874-1409
1 Not Verified
96 Walsh S [2]..... 447-0010
UPRⓃBogdan Jason S
..... 447-0791
98 Ford Loyd A [2]..... 873-5867
ⓃSteffans R..... 871-5770
102 1 Not Verified
+HERTEL AVE INTERSECTS
BUSINESSES 1 HOUSEHOLDS 82

FAIRFIELD AVE (BUFFALO)-FROM 2519 MAIN ST NORTH

· ZIP CODE 14214 CAR-RT C009

11 Given K [2]..... 832-8671
14 Laduca Paul [2]..... 837-1935
Turner Craig W [2]..... 836-0921
2 Not Verified
16 Clarke Allan M [2]..... 832-9833
Martone Peter [3]
18 Lavett Steven C [9]+ 832-3470
22 Hellriegel Sue [9]+ 833-4605
Hellriegel Elizabeth M.. 833-4605
24 Fechter Maryanne M [9]+ .....
..... 834-3172
Wilkowski S [2]..... 832-8848
25 Hare Marie E [9]+
Hare Michelle D
28 Bradley Rejane W [9]+ 837-2502
2 Not Verified
34 Battaglia Erika H [5]
Brown Jacqueline [2].... 832-1345
2 Not Verified
35-36 Not Verified (2 Hses)
40 Safford Legrand D [3]
Safford Rebekah D
41 Brost Lorraine A [4]
42ⓃBoardman Daniel J
Stokes Marcel [2]..... 831-9860
Zindle P [2]..... 835-6676
1 Not Verified
44Ⓝ Schlegel Marc..... 836-7254
50Ⓝ Crouch Lisa 837-3006
54 Marinello Lisa [2]..... 832-4481
Walsh Bridget A [3]..... 833-6551
+ORCHARD PL ENDS
57Ⓝ Mc Carthy Jil..... 834-2214
59Ⓝ Mills Jeffrey L..... 835-4696
60 Morley Frederick C [9]+ .....
62Ⓝ Watrous L V..... 832-5588
63 Bishop Lacheri [2]..... 862-9356
Murray Arlene [3]..... 836-9698
Turner Tanya [2]..... 838-2916
2 Not Verified
68 Ring Marie C [5]..... 837-8663
69 Joseph James F [5]
Kekenberg Mary [2]..... 837-7230
70Ⓝ Dolan D..... 862-3873
71 McDermid Edward J III [9]+ .....
72Ⓝ Blackford Cynthia M..... 831-1192
1 Not Verified
73 McGaha Kurt [4]..... 838-8308
Wienberg Fred [2]..... 835-9089
75 Radar Peter M [9]+
Radar Leslie
76 2Ⓝ Tufillaro Michael R
78 Cox Courtney A [4]..... 838-8324
82 Bridges Carolyn [9]+
Bridges Terence G
Kelley Gary [2]..... 836-4263
84 Monachino C R [2]..... 833-0450
Nellany Edward J [9]+ .....
..... 835-4386
88Ⓝ Dangleis Therese J
+VERNON PL ENDS
92Ⓝ Severyn Matthew..... 837-2445
94 Kopaskie Mary S [9]+ 835-3249
98Ⓝ Gallagher A..... 835-9004
100 Procyshyn Frank R [9]+ .....
103Ⓝ Ryan Jon A..... 834-2987
104 Jackson Frances G [9]+ .....
..... 835-9583
Schwenkbeck Francesca T
105Ⓝ Ryder David..... 838-5709
108 Brooks Timothy [4]..... 834-8905
Lewars M [2]..... 862-0909
107 Perl Thomas P [9]+ 832-4195
109 Notaro Donald V & Celeste [9]+ .....
..... 836-1590
110Ⓝ Graves Andre L
112 Charles Anne R [9]+ 832-4926
Danielson A [2]..... 835-4194
116 Not Verified
122 Ferro Vincent [2]..... 833-2596
Rowe Patrick L [6]
Shih Stanley L [3]..... 833-6727
124 Drake Shirley L [5]
Drake Brian E
ⓉTisdale Nicole..... 834-4811
1 Not Verified
132 Miller David R [9]+

HAMBURG ST 2001

HALSTEAD AVE (B)

121 Smith Robert W [3] 896-6008
Smith Debra M 896-6008
122 Szymankiewicz Michael J & Jacqueline [6] 895-8448
123 Bethin Daniel [2] 896-1570
Klima J [3] 896-6041
MAGIC MOMENTS PICTURE GIFTS gifts'novelties 896-1570
Ross Amy [2] 695-4575
124 Sakevich Douglas [2] 826-2907
133 Szemenciak Peter [9]+ 893-7799
Szemenciak Celestine .. 893-7799
134 Germain Monika [2] 894-9574
Skipworth Debbie [2] 896-6771
Whiting Deborah A [6] 896-8096
A2 Jankowski Daniel R [3]
140 SLOAN VILLAGE SENIOR CITIZENS' CTR O 897-1389
141 Owen Donald D [9]+ 896-1036
Owen Thomas H 896-1036
143Ⓝ Edwards Vicky M
Sobczynski Kenneth [2] 895-3179
153 Beagle Colleen M [3]
159Ⓝ Murphy Sharon 896-5519
165Ⓝ Barry E K 894-1911
WOODROW WILSON ELEMENTARY SCHOOL 891-6419
166 CHEEKTOWAGA SLOAN SCHOOL DIST ADMN OFCS 891-6402
WOODROW WILSON ELEMENTARY SCHOOL elementary'secondary s 891-6419
167 Arricale Vivian F [9]+ 893-5904
Arricale Edward N 893-5904
+REIMAN ST INTERSECTS
189 Green L [2] 896-2619
Lebarron Patricia A [9]+ 896-1924
Walkow Joseph M [9]+
Walkow Patricia A
190 Piskunowicz Suzanne [9]+ 893-3787
191 McMahon Jeffrey T [3] 893-3550
McMahon Cary A 893-3550
Reiman Robert [2] 823-5968
194 Ostempowski Irene L [9]+ 894-6934
195 Czwojdak M [2] 893-5909
2 Not Verified
198 Schulten Lisa A [4]
201 Radomski Renee J [9]+ 894-5557
Radomski Matthew W.. 894-5557
202 Rabb Thomas J [6]
203 Wodarczyk James P & Donna [9]+ 892-7530
207 Ziemba Mary E [9]+ 895-2485
Ziemba Ann M 895-2485
208 Hill Robert E [9]+ 894-7334
Hill Philip E 894-7334
211 Wiertel Leon J Jr [9]+ 893-0232
2ⓃWiertel Joan A
215 Hajduk Alice H [9]+ 893-9390
216 Not Verified
218Ⓝ Cieslak Paul 895-4806
219 Grimes K [2] 894-1592
Mariano Joseph J [2] ... 824-7891
1J Kujawa Eugene J & Lorraine [9]+ 894-6484
222 Jankowski Edwin J [9]+ 894-7854
223 Campbell C K [2] 892-6485
Mentel Joseph P [9]+
Mentel Donald J
Swiderski Michelle [2] ... 893-0882
228 Kolbert Corinne A [8] .. 892-2098
Kolbert Robert A 892-2098
229 Kirsch James G & Eileen [9]+ 893-7140
230 Oczowinski Michael E [9]+ 895-8068
Oczowinski Florence M 895-8068
236 Wild Roxanne R [9]+ 897-3971
237 Wiodarczyk Eugenia R [9]+ 897-1237
239Ⓝ Wnuk Felix J 894-3249
241 Reichert Norman [4] 891-8997
Reichert Theresa 891-8997
243 Hitchcock Diane [5] 894-6873
246 White Shane J [4] 894-6586
White Marie C 894-6586
248 Bundy Thomas P [4] 897-9438
Bundy Tracey M 897-9438
Czerniejewski Madelyn M [2] 891-8223
250Ⓝ Cordier Bryan K
252 Jozefiak Mari J [9]+
253Ⓝ Bystrak Stanley Jr 892-2882
256 Knapp Agnes I [9]+
259Ⓝ Gorko R L 893-0692
262 Acquard Margaret E [9]+ 894-0113
Hammer David J [9]+ 897-0122
Hammer Kyle P 897-0122
265 Bernal Edward [9]+ 894-7556
266 Nowicki Bernice J [9]+
270 Dubaj Thaddeus H [9]+ 895-9472
275 Dubaj Kenneth K & Deborah [9]+ 892-9221
277 Connors J [2] 893-6624
280 Guminski Frances G [9]+ 893-0941
284 Kuczynski Harry A [9]+ 895-2032
287 Ostempowski Donald J [9]+ 895-4608
Ostempowski Jerome A 895-4608
288Ⓝ Jozwiak Edward R 894-5007
292 Russo Carl A [9]+ 895-7622
Russo Donna M 895-7622
293Ⓝ Kotlowski Jane 892-6416

HALSTEAD AVE

295 Bell Dwayne M [9]+
Bell Lorraine D
298 Podraza Marion R [9]+
303Ⓝ Mlotkowski Theodore 894-1825
304 Bojak Mark M [6] 894-9167
Slachciak Andrew [2].... 894-4606
305Ⓝ Miller L 893-7930
306Ⓝ Hartman Richard W 893-0662
307Ⓝ Musielak Maryann 897-3508
386 Goss Cyril H [2] 823-6109
+BROADWAY ST INTERSECTS
BUSINESSES 7 HOUSEHOLDS 131

HAMBURG ST (BUFFALO)-FROM 199

SOUTH ST NORTH

· **ZIP CODE 14204 CAR-RT C018**

16 Not Verified
22 Carney Phyllis M [9]+
Carney Patricia A
32 Barbuto Judith F [6]
34 Not Verified
43 CELRIK TRANSPORT trucking 842-0700
TEAM DISTRIBUTION & WAREHOUSING genl warehousing 854-1318
TEAM FREIGHT INCORPORATED truck trans brokers 854-8326
44Ⓝ Cook H 845-0154
50 Cook Thomas H & Nancy [8] 853-5719
+RAILROAD CROSSES
+REPUBLIC ST ENDS
73 MCCARTHY GENE TAVERN tavern 855-8948
79 Keller M [2] 856-4389
79 Not Verified
Nebrich Peter [2] 854-2554
Smith R [3] 847-2120
81 Sharples Lawrence [3] 853-0940
85 Not Verified
86Ⓝ Lawrence John P
Norvell Shirly [3] 855-1586
90 Balester Frank [2] 852-7857
Balester Mary A [2] 847-6219
Carney Thomas [3] 847-1365
92 Mc Carthy J [2] 856-3746
Redanz Kevin J & Ann [7] [8]
Simonick Joseph M [2]. 854-5580
94 Kleinsmith Dennis C [9]+ 847-0641
96 Not Verified
104 Andula David R [4] 852-8966
Andula Charlotte A 852-8966
108 Seager Ida F [8] 842-1663
+OCONNELL AVE BEGINS
125 McNeight Laura [2] 853-4489
126 Monagan C A [2] 845-6936
ⓃStover Charles G 856-4263
128 Dyczek Mary E [9]+ 854-7081
Dyczek Karol J. 854-7081
129 Rej Stanley [2] 842-0233
2 Not Verified
131Ⓝ Frankhauser Fredrick 852-4773
134 Hartensteln Clarence [5] 852-7314
136 Spaulding Jason [3] 856-5857
139 Rajla James P [5]
Rajla Mary
140 Cleary B [9]+ 854-3793
Cleary Mary E 854-3793
141 Carroll Donna M [9]+
142 Burke Thomas W & Margaret [9]+ 856-7782
143 Hoffstetter James R [2] 854-1362
Moriarity N [2] 847-0071
Popp Kenneth Jr [2] 847-0607
Sumbrum Mary [9]+ .. 847-0071
144 Casey Kimberly I [5] 842-6914
145 Catanzaro Patricia M [2]. 852-5255
Kukulka Stanley J [9]+ 856-5681
Kukulka Beth 856-5681
1 Catanzano Patricia M [3]
146Ⓝ Lovullo Angelo M 845-6908
149 Bannister David B & Suzanne [9]+ 849-0034
151Ⓝ Tolkacz Edward J 847-6774
152 Connors Timothy S [9]+ 847-0359
153 Heidinger S [3] 852-1764
158 Lukomski Bernadette F [9]+ 854-0317
Lukomski Lorry 854-0317
+MACKINAW ST ENDS
+RAILROAD CROSSES
189 Plaza Gary L [9]+
190Ⓝ Wojtasik Stanley 852-2604
191 Not Verified
+MACKINAW ST BEGINS
192 14204Ⓝ Wojtasik John F
193 Bannister David B Jr [3] .. 855-1409
198 Not Verified
200 Olson Richard K [9]+ .. 854-8033
202 Ziotek A [2] 852-4421
204 Gorkiewicz Stanley F [9]+ 854-1666
+MIAMI ST ENDS
211Ⓝ Mann Donald M 856-9731
215Ⓝ Reardon Agnes 845-6743
217Ⓝ Kozakiewicz Dale 855-4697
219Ⓝ Banks Bobby E 854-5578
220 Sullivan Deborah A [7] [8] 842-6686
221 Lillis David P [9]+ 842-1860
Lillis Mary M 842-1860
222 Lawson Mary M [9]+ 852-8043
224Ⓝ Bryant Shirley 849-0429
225 Ersing Jeff & Hope [4]
1 Not Verified
226 Niedzwiecki Paul R [9]+ 856-1136
Niedzwiecki Florence V 856-1136
228 Jasinski Chester W & Patricia [5] 854-3389
230 Fara S [2] 856-0883
ⓃWalker V 842-1775
231 Egana E [2] 852-5446
Figueroa Linda [4]

HAMBURG ST (B)

Irizarry Carmen M [2] 854-6023
233-234 Not Verified (2 Hses)
236 Londo William C & Sandy [9]+ 842-0849
+S PARK AVE BEGINS
265 Laberta Cheryl A [9]+
267 Lorenzo Jesica [4] 856-0844
2 Not Verified
269 Carpino James M [9]+ 856-9019
Carpino Kathleen M 856-9019
273 Bartlett Alice D [9]+ 855-2700
Bartlett Mae E 855-2700
+FULTON ST ENDS
289 Ahmed Saad [2] 854-6534
PROGRESS FOOD MARKET gro store 847-2525
291 Flanagan Joseph [9]+
Flanagan Sharon L
294 Alway Erica [2] 853-4512
297 Dietrich David T [7] 842-1224
Dietrich Joan 842-1224
Tuzzalo Helen A [2] 847-6091
298 312 316 3 Not Verified
+PERRY ST BEGINS
334 1-4 Not Verified (2 Apts)
+SCOTT ST BEGINS
363 DECKS UNLIMITED CONSTRUCTION COMPANY new home constn 845-6020
PERMA TECH fab structural mtl 854-0707
365 H M H COMPANY indl machry'equip 855-0758
+RAILROAD CROSSES
+EXCHANGE ST BEGINS
+RAILROAD CROSSES
+SENECA ST INTERSECTS
505 Drost Stephen [2] 856-2433
+MYRTLE AVE INTERSECTS
519 BUFFALO CYLINDER TESTING hydrostatic testg 847-1424
LAZY BOY PALLETS wood pallets'skids 852-2774
MEIER SUPPLY COMPANY refrig equip'sup 853-1291
MESMER REFRIGERATION refrig equip'sup 855-0575
SCHNITTER'S PAINT & WALLPAPER genl warehousing'stg 838-2500
VILLAGE FARMS DISTRIBUTION 842-0607
+SWAN ST INTERSECTS
+S DIVISION ST ENDS
+S DIVISION ST BEGINS
+JEFFERSON AVE INTERSECTS
BUSINESSES 14 HOUSEHOLDS 94

HAMLIN RD (BUFFALO)-FROM 113

LONSDALE RD EAST

· **ZIP CODE 14208 CAR-RT C017**

2 Porter Edward C & Marian [9]+ 882-2816
5ⓃFruster Catherine 881-0706
6 Douglass C W [2] 881-0960
9 Not Verified
10Ⓝ Locke Doris 883-6314
11 Olden Frank [9]+ 885-0699
Olden Arlene G 885-0699
OLDEN ELECTRIC electrical contr 885-6923
14 Martin Kevin X [9]+ 882-0436
Martin Daris M 882-0436
17 Robinson Levorn & Marguerite [3] 883-6530
18Ⓝ Ruff M S 886-6144
19Ⓝ Gibson Lillian H
19 Not Verified
20 McClellan Lorraine E [9]+
McClellan Franklin D
24 Wilson Waddelle V [9]+ 884-3530
25 Croxie Joseph A & Angela [9]+ 881-2351
27Ⓝ Walker Dorothey J
Walker Clemon S Sr
28 Porter Mildred J & Jimmie [9]+ 883-7732
31 Chapman Olivene M [9]+ 881-5489
32 Murphy Celestine C [2] 881-3866
35 Washington Merle S [9]+ 886-6749
36Ⓝ Goodwin John T 881-5077
37Ⓝ Lyons Norman B 884-9450
38Ⓝ Duke D 883-6722
41 Dixon Josephus R [9]+
42 Price James B [9]+ 882-3466
Price David E 882-3466
1 Not Verified
45 Gross Sadie C [9]+ 885-2588
46 Hilliard Donald L [9]+ 884-7768
Hilliard Rae-Myra 884-7768
49 Cook Sandra C [9]+ 883-2389
50Ⓝ Burnett Sylvester
ⓃMerriweather Bennie
53 Mack Alfonse [9]+ 885-3744
55 Johnson Lucille [9]+ 882-6850
56 Gilmore Marjorie B [9]+ 881-6603
59 Lee Nathaniel Jr & Beverly [9]+ 882-3160
60Ⓝ Tate Robert 883-9161
Tate Sarlyn [2] 883-6037
64 Montague Marjorie C [9]+ 883-2726
Montague John S 883-2726
65 Evans Ronald [6] 884-5044
Evans Donna J 884-5044
67-68 Not Verified (2 Hses)
70 Fugate Darren R [5]
Fugate Deborah F
71 Wyatt Bessie W [9]+ 882-6446
73Ⓝ Moore Steven 886-5315
74 Humphrey Alexander C Jr [9]+
77 Pridgen Darius G [9]+ 884-1665
Pridgen Bobby E 884-1665
78Ⓝ Smith Trudy E 884-1337
81 Peterson King W & Jannie [9]+ 882-5992
82 Not Verified
85 Hall Thomas B [9]+ 883-8540
Hall Frances K 883-8540

HAMLIN RD (B)

86 Greene Mildred [9]+ 883-7726
89 Olive John C & Ruby [9]+ 886-0388
90 Leftwich Homer C Jr [9]+ 882-5473
Leftwich Ida D 882-5473
93 Hollins Carol N [9]+ 882-0145
94 Dabney Lois B [9]+ 886-7847
97 Threet Virginia F [9]+ 883-6948
98 Breckenridge Henry W Jr & Barbara [9]+
101 Johnson Mamie B [9]+ 885-8814
102 Blassingame Gladys M [9]+ 883-7345
104 Atkins Harold S [9]+
105 Lewis Blanche [7]
+WOHLERS AVE INTERSECTS
115 Goldsmith Essie B [9]+ 882-3347
117Ⓝ Mc Call Theika 883-7117
MCCALL LANDEN REV 884-6067
118 Green Mark A & Pamala [9]+ 881-4685
121 Banks Ella L [9]+
122 Richardson Marvin & Victoria [9]+
125 Not Verified
126 Scott Theodore A [9]+ 886-5219
129Ⓝ Chapman Charles A 884-2504
130 Not Verified
133 Pitts Jerry [9]+
Pitts Elizabeth H
134 Bradley William D [9]+
Bradley Paula B
137 Bailey Fannie W [9]+ .. 882-7550
138 Johnson Thomas W [9]+
Johnson Mabel
139 Greene Ester A [9]+ ... 881-0536
142 Thompson John A & Rosie [9]+ 881-0078
143 McClary Sandra B [8]
144 Russell Linda L [9]+
147Ⓝ Clyburn L J 884-0868
148 Not Verified
151 Herritage John W IV & Kathleen [6]
152 Mayfield Marion L [9]+ 883-1293
155 Moore Lottie M [9]+ 886-6380
Moore Joyce E 886-6380
159 Hedgepeth Wallace Jr [3]
160 Jones Inez A [9]+
163 Bryant Marquita [2] 883-8381
Dickson Iberia [9]+ 884-1160
Dickson Abraham 884-1160
164Ⓝ Luther Geraldine 886-4111
167Ⓝ Hernandez George E 881-3087
168 Dent Judith C [9]+ 884-7835
Dent Gary D II 884-7835
171Ⓝ Coleman Turner Delores 885-6392
172 AUMRAO ASSOCIATES video prod 884-3178
Curry Lenora Y [9]+ 882-1704
Curry Ora L 882-1704
175 Peoples William E Jr [9]+
Peoples Basil H
178 Dukes Hattie P [9]+
179 Hughes Marmaduke E [9]+ 884-7466
Hughes Daisey L 884-7466
182 Hardiman Thelma A [9]+ 886-5051
183Ⓝ Nix H B 884-3105
184 Davis Karen G [9]+ 881-3525
Davis Kim L 881-3525
187Ⓝ Dow E B 884-7896
188 Stenhouse Edward J [9]+ 882-6807
Stenhouse Terrance D 882-6807
191 Marshall Beatrice L [9]+ 883-1584
192 Martin Karl & Linda [9]+ 883-0737
195 Cumming Andrew [2] 839-3818
Fulks Millicent J [9]+ 882-8762
196 Molt Lenore [9]+ 881-6325
Mott Andre J 881-6325
199Ⓝ Smothers Moses 885-6130
202 Not Verified
203 Dawson B E [2] 886-3050
Fenty Lou E [8] 886-8722
Harris Antonio D Jr [6]
204 Greer John H & Barbara [9]+ 883-8172
207 Woodard Edythe E [9]+ 882-2452
210Ⓝ Dockery F M 884-3237
+HUMBOLDT PKWY INTERSECTS
BUSINESSES 3 HOUSEHOLDS 112

HAMMERSCHMIDT AVE (BUFFALO)-FROM 261 N LEGION DR NORTHEAST

· **ZIP CODE 14210 CAR-RT C008**

24 White Joseph D & Dorene [9]+
2 Bucci Walter O [9]+ 822-2135
25 Pici Jason A [5] 826-9780
Pici Jennifer M 826-9780
Ricketts Karin A [6] 828-1678
Ricketts Jennifer M 828-1678
28 Marinaccio Evelyn M [9]+ 824-9115
29 Balkin Michael E [9]+ 826-0524
Balkin Catherine R 826-0524
MERCY SISTERS OF 826-2395
32ⓃBalkki Charles 824-3222
35 Gonzalez M L [2] 823-9447
38 Kopinki Sharon F [9]+
Kopinki Christopher R
Mc Cool Joseph C [2].. 825-5462
39 Knoop Sandra L [9]+ 822-8477
Knoop Jay 822-8477
40 Not Verified
42ⓃInsera Pasquale
Kocol Leonard [2] 822-4304
LW Not Verified
43-44 Not Verified (2 Hses)
44 Kaleta Laurie A [5] 827-2637

HAMMERSCHMIDT AVE (B)

Kaleta Laurele 827-2637
1 Not Verified
45ⓃSzwed Jason 825-4393
48 Farrell Charles P & Ann [9]+ 826-2817
49 Castiglia Robert R [4] 824-2590
52 Winkelman Michael J & Paula [9]+
53ⓃReif Douglas C 822-3106
54 Hill Timothy P [6]
Hill James V
55 Kickbush Esther J [5]
59ⓃPappagallo P 823-2924
60ⓃGaslle Leo J
1 Not Verified
63 Bankowski George B & Deborah [9]+ 826-3024
64 Borkowski Timothy G [4]
Borkowski Clarice U
65 Baldi Esther M & Michael [9]+ 827-0371
68 Rzeznik Christopher R [8] 824-7587
Rzeznik Margaret 824-7587
69 Stulack Joan [9]+ 822-5972
Stulack Margaret J 822-5972
72 Wylie P [2] 827-1985
Zientek Sharon L [9]+ 822-6381
Zientek Sandy L 822-6381
73 Creahan Helen M [9]+ .. 826-2075
76Ⓝ Bunting Richard J 825-0248
78Ⓝ Mullen J V 824-1159
79 McCoy George H [2] 826-4975
White Wayne T [9]+ 823-3548
White Margaret L 823-3548
80 Dellaneve Rocco [2] 825-7597
Hutchings Andrew [2].... 823-0942
ⓃPropster Marcy L
83 Farrell Robert J [9]+ 824-8163
Farrell John 824-8163
85 Jurecka Helen P [9]+ ... 825-5405
86Ⓝ Vastola Dino 825-5949
89 Groff M [2] 826-5030
Snyder Peter E [9]+ 828-0198
90 Denecke Joseph C [2] 827-0632
Ganczewski Conrad M & Dawn [9]+
91 Keller Maryann [9]+ 825-7305
95Ⓝ Raymond John C 823-1453
2 Ervolina Michael C [4] 824-3732
96 Fullone Vincent J & Irene [9]+ 822-9047
O'Hara Vincent [2] 826-3621
97Ⓝ Vohwinkel Howard R 824-4974
99 Barras William J [3] 821-9049
Misiak Kimberly [2] 828-1383
100Ⓝ Jahnke Francis J 825-0553
103 Ahr Linda [2] 823-1575
ⓃMcKibbin Mary K
104 Fisher Ondrea [3] 824-6334
UPR Not Verified
105 Wilkey Scott W [9]+ 822-5777
Wilkey Frank 822-5777
108 Neaverth Francis J [2].... 822-7123
Whalen Gerald T & Ruth [9]+ 824-5984
+SENECA ST INTERSECTS
BUSINESSES 1 HOUSEHOLDS 67

HAMPSHIRE ST (BUFFALO)-FROM 999

BUSTI AVE NORTHEAST

+NIAGARA ST INTERSECTS

· **ZIP CODE 14213 CAR-RT C022**

32 Lukasewycz Joseph A [2].. 866-8709
ⓃRavenelle Christopher 882-5127
Simon Clare [2] 884-1560
36 Gregory Alfred P [5]
Misuraca L [2] 884-7923
1 Fortunato Donald W [3]
37Ⓝ Soto Alejandrina 885-3659
39 Rivera Jose A [9]+ 883-4091
Rivera Julie Y 883-4091
Torres Hector [2] 885-7511
45 Diaz Ingrid [2] 882-4075
Monroig Rogelio [4] 883-2368
+PROSPECT AVE INTERSECTS
61 Not Verified
63Ⓝ Molina Marisol 883-2211
65 LFT Not Verified
71 Arroyo Lisandro [7]
Arroyo Yolanda
2 Not Verified
73 Not Verified
73 1 Not Verified
74 Dones Marvin [7]
75 Arroyo Nolan [5] 884-2179
78 Gonzalez Ramona [2] 816-0226
Hernandez Aida C [5]
79 1 Not Verified
81 Orlando Ivan Jr [5] 884-6020
82 Matos Louis M [2] 884-4748
ⓃRodriguez Norllyn 816-0380
83 Sanmiguel Nelsie E [2] 881-0194
Vazquez Rosa M [8]
Vazquez Jahaira
84 Troncone Pietro [6] 884-0039
85 Temperato Susan B [9]+
Temperato Rose M
86 Quiles Jose [3] 881-1510
Siplin Latisha [2] 886-0066
1 Not Verified
90Ⓝ Hernadez Manuel
+FARGO AVE INTERSECTS
113 Abbinanti Anthony C [3].. 886-9327
118 PUBLIC SCHOOL 18 elementary'secondary s 888-7030
SCHOOLS BUFFALO PUBLIC ELEM SCHS SCH 18 888-7030
121Ⓝ Marchese Frank 883-1302
+WEST AVE INTERSECTS
139 Moussa Chahine K [3]
140 Ryan Maureen E [7] 883-9818
Ryan Gretchen E 883-9818
141 Taylor Robert C & Susan [9]+ 882-1879
143 Ortiz Jeannette [5]

TP	Adjoining	Source
-	✓	EQUIFAX Polk City Directory

SENECA ST 2001



SEMINOLE PKWY (B)

49 Gerbino Marie T [2]+ 823-6306
Gerbino Teresa 823-6306
Wolski Don [2] 823-1443
51 Martin Joseph [2] 826-9106
Romanowski Joseph S Sr [5] 823-8596
52 Handzlik Ronald N [5]+ 826-5422
Handzlik Patricia M 826-5422
54 Dibiase Anna M [3] 822-7910
Feidt John [2] 822-6804
55 Wartinger Jennifer M [2]+ 827-5810
58 Devine Jean [2] 822-0159
Lochbaum Douglas W [3] 823-0110
59Ⓜ Lagabed Leonard P 822-0526
62 Trzaska D L [5] 823-6767
63 Poole George A Jr [2] 822-5810
2Ⓜ Vierling Charmel 824-2080
65Ⓜ Haltam Karen I 823-0923
Zanghi S [2] 821-0458
66Ⓜ Kish Danielle L 826-2569
McConnell David [2] 824-2227
68 Burtis Kenneth B [5] 822-2527
Faltisco Frances M [3] 827-1958
A2 Not Verified 828-9818
69 Rodriguez L [3] 826-5476
Vanderlip M [2] 822-5922
72 Puliafico Susan [9]+ 822-5922
Puliafico Salvatore J 821-9634
2 Not Verified 827-1958
73Ⓜ Culligan Paul W 826-5125
Ⓜ Griffin Mary P 825-3125
Paveljack Steven E [9]+ 825-7391
Paveljack Mary P 822-7391
76 Ely Gregory M [5] 826-5922
Ely Susan M 822-5922
Paveljack Raymond [2] 826-7759
1 Raveljack Mary [3] 824-9387
77 Maharan Nancy [9]+ 824-9387
80 Foser Roger A [9]+ 827-0814
Foser Mildred M 826-2283
81 Gendreau Daurice [4] 825-7247
82Ⓜ Schuster Paul M 823-8007
83Ⓜ Purcell S P 822-2426
86Ⓜ Migliore Carol J 823-1251
87 Gurgol Albert W & Judith [9]+ 824-4498
Russo Anthony J [2] 824-3649
90 Desantis Krista [2] 828-1832
2 Not Verified 823-4441
91 Catena Fernando [9]+ 823-4441
Catena Sandra 824-8252
94Ⓜ Scott Sharon 828-0801
95Ⓜ French W C 826-2956

+NAVAHO PKWY INTERSECTS

HOUSEHOLDS 71

SENECA ST (BUFFALO)-FROM 306 MAIN ST EAST

· ZIP CODE 14203 CAR-RT C004

2Ⓜ Ruggiero Dominic
4 1209 2 SEⓂ Victori Mary M
10 wⓂ Torrance Jessica L
11 Delmonte Eleanor [3]
+PEARL ST INTERSECTS
48 Filippone Janine [2] 674-2112
+WASHINGTON ST INTERSECTS
+FRANKLIN ST BEGINS
100 BROOKHAVEN PARTNERSHIP real est agts 826-2010
MC GUIRE GROUP INCORPORATED THE nursing'personal care 826-2010
NORTH GATE MANOR PARTNERSHIP nonres bldg opr 826-2010
+ELLICOTT ST BEGINS
129 KIANTONE PIPELINE crude petroleum pipelii 675-2767
136 BROWNS PAWN SHOP pawnshop 854-5557
+ELM ST BEGINS
173 Casey Brian S [2] 823-4559
+NICHOLS PL BEGINS
176 Atterberry O V [2] 626-9488
+MICHIGAN AVE INTERSECTS
+ERIE ST CONTINUES
+LAKEFRONT BLVD INTERSECTS
+ERIE ST INTERSECTS
+LAKEFRONT BLVD BEGINS

· ZIP CODE 14204 CAR-RT C004

192 SENECA PLUMBING & HEATING SUPPLY COMPANY plmbg fittings'sup 852-4744
SENECA PLUMBING AND SUPPLY cabnts kit 852-4744
193 Griffin M [3] 634-0541
+BUTLER PL BEGINS
208 Noworyta Cheri I [2] 827-0819
240 BELT MAINTENANCE AND SUPPLY machy instltn 852-0832
251 ETHOX surgical'med instrmts 842-4000
+ELMIRA PL BEGINS
280 BUFFALO SCALE & SUPPLY COMPANY scales 847-2880
+CHICAGO ST INTERSECTS
291 CHEF'S RESTAURANT OF BUFFALO restr 856-9188
300-310 Not Verified (2 Hses)
316 ADVANTAGE BUSINESS SERVICES busn serv 854-4233
UNITED BUSINESS SYSTEMS filing units 297-2289
340 D & M PLYWOOD bldg matls ext 856-5856
350 D & R AUTOMOTIVE RESTYLERS customizing autos 842-1826
370 DITONDO'S TAVERN eating places 855-8838
390 Allen Paulette Y [6]
Allen Rod L
394 Not Verified
+S CEDAR ST BEGINS
+LOUISIANA ST ENDS
400Ⓜ Roberts Alton 852-4645
404 Rodriguez William Jr [2]

SENECA ST (B)

410 Montes Jorge A [7]
Montes Luis A
412 Rodrigues Luz E [7]
422 Torres Wilfredo Sr [3] 849-2991
Torres Sandra I 849-2991
426 McCoy Rachel [4] 856-1690
470Ⓜ Spain Michelle
Spain Takeisha M
474 Rodriguez Pamela [3] 847-2429
+ALABAMA ST ENDS
487 FARGO ELECTRIC COMPANY OFFICES electrical contr 855-0808
490 LEON SALES & SERVICES gas serv sta 847-1467
+SPRING ST BEGINS
536 Monkaiban Kenneth S [2] 675-2159
550 AV-LINK AUDIO ARTS 853-1000
MAZE ENTERTAINMENT 855-1999
+HAMBURG ST INTERSECTS
+JEFFERSON AVE INTERSECTS

· ZIP CODE 14210 CAR-RT C018

571 J & J JEWELRY COMPANY jwlry precious stones 674-2141
+RAILROAD CROSSES
602 Veros Jacqueline [9]+
641 SOUTHWEST CONNECTION THE used car dlrs 856-4515
645 LOGO IMPRINTED SPORTSWEAR sportswear men'boys 855-2071
663 PHOTOTECH STUDIOS coml photography 842-1750
671 FINAL CUT LETTERPRSS 856-0308
675 QUALITEE IMPRINTS misc apprl 856-8354
680 AUTO CLINIC gas serv sta 854-8306
685 WALCO CHEMICAL PRODUCTS COMPANY janitorial serv 845-5344
WALCO MAINTENANCE SVCE bldg mtce serv 845-5347
693 DAKMED surgical'med instrmts 852-3301
DENTIFAX DI EQUI 297-1014
GOLDEN CRAFT CABINETRY & MILLING cabnt'finish carp 842-4110
MACHINE-O-MATIC 855-2034
Shaliucas John W [9]+
T N T MOBORG INTERNATIONAL LIMITED surgical'med instrmts 852-6762
TOPPERS 854-1354
696 Ames Matthew [2] 840-6004
Bargerstock Thomas [2] 852-2976
Beckhorn Ronnie [2] 853-4010
Billingsley F [2] 853-6244
Cooper Timothy [2] 849-2959
FAT MAX VARIETY SHOP variety stores 856-2806
Hawkins Lloyd E [2] 854-0235
Jenison J [2] 853-3177
Johnson Duane [2] 856-4841
Marchese Joseph G [2] 855-2454
Spivey John [2] 842-0024
Yonan S [2] 849-5964
5 Not Verified
699 I L M GRAPHICS coml prtg 854-1888
701 BIG BEAR 842-1599
BLUE GOOSE CAFE cafe 856-5044
BORINS PAUL DISPLAY wrapping'packaging pap 856-6334
BROWN SECURITY DESIGNS burglar alarm sys 422-5565
BUFFALO WIRELESS 856-1950
CALSCO genl remodeling 855-2345
CHAMPLAIN BUFFALO DISTRIBUTION WHAREHOUSE GROUP genl warehousing 856-0810
C M C TECHNOLOGIES indl machry'equip 852-6186
DANCING MICE 332-6423
Davis Harlow M Jr [4] 854-1322
DEWART DEVELOPMENT COMPANY real est agts 854-2332
DIE-PRO dies steel rule 855-1108
DIRECT DIGITAL SOLUTIONS a'v program prodctn 854-3921
EAGLE SIGNS 849-0253
ELEVATOR MAINTENANCE OF BUFFALO elev 854-5454
ENERSHARE I P L TECHOLOGY 854-3825
FORTY PLUS management consit serv 856-0491
GYMNASTIX packing ind 852-2141
H M S SEATING used merch stores 856-8563
IMPACT VISION women'children accesso 854-1322
INDUSTRIAL POWER AND LIGHTING telecommctns consit 854-3713
I P L INDUSTRIAL POWER AND LIGHT CORP 854-1811
J M B MAILING SERVICES mailing serv 842-2201
J P N CABINETRY cabnts kit 849-2753
J R PRODUCTS 852-6088
Korn Charles R [2] 852-2141

SENECA ST

Korn Irving [2] 856-0810
LUNA homefurnishings 852-5300
MAR WAL CONSTRUCTION 853-0278
MICROTEC 853-1931
MODERN TECHNOLOGY DESIGN AND SERVICES electrical contr 855-2837
N K MEDICAL PRODUCTS hosp beds 631-3070
NEW FRONTIER MARKETING marketing consit serv 845-5548
NISUS RESEARCH busn consit 842-1000
NO ORDINARY JOE serv establishment equ 842-0664
OFFWORLD PRODUCTIONS DATALINE 332-0021
P-KER ENGINEERING ceramic fiber 845-6398
PACKSTAR GROUP polyvinyl film'sht 853-1688
QUALITY IMAGING SOLUTIONS laser printer sup 852-2215
QUALITY LASER SERVICES genl warehousing'stg 852-2203
SEISER ROSS furn stores 852-5412
SENECA DEVELOPMENT & MANAGEMENT land subdividers'dev c 856-0810
SENECA INDUSTRIAL CENTER com'ind bldg oprn 856-0810
SEWING TECHNOLOGY 845-5130
SHOPPERS CHOICE 855-2091
SILK SPIRAL DESIGN greeting cards 855-2697
701 Not Verified
THEATER PLACE ASSOCIATES legitimate live thtr p 845-6653
VENTURING WORLDWIDE foreign trade consit 853-3178
WEBB J A conveyor sys 852-6062
X-L ENVELOPE AND PRINTING envelopes 852-4348
703 PRINT STOP 854-1808

· ZIP CODE 14210 CAR-RT C002

730 ICE RING PRODUCTIONS 842-2704

+EMSLIE ST BEGINS
+SWAN ST ENDS
755 AMBER MEDICAL phys. 854-2236
BURSTEIN ALAN G MD phys 854-2365
756 Cole Ruth E [2] 856-4606
CRACKER BARREL restr 855-9088
Lascola Joseph [2] 854-3534
4-10 Not Verified (2 Apts)
760 TRADITIONAL TILE COMPANY terrazzo tile marble m. 842-1414
763 FRANK'S SUB SHOP restr 855-1134
774 SENECA OFFICE FURNITURE ofc furn used 852-1370
775 CUSTOM CANVAS MFG COMPANY canvas covers'drop clo 852-6372
780Ⓜ Cardona Jacqueline M
Torres E [2] 852-0333

+HYDRAULIC ST ENDS
797 BEST DOOR STORE THE 852-3536
GOOD DOOR STORE auto sup parts 822-3304
SOUTHERN GAS TANKS scrap'waste matls 854-3617
798 Gunsauley Jessica [2] 856-0097
Rivera Pedro [3] 856-0910
Warren Roberta D [2] 852-8980
2 Not Verified

+LORD ST BEGINS
+GROSVENOR ST ENDS
837Ⓜ Hallrack Kenneth M 852-0826
Perez Hector C [4]
Rios Lisa [2] 852-6708
1 Not Verified
839 Abshire Lawrence [9]+
Abshire Monica
840 BUFFALO PLUMBING SUPPLY 897-3373
848 Batista Louis A [9]+
Batista Norma I
BUFFALO STEEL RULE DIE COMPANY 842-2211
852 Letina Geno M [6]
Letina Nicholas M
853 Rodriguez Orlando [9]+
2 Not Verified
860 COYNE JOHN MOVING moving serv 873-3375
TAMCO PAPER STOCK waste paper 852-1035
864 Jaruszewski Sophia B [2] 842-1432
Moroz Boleslaw [9]+ 852-2375
866 Donohue Sally A [3] 855-1274
Grek Stephen [2] 856-1764
872 Not Verified
874 Borodzik Bonita A [9]+ 854-3527
Borodzik Frank L 854-3527
877 IHRIG CHARLES & SON moving serv 343-7206
MAYFLOWER AGENCY moving serv 852-2821
RYDER TRUCK RENTAL ONE WAY truck rntl 854-4919

SENECA ST

+SMITH ST INTERSECTS
906 DGS 828-2228

+RAILROAD CROSSES

· ZIP CODE 14210 CAR-RT C005

1077 Not Verified
1079 SENECA COLLISION genl auto repr shop 823-1989

+PEABODY ST ENDS
1087 Kramer Jeanette M [9]+ 826-5616
1089Ⓜ Kraft Maria V
Mc Carthy Patrick [2] 825-8306
2 Not Verified

+WALTER ST ENDS
1115 CIGARS BAR & GRILL tavern 824-3880
Ⓜ Rath Daniel T 824-3880
1120 BUFFALO CITY PUBLIC WORKS PARKS & STREETS DEPT ENG 851-5567
BUFFALO GOVERNMENT OFFICES 851-5567
1132 BUFFALO INDUSTRIES GROUP computer software dev 823-0009

+MAURICE ST ENDS
1145 D & L INDUSTRIAL SERVICES indl machry'equip repr 823-6418
1155 Gore Henrietta M [9]+ 826-9484
Gore Kenneth P 826-9484
1167 Mediak S [2] 824-0618
1168 SENECA BABCOCK COMMUNITY CENTER community ctr 822-5094

+ORLANDO ST ENDS
1173Ⓜ Mieth Gerald G 824-1951
1175 Mieth Gerald G Jr [4] 826-9056

+WASSON ST BEGINS
1182 ST MATTHEWS EPISCOPAL CHURCH ch temples shrines 822-4830
1186 Mekelburg Earl J & Kathleen [9]+ SENECA FENCE fencing 825-1997
1192 BOOP A DOOP GRILL THE grill 826-6380

+BABCOCK ST INTERSECTS
1199 Kassen Abdul [2] 824-1048
SUB-CITY INCORPORATED convenience stores 826-6199
1204 INTERNATIONAL PAINTS 823-6903
1205Ⓜ Guise Cynthia Y
3 Not Verified
1207 Beu Samuel [5] 827-0623
UNCLE SAM'S PIZZA & SUBS pizza restr 822-7717
1208 BRITE-WAY PAINTING painting'paper hanging 823-4094
Golden John [3] 828-0798
1209 FRIENDLY CHIMNEY SVCE chimney constn 823-0444
Sylvia J [2] 824-0283
Ⓜ Victori David 823-1045
1211 Gerace Anthony [2] 828-0757
2 Not Verified
1214 Drzazga Joseph [9]+ 824-5466
Drzazga Henry J 824-5466
1215Ⓜ Maine J
Maine Tara L
Molina Arlin [2] 822-3221
Tumash Mikhail [7] 822-0681
1218 SENECA STREET UNITED METHODIST CHURCH 825-6742
1219 Mekelburg Dolores E [9]+ 826-9497
1221 Bentley Matthew A [2] 823-3001
Gogel Amy [7] 823-9244
TEEN HAVEN individual'fam serv 826-7805

+IMSON ST INTERSECTS
1231 LIFT TRUCK PARTS DISTRIBUTORS truck parts'accessor 828-1070
1236 Booth Timothy O [9]+

+OAKDALE PL ENDS

+TROUPE ST BEGINS
1259 James Deborah L [9]+ ..
1261Ⓜ Adam Nancy 824-1626
Bakston T [2] 827-8143
1263Ⓜ Bennett David 823-0828
1266 CAL'S AUTO & TRUCK REPAIR trucks tractors new us 824-9091
1267 Laughlin Dennis Jr [2] 826-3170
Ⓜ Salomon Lynn M
Ⓜ Zwetsch Charles E
1 Not Verified
1270 Reinhardt A [3] 823-2191
1271 Rodriguez Charles J [5]
1272 Koch Charmaine M [9]+
Morlock James H [9]+ 822-6763
MORLOCK DRYWALL & PAINTING COMPANY plastering drywall 822-6763
1276 Weeks Robert [2] 828-1540
1 Not Verified
127 Sharpe Curtis E [3]
1278 Heilig Joseph P [9]+ 824-9437
Heilig Sheila B 824-9437
2 Not Verified
1282 Gehen Madonna [2] 825-4458
Sekuterski Frank [2] 826-3573
Ⓜ Wittmeyer Mary J

+MILTON ST INTERSECTS
1293 1 Not Verified
1294 Ashley Jazmine [5] 823-5735
GUARDHOUSE THE metal slitting'shearin 828-1008
1295Ⓜ Rohe Samuel J 825-4385
1297 White Marie [4] 823-1765
1299 Meyers Mark E & Gale [9]+ 824-5210
1301 Barker James R [5] 828-0772
Barker Anthony L 828-0772
Herrmann M [2] 826-5773
2 Not Verified
1305 Kopinski W [2] 825-8047
Smith Jeffrey M [2] 828-0542
6 Doucette Kevin [5]
6 Doucette Robin M
1312 Courtney Dawn M [3] 826-7518
Courtney William 826-7518
Rammacher B [2] 828-1327
1315 Not Verified
1323 Malicki Edward P Sr [4]
Malicki Joyce A
Osborne Richard [2] 824-4649
Stack Timothy [2] 825-7304
THRUWAY INN drinking places 824-4649
1324 Matyjaszek Robert [4] 824-2418
Peters P [2] 823-5078
Rogers Tammy [2] 827-9396
A3 Not Verified
1325 Borowiak N W [2] 826-1671
Decker Mike [2] 822-3477
Ⓜ Lorenz Diana A 826-0758
1Ⓜ Sum Diana A

+HARRISON ST INTERSECTS
1326 BUFFALO CITY PUBLIC WORKS PARKS & STREETS DEPT 851-5670
BUFFALO GOVERNMENT OFFICES 851-5670
1327 1 Sarvis Edward S [4] 827-6978
2 Weaver Virginia R [9]+ 824-4340
2 Weaver Lynn M 824-4340
1329 Marchinoe Steven [2] 822-0330
Marchione T A [2] 825-8241
1345 CARRIAGE SHOPPE OF NY INC THE genl auto repr shop 822-7069

+LESTER ST BEGINS
1370 BUFFALO LABORERS TRAINING FUND constn oprn sch 825-0883

+HAYES PL BEGINS
1400 BUFFALO SITZMARKERS SKI CLUB membership sports'rec 941-6444
E R B COMPANY plmbg contr 825-1400
GO TOOL BOX DOT COM 825-6007
RIVERSIDE PLUMBING SUPPLY plmbg fittings'sup 827-0347
1445 LEN COMPANY LUMBER lumber'other bldg matl 822-0243

+KEATING ST ENDS

+MERGENHAGEN ST BEGINS
1467 FOREST CITY AUTO PARTS auto sup parts 828-0055

+RAILROAD CROSSES
1503 HUTCHINS AUTOMOTIVE SUPPLY COMPANY 823-1603

+BAILEY AVE INTERSECTS

· ZIP CODE 14210 CAR-RT C006

1518 Black Christina [2] 823-0432
Harper Mary B [9]+ 827-5903
1523 Mazurkiewicz Mark A [6] 822-2163
Mazurkiewicz Deborah K 822-2163
A Not Verified
1527 Booker William A [6]

+KEPPEL ST ENDS
1529 Spence James E [2] 823-6570
Spence Kathleen [2] 824-8873
1533 Fuhrmann Karen J [8] 826-1446
1535 Herbert Suzanne C [3] 823-7431
1536 AMERICAN AUTO SERVICE & TRANSMISSION 822-7777
1537 Parker Bonnie M [9]+
1540 MAYER BROTHERS CIDER MILL 696-2937
1550 E & E AUTO SERVICE autos new used 824-7919
1554 D AUTOMOTIVE auto repr shop 826-0027

+ARCHER AVE BEGINS
1572 CALKINS & COMPANY htg contr 823-2168
1580 AUTO ELECTRIC COMPANY auto repr shop 823-8200
1600 NIAGARA TRANSFORMER 824-2522
1615 LOUIE'S CAR CLINIC auto repr shop 823-6795

+ELK ST ENDS
1667 Critoph Keith [2] 827-0093
Swiderski Richard [2] 822-5249
1Ⓜ Carroll John J
1671 DREAMER'S restr 826-9739
1 Not Verified

+POMEROY ST ENDS
1675 DAVE'S AUTO SERVICE autos new used 826-9319
1685 Gleason Ronald [2] 826-2528
Korowski Joseph P [2] 828-0029
Mlodozeniec Martin [2] 824-6753
3-6 Not Verified (3 Apts)
1687 Herbert Mary E [2] 824-0338
Sealey C B [2] 826-9075
Tarquin Rupert Kristin [2] 827-4909
3-5 Not Verified (2 Apts)
7 Tarquin David E [7]

+VAN DUZER ST ENDS
1694 Glambrone George H & Susan [9]+ 826-7646
1697 Goodenough Anna M [4] 821-9060
1699 Helminski T [2] 823-7513
Serena Elinor [9]+
1701 Smith Michael [3] 824-2396
Smith Norma J 824-2396
1703 Clawson K [2] 826-2820
Stincelli Esther T [9]+ 822-9831
1704 Crocker Lynn [2] 824-1207
Lindenau E [3] 826-9056
1705 Curran C [4] 826-7340
Serach Rita [2] 826-7582
1706 2 Not Verified
1707 Robinson Thomas J [3] 822-9391
1Ⓜ Piano Ferdinando J Sr
1710 Guthridge Crystal [4] 823-2689

TP	Adjoining	Source
✓	✓	The Polk Company,City Directory

EXCHANGE ST 1998

EUGENE AVE

152 Gates James V & Doreen ⊞+ ♞ 874-6103
156 Corcoran John B & Lorraine ⊞+ ♞ 873-7542
164 Sullivan William J ⊞+ ♞ 877-3016

+LASALLE AVE INTERSECTS

176Ⓓ Prescott John F 873-9720
180 Ascheroft Robert B ⊞ ♞ 873-6561
184 Bird Harold ⊞+ ♞ 875-9530
185 Heigl James F ⊠ ♞ 875-8545

+MANG AVE INTERSECTS
+LINCOLN BLVD INTERSECTS
+VICTORIA BLVD INTERSECTS
+WESTGATE RD INTERSECTS
+WABASH AVE INTERSECTS
+TREMONT AVE INTERSECTS
+WASHINGTON AVE INTERSECTS

HOUSEHOLDS 30

EUREKA PL (BUFFALO)-FROM 349 SYCAMORE ST NORTHWEST

· ZIP CODE 14204 CAR-RT C021

24 Funderburk Michelle ⊞+ 856-7292
27Ⓓ Dawson D 856-8519
49 Jackson William E ⊞ ♞ 854-7509
62Ⓓ Vance W 845-6848
67Ⓓ Vance M E 849-0875

+GENESEE ST INTERSECTS

HOUSEHOLDS 5

EVANSTON PL (BUFFALO)-FROM 28 SIBLEY ST EAST

· ZIP CODE 14220 CAR-RT C023

14 Shanahan Kevin J & Colleen ⊞+ ♞ 823-2025
17 Skotnicki Mathw M ⊞+ ♞ 825-1918
18 Kenneally Jack C ⊞ ♞ 824-1880
22 Miranda Raymond S ⊞+ ♞ 822-9213
33 Cohen Margaret H ⊞+ ♞ 822-2715
36Ⓓ Horhota J M 823-6278
37 Sullivan Susan V ⊞+ ♞ 823-7003
41 Gold Harlan H ⊞+ ♞ 824-3759
44 Mahar Barbara M ⊞+ ♞ 827-6693

+AUGUSTA ST BEGINS

47 Mahar Kevin D & Joyce ⊞+ ♞ 823-6387
50 Curry Todd A ⊠ ♞ 827-7968
55 Hynes Joseph E ⊞+ ♞ 824-8684
62 Metelski Mary D ⊞+ 823-8034
Nicotera Eric B ⊞ 824-4985
63 Eagan Majella M ⊞+ ♞ 822-3522
67Ⓓ Arcuri Angelo 823-6782
Ⓓ Arcuri Kristin 823-6782
Ⓓ Langdon Kristin 823-6782
Ⓓ Langdon L 822-9039

+JULIUS ST INTERSECTS

HOUSEHOLDS 19

EVELYN ST (BUFFALO)-FROM 325 ESSER AVE SOUTHEAST

· ZIP CODE 14207 CAR-RT C011

19Ⓓ Hirsch Ward 877-6434
Ⓓ Runfola Samuel J 871-9296
20 Lier Betty A ⊞+ ♞ 873-3603
21 Praties Robert G ⊞+ ♞ 877-5780
26 Schmit Donald R ⊞+ ♞ 877-2281
33 Gauthier Margaret L ⊞+ ♞ .. 877-7230
34 Taylor Leo G Jr & Barbara ⊞+ ♞ 873-1057
38 Schmitt Wilbert P ⊞+ ♞ 873-3676
41 Perkins Richard D ⊞+ ♞ 874-2503
45 Schmit Vera T ⊞+ ♞ 875-0874
46 Baker William J Jr & Barbara ⊞+ ♞ 874-0988
49 Jopp Gerald E ⊠ ♞ 873-7698
50 Cavalieri J R ⊠ 876-0697
Ⓓ Czajkowski Joanne 447-9523
51 Hasbrouck August W & Lorraine ⊞+ ♞ 873-0663
52 Kirschner Rudolph J ⊞+ ♞ .. 877-5166
55 Rizek Barakat ⊠ 871-0428
56 Whittaker James R Jr & Linda ⊞+ ♞ 873-9039
57 Dressel William A & Marion ⊞+ ♞ 875-6727
58 Malasi Anna ⊞+ ♞ 873-0698
61 Keeley Helen A ⊞+ ♞ 876-8527
62Ⓓ Miklos John 876-1984
Shaffer Sandra A ⊞+ 873-4588
63 Wood Gary M ⊞+ ♞ 875-8690
64Ⓓ Czosek James 873-0620
67 Cheman Brian D ⊞+ ♞ 877-1007
68 Rantanen Shawn M ⊞ ♞ 873-4608
70 Phillips Donald L & Rita ⊞+ ♞ 876-7144
73 Schultz Viola S ⊞+ ♞ 877-2759
75 Skoney Thomas L & Antoinette ⊞+ ♞ 873-8293
76 Bartnik Walter J ⊞+ ♞ 877-6639
79 Valvo Leatrice J ⊞+ ♞ 876-1031
80 Baumgardner Jean B & Gilbert ⊞+ ♞ 875-1861
81 Adamczak Kenneth P & Beverly ⊞+ ♞ 873-7616

+ONTARIO ST INTERSECTS

115 Lamarco Louis F ⊞+ ♞ 876-5142
116 Kollmar Gordon F ⊞+ ♞ .. 873-4042
126Ⓓ McEvoy G 876-9787
127 Matyus Gary A ⊞+ ♞ 876-8775
128 Kelly Vincent T ⊠ ♞ 873-7942
131 King Susan M ⊞+ ♞ 877-0395
132 Appleton Wayne D ⊞+ ♞ .. 876-5587
133 Wright Robert A & Eileen ⊞+ ♞ 876-7319
138 Valentin Evelyn ⊠ 876-0079
139 Surdam Leonard P & Eleanor ⊞+ ♞ 875-8397
144 Ceryak Louis R Jr ⊞+ ♞ .. 875-9041
145 Owarez Stanley C ⊠ ♞ 877-0311
149 Flading Charles E ⊞+ ♞ 873-0112
151Ⓓ Robbins Jennifer ♞ 875-1913
153 Furyesi John S ⊞+ ♞ 876-1471

+RAILROAD CROSSES

HOUSEHOLDS 49

EVERGREEN PL (BUFFALO)-FROM 59 WOODBINE PL EAST

· ZIP CODE 14225 CAR-RT C047

12 Schaefer Jean F ⊞+ ♞ 634-5253
15Ⓓ Green Daj 692-5712
Ⓓ Petersdorf Charles L 632-4432
16 Chudy Gary R ⊞+ ♞ 632-0679
23 Johnson Reid L ⊠ ♞ 632-7447
25 Young Clarence J & Bettylou ⊞+ ♞ 632-4299

EVERGREEN PL

28 Sdbolewski Chester J ⊠ 631-2233
34 Digioia Charles D & Paulann ⊠ ♞ 634-0402
35Ⓓ Bager Nat 692-1945
MAUROS CONSTRUCTION plumb-htg-a/c 633-1544
Pietrantoni Mauro A & Angela ⊞+ ♞ 633-1544
2 Kelly Shawn M ⊠ 626-5836
39 Oxley Tina M ⊠ 633-3559
46 Slavik Michael B ⊞+ ♞ 633-2795
49Ⓓ Kosinski Glenn M 634-4186
50 Piechowiak Chester A & Irene ⊞+ ♞ 633-8574
54 Rohl Kathleen M ⊞+ ♞ 632-0711
55 Schlitz Keith C ⊞+ ♞ 633-7399
57Ⓓ Sturm John W 692-0625
61 Klick Margaret A ⊞+ ♞ 565-9507
70 Kolis Peter P & Stella ⊞+ ♞ 633-9426
78Ⓓ Tobin Brian 632-3682
81Ⓓ Ross Joseph 632-2078
91 Aiilo Lydia R ⊠ 633-9918
Austin Susanne C ⊠ 626-5723
Turkiewicz Rita M ⊞+ 634-3305
95 Emmanuele Pamela L ⊞+ ♞ 633-8110
101 Stellermann Helmut A & Anneliese ⊞+ ♞ 634-1611
102 Emmanuele Maryjane J ⊞+ ♞ 633-5376
Lis Robert G & Donna ⊞+ 632-4255

+MEADOW PL INTERSECTS

106 Szymczak Harry F ⊞+ ♞ .. 632-2706
107 Buchla Siegfried F & Carol ⊞+ ♞ 634-9578
110 McCann Allen J & Suzanne ⊞+ ♞ 634-6961
114Ⓓ Frigioni Anthony J 693-3014
116 Stilwell Raymond A ⊞+ ♞ .. 632-1705
124 Conrad Robert G ⊞+ ♞ 632-6935
127 Conway Michael D & Janet ⊞+ ♞ 633-8029
129 Moore James T ⊞+ ♞ 633-8263
130 Harrington Thomas M & Susan ⊞+ ♞ 633-7858
133 Kneitinger Robert E & Marie ⊞+ ♞ 632-0285
136 Halicki Estelle J ⊞+ ♞ 632-3979
137Ⓓ Sielski L 631-8593
146 Konecki Henry F ⊞+ ♞ 632-0287
149Ⓓ Hocko Janet 634-8711
Vandewater Thomas D ⊞+ ♞ 632-5392
150 Fox Jeffery J ⊞+ ♞ 633-8139
155 Olson Imelda C ⊠ 633-5913
158 Mongiovi Russell C ⊞+ ♞ .. 633-8177
161 Blachowicz Dennis P ⊞+ ♞ 633-5913
165 Szeglowski Julian M ⊠ 632-2450
169 Lonczak David C & Kimberly ⊠ ♞ 565-0123
172 Eberhardt Doris M & Albert ⊠ ♞ 632-2275
Ⓓ Empl Scott 631-3169
175 Hamman Pamela A ⊞+ ♞ .. 632-7833
178 Rowland Duane A & Dorene ⊞+ ♞ 632-8668
180Ⓓ Ivancic John G 693-1542
183Ⓓ Kaczmarek James J 632-5606
Swanekamp Bernard ⊠ 692-7972
186 Schugardt William G ⊠ 633-0998
191 Jamieson Barbara J ⊠ ♞ .. 633-1563
192 Berg Paula H ⊞+ ♞ 634-8476
193 Splatt Emily M ⊞+ ♞ 634-6943
196 Bohn Alvin R & Jeanette ⊞+ ♞ 632-4324
197 Switzer Jonathan J ⊞+ ♞ .. 634-9848
200 Balashevech Anna T ⊞+ ♞ 634-1325
210 Schrembs Margaret E ⊠ ♞ 632-1759
211 Massaro A ⊞+ ♞ 632-4486
217 Suggs Pete ⊞+ ♞ 632-1599
220 Dillmone Carl J ⊞+ ♞ 633-6457
221 Borowski Laurie A ⊠ 626-9537
226 Harris Reuben ⊞+ ♞ 634-7382
227 Smith Isabella D ⊞+ ♞ 634-6435
242Ⓓ Curry Robert J 692-9284
257Ⓓ Reinhardt Arnold 695-1207

+CLOVER PL INTERSECTS

BUSINESSES 1 HOUSEHOLDS 73

EXCHANGE ST (BUFFALO)-FROM 166 MAIN ST EAST

+WASHINGTON ST INTERSECTS

· ZIP CODE 14203 CAR-RT C007

50 CENTURY PARKING automobile parking 855-0737
75 AMTRAK INTERCITY RAIL PASS SERVICE switching term svcs 856-2075

+ELM ST INTERSECTS
+MICHIGAN AVE ENDS

· ZIP CODE 14204 CAR-RT C007

253 C W P D TRUCKING DISTRIBUTING COMPANY lcl trckg 852-7028
CITY WIDE TRUCKING bks prdcts nwsppr 852-7063

+LOUISIANA ST INTERSECTS

391 STETSON CHEMICALS chem alld prdcts 852-7245

+RAILROAD CROSSES
+HAMBURG ST INTERSECTS

· ZIP CODE 14210 CAR-RT C018

567 WATERBED LIQUIDATORS furniture stores 856-4400
568 Reyes Linda D ♞ 842-0259
639 OTIS BEDDING MANUFACTURING COMPANY INC mattresses bdspng 842-1127
59 K W TEXTILE mens/boys clothing 854-7481
650 ALP STEEL CORP fbrctsd strctrl mtl 854-3030

+LARKIN ST INTERSECTS
+VAN RENSSELAER ST INTERSECTS

801 COLAD GROUP commrcl printng 849-1776

+GRIFFITH ST BEGINS

920 RAMCOL FIBRES scrap waste mtrls 235-2240

EXCHANGE ST

+SMITH ST CONTINUES
+RAILROAD CROSSES

· ZIP CODE 14210 CAR-RT C002

929 Nowicki Alan J ⊞+ ♞ 822-6018
833Ⓓ Kania Alexander 821-9503
Ⓓ Kania Leonard 821-9503
Vogel Howard G ⊞+ ♞ .. 823-3425
938 Casapis Anastasios ⊠ 826-8918
939 Szyszkowski Edward J ⊞+ ♞ 824-7403

+ANDREW ALY ENDS

961 Debski Carl E ⊠ 823-1519
963 Zglinicki Eugene H ⊞+ ♞ .. 824-5171
965Ⓓ Weber A 822-9160
969Ⓓ Curry Brian 824-9577
Ⓓ Long M 828-0565
981 Kinkade Amy ⊠ ♞ 825-3021
983 Beutler Richard J Jr ⊠ ♞ .. 825-8209
991Ⓓ Dold Cynthia 827-8924
997 Starzynski Anthony W ⊞+ ♞ 822-8304
999Ⓓ Bastado Marguerite 827-9234
Ⓓ Bojanowski K E 821-9676
Ⓓ Minorczyk Helen 825-7491
1001 Kroll Deborah E ⊠ 826-3839

+DAYTONA PL ENDS
+SELKIRK ST ENDS

BUSINESSES 11 HOUSEHOLDS 20

EXETER CT (BUFFALO)-FROM 135 HIGHVIEW RD NORTHEAST

· ZIP CODE 14215 CAR-RT C034

1 Benard James ⊞+ ♞ 832-5481
3 Davis Martin E & Maryann ⊞+ ♞ 838-5284
4Ⓓ Hurley James J 834-5708
5 ARTISTIC IMPRINTS commrcl dsg 836-7418
Waliski Henry J ⊠ ♞ 836-7418
6 Mundy Paul E ⊞+ ♞ 833-4364
7 Hannotte James A ⊞ ♞ 837-8146
8 Boyd David A & Lorene ⊞ ♞ 835-8067
9 Nachbar Robert B ⊞ ♞ 837-1905
BUSINESSES 1 HOUSEHOLDS 8

FAIRBANKS AVE (BUFFALO)-FROM 2 ALDEN AVE NORTH

+KENMORE AVE INTERSECTS

· ZIP CODE 14223 CAR-RT C066

3Ⓓ Delair James J 835-4230
1 Sannes James M ⊞ 836-8439
11 7A Lechnowsky N J ⊠ 838-8244
A8 Barry Frank E & Martha ⊞ ♞ 836-3321
19Ⓓ Havey C 835-6763
24 Thom Donald R ⊞+ ♞ 835-3866
28 Ryan Kevin P ⊞+ ♞ 835-8611
36 Wild Josephine S ⊞+ ♞ 832-7061
37 French William T ⊞+ ♞ 832-1381
41 Domb Doreen ⊞+ ♞ 834-7792
42 Coppola Paul E ⊞+ ♞ 835-4577
47 Barone Ralph J & Jean ⊞+ ♞ 838-6238
51 Naylon William J & Susan ⊞+ ♞ 834-7806
52 Herman Marcia E ⊞+ ♞ 833-7405
56 Walter Howard J & Suzanne ⊞+ ♞ 837-6472
57 Burgio Rosemary A ⊞+ ♞ .. 833-0942
61 Grant Roger L & Deborah ⊞+ ♞ 836-9530
62 Gorton Scott D & Maria ⊞+ ♞ 838-4707
65Ⓓ Hodiak Daniel 837-0345
68 Vujnovic John J ⊞+ ♞ 834-8547
72 Antolina Charles S ⊞ ♞ 833-9625
78 Vandette Margarette A ⊞+ ♞ 837-7221

+WILTON PKWY INTERSECTS

92 Buecha Edward A ⊞+ ♞ 832-1267
95 Sloane Mark D ⊞+ ♞ 835-0527
96 Wendel William R ⊞+ ♞ 838-3837
99 Prendergast Peter J & Jean ⊞+ ♞ 834-6740
100 Hart Bruce T & Maryanne ⊞+ ♞ 837-7204
103 Sharrow Walter G ⊞+ ♞ .. 837-6414
104 Falcone Salvatore M Jr & Joanne ⊞+ ♞ 837-3843
107 Obrian Mark R ⊞+ ♞ 837-5786
115 Granger Sharon M ⊞+ ♞ .. 832-9131
116 Martineck James R & Sandra ⊞+ ♞ 862-9733
119 Kendall Elizabeth S ⊠ ♞ .. 833-5627
120 Gates Bud A & Gail ⊞+ ♞ .. 838-1823
124 Green Timothy J & Patricia ⊞+ ♞ 836-4358
127 Clark Dennis J & Rita ⊞+ ♞ 834-6147
128 Cultrara Barbara F ⊞+ ♞.. 836-8928
131 Lebert Charles K ⊞+ ♞ 832-7190
132 Bucholtz Robert J ⊞ ♞ 838-8816
136 Kamath David L ⊞+ ♞ 833-2001
139 Belser Edward J & Doris ⊞+ ♞ 832-7327
143Ⓓ Smyth M 832-4207
147 Mahoney James E ⊞+ ♞ .. 833-6033
148 Cimato Michael ⊞+ ♞ 834-5457
156 Modaffara Mark P ⊞+ ♞ .. 834-8538
160 Silverman Carol C ⊞+ ♞.. 834-7396
164Ⓓ Miller John P 834-0823
Sontag Debra J ⊠ ♞ 832-4041
170Ⓓ Webeck Elizabeth 833-9176
174 Notaro Joseph J & Matilda ⊞+ ♞ 835-3984

+ENGLEWOOD AVE INTERSECTS

HOUSEHOLDS 50

FAIRCHILD PL (BUFFALO)-FROM 577 LINDEN AVE NORTH

· ZIP CODE 14216 CAR-RT C013

1Ⓓ Rieth Hermann 873-2154
2 Pelonero James P & Mary ⊞+ ♞ 875-2621
Popko Helen D ⊞+ ♞ 875-5377
5Ⓓ Lawson Kevin ♞ 875-5719
6Ⓓ Sanfilippo Michael A 875-0140
9 Hoegerle Heinrich J ⊞+ ♞ .. 877-3255
10Ⓓ Rossitto Dominic A 873-5971
15 Corcoran Eugene P ⊞+ ♞ .. 873-1627
16 Monkelban Brian M ⊠ 873-5840
Ⓓ Schifano Michael 873-9353

FAIRCHILD PL

17Ⓓ Dicristsaro James 874-6608
19Ⓓ Fitzgibbons T 877-7032
Jackman Michael C ⊞+ ♞ 874-3833
20 Ippolito Salvatore ⊞ ♞ 876-4866
Ⓓ Piljay Robert M 871-5411
27Ⓓ Hawthorne Robert F 874-7548
Mingola David S ⊠ 874-8916
28 General Donald P ⊠ 871-1960
29 Evans Kenneth M & Ellen ⊞ ♞ 875-2829
37Ⓓ Housman R F 875-7559
Roeder Raymond E & Alice ⊞+ ♞ 873-6074
40Ⓓ Tucheyeckert C 871-9219
Ⓓ Tucheyeckert Richard 871-9219
43 Campisi Theresa A ⊞+ ♞ ... 873-4777
44Ⓓ Jablonski P 876-9116
Ⓓ Stepniak Steven J 877-9149
45 Tirone Stefano M & Serena ⊞+ ♞ 873-7108
49 Santora Margaret R ⊞+ ♞ .. 873-3739
52 Puma Albert M ⊞ ♞ 873-2829
54 Gullo Giuseppe ⊞+ ♞ 875-8871
Ⓓ Piardomenico L M 875-8871
58Ⓓ Brewster L 873-6350
2 Ortolano Samuel ⊞ ♞ 876-5252
63Ⓓ Burkethomas M 873-5160
65 Mierzwa Joseph S ⊞+ ♞ 876-4147
68 Gey Stephen J & Pamela ⊠ ♞ 874-0581
71 Giancola Vincent L & Tammy ⊞+ ♞ 874-5184

+TIOGA ST BEGINS

78Ⓓ Radjenovic Michelle D 873-7126
79Ⓓ Petrillo A 877-6184
83 Aldridge Maryellen E ⊞+ ... 873-0858
85 Cognato Patricia A ⊞+ ♞ 874-4984
88 Durning Dolly I ⊞+ ♞ 877-1568
91Ⓓ Calamita John 871-9618
95Ⓓ Collana Anna 874-8017
Lyons James M ⊠ 874-9345
96Ⓓ Bean E K 875-3621
Ⓓ Rozycki B 871-0908
98 Ford Loyd A ⊠ 873-5867

+DAKOTA ST BEGINS
+HERTEL AVE INTERSECTS

HOUSEHOLDS 48

FAIRDALE RD (BUFFALO)-FROM 59 FERNALD AVE NORTH

+LINCROFT RD ENDS

· ZIP CODE 14218 CAR-RT C006

65 Mingarell Katherine ⊞+ ♞ .. 825-5541
67 Sexton Jeffrey A ⊠ 821-9209
69 Nelson Mary D ⊠ ♞ 828-1465
83 Obrien Linda A ⊞+ ♞ 823-9440
85 Whalen Ronald A ⊞+ ♞ 822-1438
87 Howard Jerry A ⊠ 822-5164
89 Giancaterino Victor O ⊞+ ♞ 825-7596
91 Rogido Conchita ⊞+ 825-1942
97 Cardamone Anthony J Jr ⊞+ ♞ 827-8217
RIDGEWOOD LIMOUSINE SERVICE lcl pass trans 825-8754
101Ⓓ Stevens Cassie L 828-0595
105 Dillon Michael P ⊠ 822-9544
107 Bowers Irving J ⊞+ ♞ 822-2732
117Ⓓ Penn J 823-1398
119 Kuberski Patti A ⊠ 824-9579
121 Schlegel Chester J ⊞+ ♞.. 826-8398
123 Schlegel Barbara H ⊞+ 824-3602

+WINSTEAD RD ENDS

BUSINESSES 1 HOUSEHOLDS 16

FAIRELM LN (BUFFALO)-FROM 39 CONSTANCE LN NORTH

· ZIP CODE 14227 CAR-RT C006

9 Jozwiak Joan M ⊞ 885-3028
Ⓓ Lewandowski Robert 892-2756
11 Pulkownik Richard S ⊞+ ♞. 895-6959
13Ⓓ Harbaugh Ira H 897-4368
Ⓓ Vogel Eileen 892-4360

+ROSEMEAD LN ENDS

15 Barciniak James F ⊞+ ♞ 892-8376
16Ⓓ Cain Ronald K 895-0944
Ⓓ Esch Gilbert F 895-4188
Ⓓ Stephens Michael 896-0810
17 Stutz Doris M ⊞+ 834-6634
18 UNITED TRANSPORTATION UNION GO 621 switching term svcs 895-9440
21Ⓓ Guglielmi J 892-9542
Ⓓ Kowarko Mary 892-1452
Ⓓ Kowarko Mike 892-1452
22Ⓓ Moch J 896-0556
Thomann Shirley C ⊞+ .. 897-2144
23Ⓓ Kukula C 895-6253
Sousanidis Sophia ⊞+ ♞ .. 892-7165

+FAIROAKS LN BEGINS

25 Batsford Barbara A ⊞+ ♞... 895-8818
26 JERRY'S DAIRY dairy prdts 892-8964
Miller Gerald J Sr ⊞+ ♞ 892-8964
27 Kozlowski Harriet ⊞+ ♞ 895-5700
29Ⓓ Burzynski James P ♞ 894-5186
Glover Robin E ⊞+ ♞ 895-0552
31 Horner Eleanor ⊞+ 897-2197
Serniuk Gary M & Elizabeth ⊞+ ♞ 897-1973
35 Baranyckyj Dmytro ⊞+ ♞ .. 896-6009
39 Roman Joseph B & Mary ⊞+ ♞ 894-1655
42Ⓓ Parton Emerson G 895-7032
44 Zotara Leonard E ⊞ 896-6198
45 Alfes Joanne C ⊞+ ♞ 892-3413
46 Intrabartolo Charles M ⊞+ ♞ 895-8703
2 Gorny Kathleen M ⊞ 897-4349
47 Baranowski Leonard W & Evelyn ⊞+ ♞ 895-7544
48Ⓓ Agnew Robert 893-0691
Ⓓ Faulkner Judith A 893-0691
50 Parsula Angela B ⊞+ 895-8017
51 Farron David ⊞+ ♞ 894-8877
53 Monaco Luigi F ⊞+ ♞ 892-0646
55 Juda John N Jr ⊞+ ♞ 894-0615
56 Notaro Anthony J & Barbara ⊞+ ♞ 894-6545
57Ⓓ McFayden Joanne M 897-4647
59Ⓓ Perdziak Walter 897-1818

FAIRELM LN

61 Farber Rita C ⊞+ ♞ 894-2980
63 Cleric Ruth A ⊠ ♞ 892-2019
64 Makowski Maryann A ⊞+ ♞ 893-9714
65 Herzog Valdamar ⊞+ ♞ 897-3397
66 Pruchnowski Timothy M ⊠ ♞ 894-2140
67 Mackiewicz Joseph S & Eleanor ⊞+ ♞ 895-6457
69 McClaney Carl R Sr ⊞+ ♞.. 896-2583
70 Gaiser William J & Norma ⊞+ ♞ 892-0560
71 Jelowski Linda M ⊞+ ♞ 893-5224
73 Zaganiaczyk Wayne C ⊞+ ♞ 895-1357
74 Krolczyk Dennis M & Judith ⊞+ ♞ 896-7946
75 Ciesielski Jerry J ⊞+ ♞ 892-8366
76 Glanowski Henry C & Patricia ⊞+ ♞ 894-1299
78 Bajdas Timothy J ⊠ ♞ 893-2194
79 Domanski Edward V ⊞+ ♞ .. 895-7849

+BINK ST ENDS

82 Paoletta John P ⊞+ ♞ 894-0678
84Ⓓ Gould Harry M 892-5342
85 Saj Joseph J ⊞+ ♞ 892-4210
86 Chocholski William W ⊞+ ♞ 896-4577
87 Mertz Sandra L ⊠ 895-8644
88 Ratajczak Johanna & Ronald ⊞+ ♞ 897-0371
89Ⓓ Galvin Aimee M 895-9165
90 Portman Theodore J ⊞+ ♞.. 894-1824
91 Haefele Deanna M ⊞+ ♞ 893-6201
92 Smardz Alice B ⊞+ ♞ 896-1144
94 Dzieciuch Joseph E ⊞+ ♞.. 894-4684

+MARIE AVE ENDS

96 Ziolkowski Boleslaus J & Stella ⊞+ ♞ 891-4772
97 Wrobiawski Richard M ⊞+ ♞ 892-1759
100 Kania Jerome J ⊞+ ♞ 894-9131
101 Stulak David J ⊞+ ♞ 684-4906

+VERN LN INTERSECTS

109 2 Rummell Kelly A ⊠ ♞ 897-2654
110 Preto Emily B ⊞+ ♞ 894-0831
111Ⓓ Rummell Thomas H 894-5048
112 Valvo Frank S Jr ⊞+ ♞ 893-9021

+WELLS AVE ENDS

116 Isbrandt Randall H ⊞+ ♞.. 892-9775
118 Graney Ronald J & Carol ⊞+ ♞ 895-6353
119 Reiman Edward M & Jean ⊠ 894-7626
120 Silsby Jeffrey W ⊠ ♞ 894-2217
121Ⓓ Petranchuk Timothy A ♞.. 894-7604
123 Kochel Marian ⊞+ ♞ 895-9606
124 Johnson Robert E ⊠ ♞ 893-9429
127Ⓓ Crossett Jeff 892-6795
Ⓓ Przybylak Pauline 896-0576
129 Makowski James J ⊞+ ♞.. 894-7628

+SANDY LN ENDS

BUSINESSES 2 HOUSEHOLDS 85

FAIRFIELD AVE (BUFFALO)-FROM 491 KENMORE AVE NORTH

· ZIP CODE 14223 CAR-RT C071

14Ⓓ Walsh B 837-6305
18 Zawistowski Daniel J & Margaret ⊞+ ♞ 837-0967
22Ⓓ Hellriegel Arthur G 833-4605
Pershyn Robert S & Mary-Ann ⊠ ♞ 896-6782
28Ⓓ Walker M 838-1917
30 Ashford Frederick H ⊞+ ♞.. 837-4652
34 Hedges Patricia A ⊞+ ♞ 834-5574
Ⓓ Woods C 838-6376
35Ⓓ Daniels Michael 835-8767

+TILLOTSON PL ENDS

41 Brost Lorraine A ⊞+ ♞ 832-9546
42 Valentin Joyce M & Vincent ⊞+ ♞ 837-5921
45 Simmons David J ⊠ ♞ 836-3377
49 Oppermann Thomas R & Colleen ⊠ ♞ 833-6491
54Ⓓ Marinello Lisa 832-4481
57 Swaney Geraldine B ⊞ ♞.. 835-9419
60 Montante Patsy J ⊞+ 835-2032
Tulumello Carmella M ⊞+ ♞ 835-4248
63Ⓓ Neal Tyrone D 836-9774
68Ⓓ Galitsky V 838-6536
69Ⓓ Capezzi Rita 834-2624
Ⓓ Lowry Jeffrey 834-2624
70Ⓓ Martillo M 833-1353
76Ⓓ Remollino Mary B 834-5542
78Ⓓ Cox Courtney 838-8324
82Ⓓ Kelley L 832-4643
88 Jendrasik Chester J ⊠ 835-2572
90 Jackson J ⊠ 837-6046
92 Trapnell Shawn ⊠ 833-9658
99Ⓓ Zulewski William P Jr 832-4052

+ENGLEWOOD AVE INTERSECTS

103 Covert Duane A & Teresa ⊠ ♞ 832-1456
105Ⓓ Ryder Bonny 838-5709
Ⓓ Ryder David 838-5709
106Ⓓ Brooks Tamara 834-8905
Ⓓ Brooks Timothy 834-8905
Ⓓ Lewars M 862-0909
107 Arena James A & Katherine ⊞+ ♞ 835-1926
108Ⓓ Space Martha 836-7359
110Ⓓ Brown Michael A 836-1423
111 Maher Thomas A & Donna ⊞+ ♞ 831-9073
112 Chandler Kathleen A ⊞+ ♞ 833-6512
115 Page Marie M & John ⊞+ ♞ 836-8875
116 Ecker Kenneth J ⊞+ ♞ 837-2009
119Ⓓ Kolb Michael J ♞ 836-0995
120 Benzler Paul A ⊞+ ♞ 834-0967
122Ⓓ Krzeminski Lauren 833-9114
Ⓓ Stone William 833-9886
123 Gelman Diane M ⊞+ ♞ 836-1544
124 Mark Peggy ⊞+ ♞ 835-7207
127 Whittemore Ruthanne ⊞+ ♞ 836-5686
132 Miller David R & Cynthia ⊞+ ♞ 834-8065
135 Stack Richard F & Irene ⊞+ ♞ 832-4984
136 Reynolds Bennett M ⊠ ♞.. 832-4252
140 Brewer William F & Suzanne ⊞+ ♞ 834-4948
143 Felger Marvin C ⊞+ ♞ 832-2423
147 Bigler Marion E ⊞+ ♞ 833-3487

HAMBURG ST 1998

GUILFORD ST

92 Gordon Margaret L [B]+ ♠ 847-6757
102 Piper Larry D [B]+ ♠ 847-0819
105Ⓓ Rowell Cameron 854-0890
111 Crawford Reuben [A] 854-1562
115 Livingston Lillian M [B]+ ♠.. 856-8509
118 Bogan Pearlene [B] ♠ 853-1458
120 Stevens E [B]+ ♠ 854-2168
122Ⓓ Union C B 854-3983
123 Williams Dell J Jr [B] 847-1047
127 Battles Christine [B] 854-1936
135Ⓓ Wilson H 849-2919

+SYCAMORE ST INTERSECTS

· ZIP CODE 14211 CAR-RT C008
175 Williams Paul E [B] ♠ 852-8502
181Ⓓ Peete P 895-8050
187Ⓓ Lewis V 896-7061
193Ⓓ Garden J 894-0998
207 FURNITURE DISTRIBUTION COMPANY furniture 894-8044
218 Anthony Clifton J Jr [B]+ ♠ 896-5169
226 Fewell Nancy L [A] ♠ 891-1167
230Ⓓ Simpson Allen C 892-1375
232Ⓓ Chambers M A 893-1702
Ⓓ Sampson Saundra 897-4835
242Ⓓ Sanders Deborah 892-1585
Ⓦ Williams M 895-8794
244Ⓓ Guyton Linnel 897-1922
251Ⓓ Benjamin Robert 893-2388
Ⓓ Starks Ruby 892-7225
257 Millender Willie L [B]+ ♠ 893-3401
258 Brown Linell F [3] 894-4597
259Ⓓ Boyd Margaret 894-0880
260 Narain Edna O [B]+ ♠ 895-3712
264 Childs William [3] 892-0412
279 BUFFALO YOUTH YOUNG ADULTS CHORAL nrsdntl bldg optrs 897-1441
333 Messmer Michael [2] 895-0319
334 Robinson James T [B] ♠ 895-4157
342 Brown Dolores Z [B]+ ♠ 892-6072

+GENESEE ST INTERSECTS

355 Wilson Willie L [B]+ ♠ 891-5342
357Ⓓ Booker Jessica 897-2636
360Ⓓ Smith Deborah 897-0998
361Ⓓ Coleman S 896-4327
Ⓓ Smith Mylo 892-7166
367 Griffin Charles M [B]+ ♠.... 894-5883
370 Green Lindsey L IV [B]+ ♠ 892-6411
371Ⓓ Armstead Major 892-5482
Winn Mamie [B]+ ♠ 892-5608
377Ⓓ Adams J M 894-2353
384 Robinson Frederick [B]+ ♠.. 891-8708
389 Moore Robert J [B]+ ♠ 894-6040
390Ⓓ Roberts Susan 894-5008
393 Booze Tara S [B] ♠ 894-3732
396Ⓓ Clark J E 895-6545
397Ⓓ Booze Y 895-3462
401 Rifenburg Gerald T [B] ♠ ... 688-0732
403Ⓓ Samuel Maxine A 893-7962

+BEST ST INTERSECTS

BUSINESSES 2 HOUSEHOLDS 59

GULL LNDG (BUFFALO)-

· ZIP CODE 14202 CAR-RT C013
204 Fehr John P [B] ♠ 855-2419
Ⓐ Ortizfehr Elvira 853-5727
303 Gullen Matthew E & Constance [B]+ ♠ 852-0817
305Ⓓ Czech Julieann A ♠ 854-5709
402 Anthone Roland R [B]+ ♠ .. 856-6276
403 Klenk Louise B [B] ♠ 842-6554
404 McGennis Peter W Sr [B] ♠ 847-0204
407 Daly Ellen J [B]+ ♠ 856-3930
HOUSEHOLDS 8

GULL ST (BUFFALO)-

+NIAGARA ST INTERSECTS

GUNNELL AVE (BUFFALO)-FROM 549

SAINT LAWRENCE AVE NORTH

· ZIP CODE 14216 CAR-RT C003
6 Speidel George A & Penny [B]+ ♠ 875-2323
14 Strauss Marion [B]+ ♠ 877-1806
15 Dewald Richard E [B] ♠ 871-1167
18 Ilecki Richard J & Anita [B]+ ♠ 874-4308
19 Jones Helen J [B]+ ♠ 875-1874
Ⓓ Sirect Audrey M 873-6850
SNOWPLOWING lawn garden svcs 873-6850
22Ⓓ Pellien Dorothy 873-5010
Ⓓ Pellien Franklin 873-5010
26 Dauria Salvatore M & Angeline [B]+ ♠ 876-3724
27 Cornell Edna M [B]+ ♠ 877-8831
30 Kapodistria Thomas & Carol [B]+ ♠ 875-2538
31Ⓓ Gardner Shawn 877-7108
34 Bruno Frances E [B]+ ♠ 875-2525
44 Henderson Stephen M [B] ♠ 875-3455
45 Cook Carol A [B]+ ♠ 876-1547
48 June Phillip T & Marion [B]+ ♠ 873-5793
54 Connell Michael A [B]+ ♠ 877-5594
61 McMahon Warren T [B]+ ♠ .. 875-1464
64 Valvo John R [B]+ ♠ 877-8617
67 Howell Marylou L [B]+ ♠ 873-7909
68 Hipkins Florence I [B]+ ♠ 876-6818
71 Kersch Thomas G [7] ♠ 874-8839

+KENMORE AVE INTERSECTS

BUSINESSES 1 HOUSEHOLDS 22

HAGEN ST (BUFFALO)-FROM 2022

GENESEE ST NORTH

· ZIP CODE 14211 CAR-RT C017
16 Schulz Gary M [B]+ ♠ 895-4090
17Ⓓ Rea Dana S 893-3221
20 Scott William R [B] ♠ 895-7139
24 Normandin Troy J [B]+ ♠ 896-4376
27 Garrow Victor P [B]+ ♠ 893-4672
28Ⓓ Mahoney J 896-0249
31Ⓓ Ringler Dennis M 894-3769
32 Schirching Christy L [B] ♠... 891-5632
Tuberdyke Mark A [2] ♠ 894-4916
35 Johnson Rhonda C [2] 895-0405
36 Taylor Linda A [B]+ ♠ 896-4163
42 Taylor John O [B]+ ♠ 897-2843
TAYLOR MADE DESIGN cstrn cmptr prgmg sv 896-2412
51 Kujawa Christine C [B]+ ♠... 895-3502
55Ⓓ Barnwell Diamond 897-2257
Ⓓ Brown M G 893-2071

HAGEN ST

56 Parisi James J [B] ♠ 894-4015
63 Dondajewski Sophie [B]+ ♠.. 896-1762
64 Hernandez Nicholas F & Michelle [B]+ ♠ 894-8752
67Ⓓ Jones M 896-8450
Ⓦ Wheeler Marcia 897-5047

+KERNS AVE INTERSECTS

76 Jones Catherine [B] ♠ 892-0611
81Ⓓ Tillman Towana D 895-8575
83 Martin Andrea S [A] ♠ 893-5917
88 Pratt Elissia C [2] 896-8801
92 Pittman Edith R [2] 895-1467
95 Bolden Martha L [B]+ ♠ 894-5579
96Ⓓ Richardson Annette ♠ 895-8748
100 Lewandowski Raymond F & Dorothy [B]+ ♠ 894-2191
103 Adamson Mary E [B] ♠ 894-7762
104 Spranger John E [B]+ ♠ 892-2028
107 Lederer Deborah A [B]+ ♠.. 892-6724
111 Roehner Robert J & Veronica [B]+ ♠ 897-2751
116 Badding Madelyn J [B]+ ♠ .. 892-5612
119 Hamilton Lazette M [B]+ ♠.. 894-2338
120 Childs Marcita G [3] 895-8573
122Ⓓ Cleggett J M 892-7386
126 Sadowski Katharine A [7].... 894-6833
129 Myles Michael J [5] ♠ 893-5247
130Ⓓ Hairston Sidney 892-9275
133 Reid Robert C [B]+ ♠ 895-6749
134Ⓓ Gillette B P 897-7175
Ⓦ Smith Richard 895-3856
137 Pope Carolyn A [2] 896-4658
138 Spyra Dennis S & Linda [B]+ ♠ 896-0802
Ⓦ Hojdan T A 894-8487

+LANG AVE INTERSECTS

· ZIP CODE 14215 CAR-RT C005
153Ⓓ Harris Clifton 894-2420
158 Minger Jacob & Anna [B]+ ♠ 892-9425
159Ⓓ Romano Anthony J 894-8907
165Ⓓ Hale Louise 895-5569
170Ⓓ Lewandowski David P 895-0967
Piatkowski Frank J [B]+ ♠ 892-9593
171Ⓓ Tabile Nabih 891-8554
175Ⓓ Fetzner Vera M 893-3678
Olen Chester R Sr [B]+.. 893-1028
176 Bozeman Maxine Q [B] ♠ .. 893-4930
179 Fox Kenneth W Sr [B]+ ♠.. 893-6807
Keller Lorraine C [B]+ ♠. 892-6159
181 Mayer Isabella I [B]+ ♠ 895-7498
184 BILINGUAL BABES comptr softwre str 894-5150
Petty Damon M & Adrienne [B] ♠ 894-5150
188 Miranda Dominic G [B]+ ♠. 896-8618
196 Holland Devrin M [5] ♠ 892-1764
Ⓦ Marshall T Y 895-4012
202 Hohle Randolph H & Maryellen [B]+ ♠ 891-4911
205Ⓓ Anderson R 891-5168
211 Smirnow Victor & Christine [B]+ ♠ 897-5054
213 Johnson Patricia A [B] ♠ .. 891-0340
216 Zoanetti Judith P [A] ♠ 897-3128
219 Martin Dennis R [2] 891-9810
220 Smigiera Rita F [B]+ ♠ 893-8523
223 Depczynski Stanley H Jr & Rosemary [B]+ ♠ 896-8675
233 Heine Virginia M [B]+ ♠ 894-0266
241 Happ Jack M [B]+ ♠ 896-7794
248Ⓓ Degweck Kevin 895-5280
255 Williams Gilbert J [B]+ ♠ .. 892-5715
256 Collier Anthony S Jr [B]+ ♠ 893-5658
260 Wolter Carrol L [B]+ ♠ 891-4699
261 Zangara Robert J [B]+ ♠.... 893-1871
265Ⓓ Clark Elizabeth 893-8914
266Ⓓ Wachenheim Albert 893-6946
Wackenhein Albert C [B] ♠ 893-6946

+E DELAVAN AVE INTERSECTS

BUSINESSES 2 HOUSEHOLDS 80

HAGER ST (BUFFALO)-FROM 332

NORTHLAND AVE NORTH

+WOHLERS AVE ENDS

· ZIP CODE 14208 CAR-RT C020
15 Bryant Virginia K [B]+ ♠..... 883-6392
17Ⓓ Truesdale Michael 882-4809
20 Murphy Mattie R [4] 886-5339
24 Rivera Joyce D [B]+ ♠ 885-1366

+FLORIDA ST INTERSECTS

43 Bailey Novaletha J [B] ♠ 881-1048
49 Tobias Grace M [B]+ ♠ 883-4155
53 Young Emerson E [B]+ ♠ 883-3627
55 Guy Elbert J Jr & Joanne [B]+ ♠ 884-0312
Ⓓ Chapman M L 883-0453
Ⓓ Fenske E A 881-5056
Ⓓ Foster L M 883-7422
Ⓓ Frampton Lillian V 881-0620
Ⓓ Grytten Leif 883-4096
Ⓓ Hall D 882-6936
Ⓓ Harlock Amber 885-9155
Ⓓ Hyzy Charlotte 883-0275
Ⓓ Irvine Bertha 883-1839
Ⓓ Karch C 885-5424
Ⓓ Katz Herbert 884-2998
Ⓓ Kuzil Annie 882-6505
Ⓓ Lenk Anna 886-5972
Ⓓ Loveland Lillian 886-2910
Ⓓ Mann Edward 882-2213
Ⓓ McDonald R 881-3108
Ⓓ Mix E 884-5099
NIAGARA LUTHERAN HOME & REHABILITATION skild nrsng cr fclt 886-4377
Ⓓ Peifer Dorothy M 886-0664
Ⓓ Peter E M 885-2054
Ⓓ Pollera Victor 885-1685
Ⓓ Prouty R 886-6850
Ⓓ Reinbolt Lois J 884-0676
Ⓓ Roesler Helen 885-4540
Ⓓ Schramm William A 881-3083
Ⓓ Steinke A M 886-7316
Ⓓ Summe R 883-5902
Ⓓ Will M 884-8706

HAGER ST

67 Martin John F [B]+ ♠ 883-3577
77 Bell Hiawatha [B]+ ♠ 882-3037

+E DELAVAN AVE INTERSECTS

BUSINESSES 1 HOUSEHOLDS 38

HALLAM RD (BUFFALO)-FROM 232

MIDDLESEX RD NORTH

· ZIP CODE 14216 CAR-RT C022
24 Hartnett Thomas P [2] 874-3987
25 Ramsey Robert W & Helen [B]+ ♠ 875-0267
35 Goldberg Louis J & Carla [B] ♠ 877-3241
39 Banta Melissa W [B]+ ♠ 876-4735
47 Saab Joseph R [B]+ ♠ 874-0115
55 Sheets Jane F [B]+ ♠ 877-4184
62 Lazar Eliot S [B]+ ♠ 875-6671
63 Nowakowski William E [B] ♠ 875-7044
Ⓓ Turkiewicz M L 875-2401
69 Griggs Terrell M [B]+ ♠ 875-3363
72 Romanello James C & Jeanne [B]+ ♠ 877-2340
73 Meilman Jeffrey G [B]+ ♠ 875-8152
78 Hitzges Richard A & Patricia [7] ♠ 876-7258
81 Stevens Raymond D Jr [B]+ ♠ 876-3363
84Ⓓ Bagdasarian Norik 874-9855
90 Wettlaufer Emily W [B]+ ♠ .. 875-0171
95 TRIEPEL JOHN F busn svcs 873-9797
Williams Reginald V Jr [B]+ ♠ 873-9797
98 Brock Walter [B]+ ♠ 875-1599
101Ⓓ Turner James 874-1574
Ⓓ Turner Margaret 874-1574
TURNER J T COMPANY carpentry work 874-4447
102 Gigante Joseph A [B]+ ♠ .. 874-3647

+BEDFORD AVE INTERSECTS

BUSINESSES 2 HOUSEHOLDS 21

HALLER AVE (BUFFALO)-FROM 1136

WALDEN AVE NORTH

· ZIP CODE 14211 CAR-RT C003
15 Schwartz J [2] 895-3212
16Ⓓ Kohl Eleanor 891-5967
Rees Richard W [7] 896-7244
18 Segit Mary [B]+ 895-9161
Ⓦ Wyrzanowski Alfred S.. 892-9419
19 Yerger C [3] 892-3170
20 Lis Richard J [B]+ ♠ 893-6593
24Ⓓ Griswold Franz 893-5489
Ⓓ Jasinski L M 896-9241
25Ⓓ Page L 897-1173
26 Dojka Eugene P & Florence [B]+ ♠ 893-6819
28Ⓓ Hamann Rolland 894-7288
32 Krzeminski Narcis F [B]+ ♠.. 896-7327
35Ⓓ Lizak Kevin 893-4592
Ⓓ Lizak Walter A 894-3198
Ⓓ Russell B A 896-2560
39 Chowaniec Joseph E & Maryann [B]+ 896-0473
42Ⓓ Cummings Douglas 895-0340
Lipp Daniel J [B]+ ♠ 894-6842
43 Twardowski Donald G [B]+ ♠ 896-5099
44Ⓓ Marth D 892-1008
45 Umlauf Linda S [2] ♠ 893-9066
I Keuck Judith L [2] ♠ ... 891-9709
49Ⓓ Laplante Brian 891-8744
50 Falkiner Rosemary N [B]+ 897-5175
Radel Charles G [7] 895-8179
51Ⓓ Hinkley Donald 894-0349
57Ⓓ Obrien Alan 894-3799
Ⓓ Obrien Lynne 894-3799
Ⓓ Obrien Scott A 896-3930
60 Bancerowski Delphine C & Alexander [B]+ ♠ 895-6047
62Ⓓ Gajkowska E 895-2165
65 Carr Judith L [4] 896-2054
66 McGovern B J [2] ♠ 894-0317
67Ⓓ Robinson Kathryn 896-0372
Ⓓ Robinson Michael 896-0372
Ⓓ Wojtusiak Philip A 892-6067
75 Bajer Paul A [4] ♠ 896-4045
Lofft Joseph M & Colleen [4] 891-4755
79 1 Sadowski Gerald M & Kathleen [B]+ ♠ 894-6873
80 Grucza Dorothy J [B]+ 894-8316
Ⓓ Santini Karen 895-7339
91 Barnes Richard T & Darce [B] ♠ 892-6694
BARNES RICHARD mgmt cnsltng svcs 897-3630
Ⓓ Zajac N 893-6636
96 Borowski Jerome J [B]+ ♠ ... 892-2308
Ⓓ Branch M 895-6965
103 Forman Serafina R [B]+ ♠. 897-4013
105 Brown Joseph L & Annemarie [B] ♠ 895-7919
Vandrei Janet M [2] 895-8429
106Ⓓ Schrodt Roy 891-8927
107Ⓓ Kruszynski C 895-8280
109 Witek Joseph J [B]+ ♠ 894-5554
110 Szczepanski Rita [B]+ ♠ 892-5153
111 Macro Timothy P [B]+ ♠ 892-0489
115Ⓓ Craig Donna S ♠ 896-8587
116Ⓓ Fairchild L 891-9784
118Ⓓ Clark Joseph 896-8540
Ⓓ Owens Elisha 896-1156
120Ⓓ Rizzo Thomas ♠ 895-6001

+DOAT ST INTERSECTS

122 Dedline Thomas J & Linda [4] 893-1806
Ⓓ Pieri K 895-4735
123 Sucharski Leo F [B]+ ♠ 894-6603
130Ⓓ Karpik Frances 894-6835
133 Nowicki Celia F [B]+ ♠ 894-5204
141 Warner Michael M & Marcia [B]+ ♠ 897-3852
142 Latala Alvin D [B]+ ♠ 892-0241
143 Novak Richard A [B] ♠ 896-7256

+WILDY AVE INTERSECTS

BUSINESSES 1 HOUSEHOLDS 67

HALSTEAD AVE

· ZIP CODE 14212 CAR-RT C013
15 HALSTEAD INN drinking places 894-3848
24Ⓓ Dennee Beverly 893-5394
27 Nowicki Susan F [B] ♠ 895-2174
28 McArthur Arthur J & Patricia [B]+ ♠ 893-9008
30 Nowak Thaddeus C [B]+ ♠ .. 893-3667
38 Caggiano Michael B [B]+ ♠.. 896-3297
48Ⓓ Herlan M 893-8759
Ⓓ Zolnowski Stanley 892-0538
52 Lundquist Scott D & Jill [B] ♠ 894-7462
56 Panfil Stanley J Sr [B]+ ♠.... 893-4402
62 Kapinos Harry S & Dolores [B]+ ♠ 895-4169
66 Anderson Keith A [B] 893-0527
Kirsch Gerald P [B]+ ♠ 895-7010
69 Carey Patricia J [B] 892-1804
72 Rott Dolores M [2] ♠ 894-0409
78 Pilarski Jane E [B]+ ♠ 895-2820
79Ⓓ Johnson Robert 894-1876
81 Weber Richard S [B]+ ♠ 891-4560
84 Grzedzicki Ralph B [B]+ ♠.. 894-6645
87 Kelleher Denise L [3] 896-7248
Ⓓ Reichert T 891-8997
Smith Robert W & Debra [B]+ ♠ 896-6008
90Ⓓ Crowe M M 897-4952
Mertz Herbert C [B]+ ♠... 892-1781
95 Tabisz Wacław T & Anna [2] ♠ 897-4820
97 Shaw Fred [B]+ ♠ 895-4176
98Ⓓ Gearhart S 894-9737
Kushnick Jeffrey B [A]..... 896-5082
Ⓓ Pingrey Timothy 894-9379
Ⓓ Seeley Gary 892-8694
103 Jaroszewski Robert P [B]+ 891-9617
Ⓓ Pilarski A 897-3423
Ⓓ Roncone K 893-7295
2 Burch Kimberly L [B]+ 893-7295
108 Goodell Joyce A [B]+ ♠..... 894-5621
112 Buchalski Elaine A [B]+ ♠.. 895-0560
115 Purpora Gary S & Susan [2] ♠ 897-1758
Ⓦ Walter Richard A 894-6662
121Ⓓ Kowalewski Edward J 894-1593
122Ⓓ Szymankiewicz Jackie 895-8448
Ⓓ Szymankiewicz Michael 895-8448
123Ⓓ Bethin Daniel 896-1570
Ⓓ Bethin Laura 896-1570
Ross Amy L [2] 895-4575
133 Szemenciak Peter & Celestine [B]+ ♠ 893-7799
134Ⓓ Germain Monika 894-9574
Whiting Rosemary E [2] ♠ 896-6771

+GATES ST BEGINS

140 SENIOR CITIZENS CENTER indvdl family svcs 897-1389
141 Owen Donald D [B]+ ♠ 896-1036
143Ⓓ Sobczynski Arthur W 892-4738
Ⓓ Sobczynski Kenneth 895-3179
153Ⓓ Carr Joelle 891-5788
165 Barry T J [B]+ ♠ 894-1911
166 WOODROW WILSON ELEMENTARY SCHOL elmntry scndry sch 891-6419
167 Arriola Vivian F [B]+ ♠ 893-5904
189Ⓓ Green L 896-2619
190 Piskunowicz Richard W [B]+ 893-3787
194 Ostempowski Irene L & Frank [B]+ ♠ 894-6934
195 Czwojdak Michele [B]+ ♠.... 893-4724
201 Radomski Emily J [B]+ ♠ ... 892-8272
202 Zwick John P [B]+ ♠ 893-4149
203 Wlodarczyk James P & Donna [B]+ ♠ 892-7530
207 Ziemba Ann M [B]+ ♠ 895-2485
208 Hill Phil [B] ♠ 894-7334
211 Wiertel Frank R [B]+ ♠ 894-5220
215 Hajduk Alice H [B]+ ♠ 893-9390
218Ⓓ Cieslak Paul 895-4806
Cieslakk Paul & Lois [B]+ ♠ 895-4806
Ⓓ Macaulay Douglas 896-7181
219 Kujawa Eugene J [B]+ ♠ 894-6484
222 Jankowski Edwin J [B]+ ♠.. 894-7854
223Ⓓ Pajonk John 893-2744
228 Kolbert Thomas S [2] 892-2098
Ⓓ Neuhauther Michael 894-2527

+REIMAN ST INTERSECTS

229 Kirsch James G & Eileen [B]+ ♠ 893-7140
230 Oczowinski Michael E [B]+ ♠ 895-8068
237 Wlodarczyk Stanley J & Eugenia [B]+ ♠ 897-1237
239 Wnuk Felix J & Kathryn [B]+ ♠ 894-3249
241 Neff William C [B]+ ♠ 892-4229
243Ⓓ Batts Wilbur E 893-1652
246Ⓓ Nikel Ricky 894-8117
248 Czerniejewski Madelyn M [4] ♠ 891-8223
Ⓓ Czerniejewski Madelyn M 891-8223
Ⓓ Polakiewicz G 896-9706
253 Bystrak Stanley R Jr [B]+ ♠ 892-2882
262 Acquard Margaret E [B]+ ... 894-0113
Hammer David J & Deborah [B]+ ♠ 897-0122
265 Bamal Edward [B]+ ♠ 894-7556
270 Dubaj Thaddeus H [B]+ ♠.. 895-9472
275 Dubaj Kenneth K & Deborah [B]+ ♠ 892-9221
277 Connors James F [B]+ ♠ 893-6624
280 Guminski Alfred S & Frances [B]+ ♠ 893-0941
287 Ostempowski Jerome A [B]+ ♠ 895-4608
288 Jozwiak Edward R [3] 894-5007
292 Russo Carl A [B]+ ♠ 895-7622
303 Mlotkowski Theodore A [B]+ ♠ 894-1825
304 INDUSTRIAL MAINTENANCE SERVICE bldng maint svc 896-3922
307 Musialek Maryann A [B]+ ♠ 897-3508

+BROADWAY ST INTERSECTS

BUSINESSES 4 HOUSEHOLDS 96

HAMBURG ST (BUFFALO)-FROM 199

SOUTH ST NORTH

· ZIP CODE 14204 CAR-RT C013
16 Foster Mattie L [B]+ ♠ 856-2190
22 Carney Patricia A [B] ♠ 856-1741
34 Leon Francisco J [B]+ ♠ 852-7267
43 DIEDERICH ENTERPRISES genl wrhsg 854-1318
TEAM FREIGHT frgt trans arngmnt 854-8326
44 Cook Herbert E [4] ♠ 845-0154
60Ⓓ Cook Thomas H 853-5719

+RAILROAD CROSSES

+REPUBLIC ST ENDS

73 MCCARTHY GENE drinking places 855-8948
79 Keller Michelle L [B]+ 856-4389
86Ⓓ Schultz K 842-0819
Seeley Thelma L [2] 856-8962
90 Balester Anthony C Jr [B]+ ♠ 847-6219
Ⓓ Kotrys S 847-2887
Ⓓ Rambeck Francis 853-8643
Ⓓ Swenson M T 856-2757
92Ⓓ McCarthy J 856-3746
Ⓓ Simonick Joseph M 854-5580
94 Thompson Thom C [B]+ ♠ .. 842-1426
96 Mulnix Judyann A & Wesley [B]+ ♠ 856-2087
104 Andula Raymond E [2] ♠ ... 852-8966

+OCONNELL AVE BEGINS

125 CASEY DELI grocery stores 856-3468
126 Stover Charles G [B]+ 856-4263
128 Dyczek Mary E [B]+ ♠ 854-7081
129Ⓓ Rej Stanley 842-9233
131Ⓓ Frankhauser Frederick 852-4773
134Ⓓ Hartenstein Clarence 852-7314
Ⓓ McClain E 852-8637
140 Cleary Julie M [B]+ ♠ 854-3793
141Ⓓ Housler L A 856-7486
142 Burke Thomas W [B]+ ♠ 856-0634
143Ⓓ Casey Roxanne 847-1215
144Ⓓ Casey Thomas M 842-6914
145 Catanzaro Patricia M [B]+ ♠ 852-5255
Kukulka Stanley J [B]+ 856-5681
149 Bannister Suzanne E [B]+ ♠ 849-0143
151 Tolkacz Edward J [B]+ ♠ ... 847-6774
152 Connors Timothy S [B]+ ♠. 847-0359
153 Britzzalaro Brian J [7] ♠ 852-4109
158 Lukomski Daniel T Jr & Dolores [B]+ ♠ 854-0317

+MACKINAW ST BEGINS

+RAILROAD CROSSES

190 Wojtasik Stanley J [B]+ ♠... 852-2604
191 Manfredo Frank J [B]+ ♠.... 855-0809
200 Merville June M [2] 847-8483
Olson Ronald F [B]+ ♠ 854-8033
202 Zlotek Adele D [B]+ 852-4421
204 Gorkiewicz Stanley F [B]+ ♠ 854-1666
211 Mann Donald M [B]+ ♠ 856-9731
215Ⓓ Michel Agnes 854-5486
219Ⓓ Gladkowski M 856-1366
Smith Sara M [2] 842-6732
220Ⓓ Sullivan Deborah 842-6686
221 Lillis David P [B]+ ♠ 842-1860
222Ⓓ Lawson Mary M 852-8043
224 Jasinski Chester W [B]+.... 854-3389
225Ⓓ Osullivan Brian 842-2723
226 Niedzwiecki Paul R [B]+ ♠. 856-1136
228Ⓓ Ryszka Stanley 842-6507
230Ⓓ Fara S 856-0883
Ⓦ Walker V 842-1775
231Ⓓ Egana E 852-5446
Ⓓ Torres Alex 849-1208
236 Londo William C & Sandy [B]+ ♠

+S PARK AVE BEGINS

265 Laberta Cheryl A [3] 855-0043
267Ⓓ Lorenzo J 856-4864
269 Carpino James M [B]+ ♠.... 856-9019
273 Bartlett Thomas L & Alice [B]+ ♠ 855-2700
275 Godwin William J [B]+ 855-3834
Ⓓ Price O 852-8339

+FULTON ST BEGINS

289Ⓓ Ahmed Saad 854-6534
PROGRESS FOOD MARKET grocery stores 847-2525
294 Jackson Toshawntr R [2].... 853-9113
Ⓓ Ponzo Margie 856-6214
2 White Mattie L [2] 847-0950
297 Dietrich David T [4] 842-1224
Ⓓ Tuzzalo Helen A 847-6091
298 Dalton Lisa A [2] 855-2755
Ⓓ Harris Earl 853-3251
6 Hernandez Xiomara [3] 845-0834
312Ⓓ Flakes Joseph J Jr ♠ 882-2187
Ⓓ Patterson C 847-1238
316Ⓓ Otero J 854-3912

+PERRY ST BEGINS

· ZIP CODE 14204 CAR-RT C004
334Ⓓ Marrero Izamari 854-6846
4 Rivera Angel L [4] 856-6052
363 ARMAGEDDON FURNITURE COMPANY furniture stores 852-2050
COLONIAL FOAM hsehld frnshngs 855-1818
DECKS UNLIMITED CONSTRUCTION COMPANY sngl-fam hsng cnstr 845-6020
PERMA TECH fbrctd strctrl mtl 854-0707

+RAILROAD CROSSES

+EXCHANGE ST BEGINS

+RAILROAD CROSSES

+SENECA ST INTERSECTS

505Ⓓ Prost Stephen 849-7226
519 BUFFALO CYLINDER TESTING busn svcs 847-1424
MESMER REFRIGERATION refrgtn equip sppl 855-0575

+MYRTLE AVE INTERSECTS

+SWAN ST INTERSECTS

+S DIVISION ST BEGINS

+JEFFERSON AVE INTERSECTS

BUSINESSES 11 HOUSEHOLDS 78

HALSTEAD AVE (BUFFALO)-FROM 1482

LOVEJOY ST NORTH

· ZIP CODE 14201
16Ⓓ Witkowski J ♠ 675-2664

LAMSON RD

Fein Irving [B]+ 837-4739
S & S PRODUCTS COMPANY
grcrs rltd prds 837-4739
BUSINESSES 5 HOUSEHOLDS 46

LANCASTER AVE (BUFFALO)-FROM 1301 DELAWARE AVE WEST

· ZIP CODE 14222 CAR-RT C021
26 Easton Rosalind G [B]+ 884-0975
Howard Heather L [B] 884-7120
@Okulewicz Douglas 883-8590
28 Brady Joan M [B]+ 886-8078
34 Keenan Dorothy E [B]+ 885-3459
38@Holstun James 884-0895
Tinker Joanna L [B]+ 884-0895
42 Abels Allen R & Margaret [B]+ 881-3441
47 Williams John W Jr [B]+ 883-4116
50 Westphal Wenda C [B]+ 883-3624
54@Thomas Anne M 884-8581
55 Matteliano Joseph A [B]+ 881-4504
56 Battaglia Marcella A [B] 881-0329
62@Missert K M 884-0856
Stark John G [B]+ 884-6523
65 Weiss Katherine C [B]+ 882-7708
67 Hetzner Donald R [B]+ 883-0455
71@Kelly T S 885-8259
@Mayorga Tirsa 883-7824
@Rzyrkowski L 886-1137
72 Humann John F & Bridget [B]+ 885-2998
75 Locke James A & Mary [B]+ 884-4968
79 Mancuso Salvatore N [B]+ 881-3174
80 Kahn Kenneth R & Linda [B]+ 883-2885
83@Donovan P E 883-0490
@Pizharbo Pablo 881-1070
84 Altreuter William C & Andrea [B]+ 883-3798
87 Fenty Shirley A [B]+ 886-1268
+MELBOURNE PL ENDS
88 Vogelsang Christopher P [B]+ 882-0168
91@Clark Michael C 884-4503
@Partlow Kevin 885-3150
92 Cammisa Mary-Beth R [B] 883-9244
93 Robinson Kenneth R Jr [B]+ 886-2413
99 Biltekoff Robert A & Darcy [B] 881-0857
100 Wright Ariana N [B] 886-3765
102@Schifferle A 885-9438
103 Collier Brian P [B] 884-3095
@Person Russ 881-4092
@Person Russell R 882-5018
@Szabo Laszlo 883-8154
1A Singer Mark A [B] 881-4092
105 Sack Daniel R & Susanne [B]+ 882-6366
109@Lakomy Steven A 886-3236
112 Cassatt Gerald R [B] 882-8568
114 Hackett Joan M [B] 885-4691
@Weishaupt Robert 885-9491
115 English Bethany A [B] 884-5494
@Shaw E L 884-0216
@Shaw Franklin P 884-0216
116@Reed C 882-8794
@Conlan Barbara M 882-4481
121@Coppola Courtney 886-4420
@Puma L 882-0372
128 Bryk Kathryn A [B] 881-1586
@Cummings J R 881-5814
@Uehle Timothy W 881-5814
129 SPENCER GRAPHICS busn svcs 886-4740
132 Goldstein Robert M & Maryjo [B]+ 881-1065
@Henn David E 881-2387
134 Provino John [B]+ 884-4673
Tomasulo Donald V [B]+ 884-7303
135 Restivo John C & Cindy [B]+ 881-3195
@Schlichter D M 882-6121
136 Enkerud Donald E [B]+ 885-6722
@Nolan S E 883-6028
137@Dobbins Eugene F 885-4184
138 Ucala Beverly A [B]+ 883-6989
141 Carducci Patricia M [B]+ 884-6789
146 Provin Doris B [B]+ 883-3187
Wood Donald D [B]+ 885-4288
147@Sims B 884-4639
@Lannon P 883-8272
@Smithcox Valerie 882-8414
@Varland Joel 882-8414
@Varland Julie 882-8414
152@Champlin Tim 884-2844
153 Bard Geraldine E [B] 886-3739
154 Lippold Lawrence R [B] 881-5958
McKenzie Velma A [B] 884-4822
162@Musone Mark 883-0637
166@Hewlett Scott W 882-2155
@Ruminski Raymond B.. 882-0414
167 White Glenn A [B] 882-7026
169@Werick James A 884-3763
170 Jorgensen Peter E [B] 884-7131
174@Tran Minh 883-4506
Wilson James E Jr [B] 882-0870
177 Humphrey Charles M Jr [B] 883-5323
178 Cummings Colleen W [B]+ 882-7004
Hummert Richard E & Darleen [B]+ 883-7942
181 Weintraub Arnold J & Helen [B]+ 886-7411
182@Fellon Kevin 883-8652
@Fox S M 883-3248
Ryan Michael J [B] 883-2671
185 Leiber Lillian L [B]+ 884-3764
188 Carbonara John C & Karen [B]+ 886-2006
190 Case Andrew F [B] 884-3937
Facciolla Giancarlo [B]+ 883-8506
191 Seibel Amy T [B]+ 885-8843
195 Bellisimo John J [B]+ 884-0353
197 Adamaszek Paul [B] 885-1048
1 Michael Patricia M [B] .. 884-3101
2 Jackson Cynthia J [B] .. 886-1105
200 Massimo Donna M [B]+ .. 881-4310

LANCASTER AVE

201@Glesgow Roger A 885-5699
McElroy Ann P [B]+ 885-5699
204@Hayes C 881-0087
@Kiesbye S 881-6206
Phelan James R [B] 885-4525
@Sullivan Richard D 883-7897
207@Benfanti K 886-3948
@Rapp M 884-9863
208 Weir Jonathan D [B] 883-2334
210@Coleman Diane 881-2437
@Goodell Rick 882-8626
1A Wuensch Shirley A [B] 886-3571
4 Kerr Robert K [B] 883-2074
211 Riederer Richard C & Marcia [B]+ 886-5655
216 Drumlevitch Mark [B]+ 885-5315
218 Trammell Roxanne K [B]+ 885-7165
+ELMWOOD AVE INTERSECTS
BUSINESSES 1 HOUSEHOLDS 119

LANDERS RD (BUFFALO)-FROM 3008 DELAWARE AVE EAST

+TREMONT AVE BEGINS
· ZIP CODE 14217 CAR-RT C001
15@Koloski Timothy 875-5597
Vargo Terrence G [B] 875-2015
17 Thomas Marybeth B [B]+ 877-9263
20 Sheldon George W & Joyce [B] 874-9254
21 Leonard Charles E & Emilia [B]+ 876-4807
27 Floss Frederick G [B]+ 876-2387
31 Marquardt Todd S & Patricia [B]+ 873-6543
32 KENMORE UNITED METHODIST CHURCH religious orgs .. 875-5091
35 Puma Charles A [B]+ 873-0456
@Spitz Samuel 874-1276
41 Abbott James P [B] 875-9377
@Roberts Scott F 874-1443
@Webb James A 873-9114
@West M T 876-4154
+DELAWARE RD INTERSECTS
BUSINESSES 1 HOUSEHOLDS 13

LANDINGS DR (BUFFALO)-

· ZIP CODE 14226 CAR-RT R001
1 Cohen Joel L [B]+ 639-9345
25 Goverdhana Ranga C [B] 639-8860
33 Crawford Cynthia L [B]+ 636-1901
ELDERLY & FAMILY COUNSELING SERVICES
indvdl family svcs 639-3969
41 Divincenzo Aldo F [B] 636-4216
49 Oconnor Harold C & Bette [B] 689-2529
65@Essex M 639-0351
@Nanula Phillip J 639-0701
73 Humphrey David S & Cherylann [B] 688-4599
81 Pittner Colleen M [B] 639-8708
105 Bluemle Albert W Jr & Shirley [B]+ 636-4112
BUSINESSES 1 HOUSEHOLDS 10

LANDON ST (BUFFALO)-FROM 1310 JEFFERSON AVE EAST

+LAUREL ST ENDS
· ZIP CODE 14206 CAR-RT C023
38 Todd Arthur L [B]+ 883-4213
42 Thornton Elvira [B]+ 881-1490
46 Hicks Nikki C [B] 881-0232
52 Smith James C & Clara [B]+ 886-4633
53@Brown James 882-7797
Mahone Mary R [B]+ 883-1147
55 Bryant James A [B]+ 885-1294
63 Doran Carolyn F [B]+ 881-2423
67 McNeill Benjamin F Sr & Lucy [B]+ 885-2359
68 Munden Effie B [B]+ 883-1140
70@Brown George O 882-4655
@Brown Willie M 882-4655
76@Johnson D 883-4216
77@Davis Johnnie 886-6716
83@Hanns Obertha 884-3687
Lewis James H & Ruby [B]+ 885-5643
85@Austin S B 884-9184
87 Miller Howard J [B] 885-8619
91@Edwards Lynette E 886-2063
93 Schultz Willa M [B]+ 882-4029
95 Campbell C [B]+ 885-3604
99 White Clarence L [B]+ 886-1115
106@Harris Cheryl D 885-4405
114 Gore Gloria J [B]+ 885-0664
Smith O C [B]+ 882-4066
124 Davis Marshall L [B]+ 884-0562
+ROEHRER AVE INTERSECTS
131@Henry Michael 886-4480
Kelly James E [B]+ 883-0153
138 Walker Donald A [B] 886-7956
145@Baxter James 885-1182
Friends Daisy [B]+ 886-2840
+WOHLERS AVE INTERSECTS
163 Ebanks Rhoda E [B]+ 886-7920
@Frazier Evelyn 884-1722
166 Boggan Leola [B]+ 883-2793
@Ryles Nellie 884-8129
168 Allen Bertha L [B] 882-7619
171 Meyer Edna [B]+ 884-4966
Price Willie C [B]+ 883-7408
177@Menifee Charles R 886-1406
182@Bulls P 886-2757
@Debose E 881-9578
184 Barbour Dorothy O [B]+ 882-2920
186@Ponzo S 883-2191
189 Craig Henry L [B]+ 885-0831
193 Peterson Jacqueline L [B]+ 883-0193
196 Brackett Howard B [B]+ 885-2614
202 McFarlain Agnes A [B]+ 884-8608
204@Mundell James W 876-1838
206 Tucker Garland O [B]+ 884-2629
207@Wall C H 881-7213
210 Tucker Thomas D [B]+ 881-4510
211@Santana E L 884-2449
218 Anthony Ella M [B] 885-0961
221 Dubois Carl D [B]+ 883-1695

LANDON ST

223@Shabazz Alfaire 886-6463
225 Galloway Robert T [B]+ 884-6675
226 Hall Mary L [B]+ 882-9077
@Robinson Carrie B 881-0366
228 Roberson Lurlie V [B]+ 886-1750
233@Nelson D 884-9424
@Pleasant Dorothy 884-2510
236 King Louise L [B] 883-0630
Rosenthal Andrea L [B].. 883-4710
@Stokes B 883-0557
240@Meyers Ed 884-5679
@Myers Marian 883-7279
251 Douglass James E [B]+ 886-3963
253 Means Hundles [B]+ 885-5626
255@Banks Deborah 882-7090
+HUMBOLDT PKWY INTERSECTS
· ZIP CODE 14211 CAR-RT C014
311 Wright Francine G [B]+ 895-9813
313 Gardin Lorraine [B] 894-7533
316 Blyden Elaine T [B]+ 893-7415
317@Bliss J 895-0691
321 Young Sheavon [B] 894-2269
329 Wells Kim [B]+ 891-5421
331@Northington Thomas 892-3325
334 Clark Lessie B [B]+ 892-2070
@Williams Tyree 897-4880
335 Tyler Lizzie F [B]+ 893-8661
339 Bryant Alma C [B]+ 894-1966
345 Jordan Candace D [B] 894-7484
346 Bradley Joan E [B] 897-4985
356 Cobb Ethel M [B]+ 896-4531
362 Moore Fannie [B]+ 893-4227
363@James Norman C 895-3667
369 Levi Oliver K Jr [B]+ 894-6939
373 Fedorak Wasyl [B]+ 896-8708
376@Stitt R A 893-3435
+FILLMORE AVE INTERSECTS
HOUSEHOLDS 88

LANG AVE (BUFFALO)-FROM 2356 BAILEY AVE EAST

+ERICSON AVE BEGINS
· ZIP CODE 14215 CAR-RT C005
25 Richter Allen J [B]+ 893-6579
27 Bradley Antwain D [B] 896-4013
32 Chiles Brenda J [B] 893-5197
33 Banks Maryann A [B] 897-0461
34 Jenkins Willie F Sr [B]+ 892-2008
38@Page Jennifer 892-8210
+ROEBLING AVE BEGINS
43@Abrams M 895-3280
Tallington Sammie [B] 896-0065
45@Hoskins Gloria 897-3638
49@Croskery Anthony 892-4234
58 Skarupinski Theodore J [B]+ 893-6193
59@Williams Mary 895-9521
62 Fincher Wilma L [B]+ 894-4559
63 Warren Denise L [B] 893-3032
+TEXAS ST BEGINS
67@Davis Nekia 893-4189
70 Bryant David A Sr [B] 892-4585
73 James Dennis L [B]+ 894-8329
78@Ervin M 895-2808
+ROSLYN ST BEGINS
102 Wronski Edmund E [B]+ 892-0966
+NEWBURGH AVE BEGINS
103 Lewis Lenice A [B] 894-8223
105 Krygier Rev Joseph G & Deborah [B]+ 895-2561
KRYGIER JOSEPH G religious orgs 895-2561
109 Andrews Raymond F [B]+ 891-9202
+HAGEN ST BEGINS
+COURTLAND AVE BEGINS
+HAZELWOOD AVE BEGINS
+FLOSS AVE BEGINS
+ROGERS AVE ENDS
+WEBER AVE BEGINS
+FREUND ST BEGINS
+FISHER ST BEGINS
+ERB ST BEGINS
· ZIP CODE 14215 CAR-RT C003
287 Franklin Andrew D [B] 895-7883
+E END AVE INTERSECTS
BUSINESSES 1 HOUSEHOLDS 23

LANGFIELD DR (BUFFALO)-FROM 2764 BAILEY AVE EAST

· ZIP CODE 14215 CAR-RT C004
24 Barker Mary J [B]+ 838-3207
27 Earle Joanne A [B]+ 837-6070
31 Sanders Michael D [B]+ 835-9324
37 Whiteside Fred S Jr [B] 835-8440
38 Mitchell Edward & Adeline [B]+ 833-7768
42 Kelly Barbara L [B]+ 836-4709
45 Bryant Deloris B [B] 835-0937
46 Sharp Florence L [B]+ 833-1328
52 Klawon Shirley A [B]+ 834-6192
56 Walker Ewald E & Elizabeth [B]+ 835-2009
59 Truesdale Corethia M [B]+ 832-8428
60@Dabney Donald E 838-9078
63 Ricks Thomas E [B]+ 836-7956
67@Pietrzak Henry 837-5919
73 Smith George L Jr [B]+ 832-9271
74 Bauer Arline T [B]+ 832-2045
78 Iheke Austin I [B]+ 833-7251
102@Elamin Tahira 837-2911
106@Smith K 837-5129
108@Wallace Stanley B 837-0725
+SUFFOLK ST INTERSECTS
110 Tanner Danielle [B] 833-1987
120@Jones Fabian 832-9139
122 Coates Linda M [B] 833-0952
132@Wright Dawn 446-9644
134 Coplin Christie T [B] 836-2368
152 Carmichael Jose [B] 835-3691
166@Phillips Kelly 831-0653
174 Johnson Evelyn [B] 838-5663
182@Fomby S 835-5552
186 Dubose Geraldine [B] 832-5524
187@Walker Dorothea D 831-9010
190@Cottman Delores M 837-0734
+TOWER ST BEGINS
226 Lampert Alenda T [B] 835-6284
227@Jackson Tarra 897-5271
238@Craig K 837-5739
250 Frank Ruby [B] 835-0487
256@Hall Diedra 836-7264
258 Reese Amanuel [B] 838-3076
263@Black M 837-2331

LANGFIELD DR

267 C Hudson Marqueeda D [B] 832-0866
277@Jones D 894-2964
280 Downing J [B] 834-0735
281@Worthy Davine 893-0746
285@Clark Deborah E 896-4395
287@Boyd Deborah J 892-5726
291@Wright Caremia L 897-1875
301@Wilkerson Ronetta M 834-6134
301 B@Hartzog Barbara M 832-4593
+SUN ST BEGINS
312@Moore V L 446-0509
320@Zeigler Denitra L 836-4297
Ziegler Denitra L [B] 836-4297
323@Amos Carl 897-5031
@Robinson Gail L 893-3267
327@Malay D 893-7227
Watts Alma E [B]+ 893-6046
331 Johnson Syricia [B] 895-5879
334 Reese Lashrae [B] 833-6239
340@McDuffie B L 835-8542
342@Hudson 832-0866
344 Conway Shirley R [B] 831-9139
345@Glascoe A 891-5451
347@Smith Janiel S 896-0679
352 Griffin Brenda C [B] 833-3558
356 Larkie Mary L [B] 835-5031
359@Mickles Taryn 897-0530
362 Smith C [B] 835-9384
367@Robb C 894-1134
369@Brown F C 893-1776
+EDISON AVE INTERSECTS
+COLLINS WALK BEGINS
+CONGRESSIONAL WALK BEGINS
+BEITER WALK BEGINS
+EGGERT RD INTERSECTS
HOUSEHOLDS 68

LANGMEYER AVE (BUFFALO)-FROM 83 OLYMPIC AVE EAST

· ZIP CODE 14215 CAR-RT C011
4 Rosenthal Lorraine L [B]+ 891-4984
6@Marks William 892-3519
7@Seay Claude 896-8752
10@Hollis Lisa 896-2991
11@Coley Stella 894-2030
15 White Betty A & Samuel [B] 894-1124
16@Rogers Shahidad L 897-3458
19 Evans Jerry M [B]+ 892-2561
21 Herndon Leo [B]+ 892-8422
22 Priester S [B] 895-1549
33@Brown Iyana 894-0379
34 Wilson Annie P [B]+ 891-5645
35 Gruber Beatrice B [B]+ 893-9205
36 Leonard Claudia [B] 895-0680
38@Williams A 892-7884
43@Thompson Andre 893-7742
52@Lewis Robert E 892-0824
Thompkins Bernice [B] 892-5957
59@Jamison J 895-7862
64 Canty Mary H [B]+ 894-1629
67 Scott Marcus D [B]+ 896-5471
74 Ford William L [B] 894-8218
75@Prim Ronald 896-5403
80@Wilson D 896-5739
+BAILEY AVE INTERSECTS
HOUSEHOLDS 24

LANSDALE PL (BUFFALO)-FROM 450 KOONS AVE EAST

· ZIP CODE 14211 CAR-RT C011
13@Championbrunson S A 897-2746
23@Bagwell L 897-4543
29 Lewis Pauline [B] 892-0548
+RUSTIC PL BEGINS
HOUSEHOLDS 3

LANSING ST (BUFFALO)-FROM 36 JOSLYN PL EAST

· ZIP CODE 14207 CAR-RT C017
11 Petko Brian J [B]+ 876-9950
17@Dunker Renee 447-9218
Mroz Jacque L [B]+ 876-8029
19@Dichiera D 871-3435
24 PEERLESS AIR CONDITIONING & HEATING plumb-htg-a/c... 875-3727
26 HECTORS WHOLESALE DISTRIBUTORS hardware 877-6200
METAL PREPARATIONS COMPANY indus equip 874-0786
+MILITARY RD INTERSECTS
+GROTE ST BEGINS
BUSINESSES 3 HOUSEHOLDS 4

LANTERN LN (BUFFALO)-

· ZIP CODE 14228 CAR-RT C057
2 Kuntz Joel P [B] 837-5663
10 Rowles Cynthia J [B] 831-0593
@Streeter J F 831-0492
14 Siegel Phyllis H [B] 832-6175
18 Welshaar Raymond F & Margaret [B] 835-9270
22 Danheiser Lorraine E [B]+ 835-4938
30 Dick Clarence H [B]+ 836-7006
38@Liguori G R 834-2781
46 Kazinski Valentine A & Gloria [B] 833-4427
50@Spina L 862-0818
66 Lillis James T [B] 833-4921
70@Vitale P R 862-0595
74 Bailey Jeffrey T [B]+ 862-0327
90@Sommer Melvin L 838-2728
102 Peterson Kathleen N [B] 838-5868
114 Lamarca Joseph M [B] 833-4661
118@Cheskin L 831-1646
HOUSEHOLDS 17

LARK ST (BUFFALO)-FROM 34 SIDNEY ST NORTH

16@Holt V 891-5844
19 Trueheart Naziera A [B]+ 893-2320
22 Boykin Charles E [B]+ 893-1622
Dean John Jr [B]+ 892-0675
26@Billyard Carolyn 892-9465
Lewis Martha [B] 892-4674
29 Pompey Mckinley P Sr & Sharon [B]+ 892-4570
30 Cleveland Melvin [B] 891-9136
35 Brewer Otto J Jr [B]+ 892-1431
36 Hinkle Mary L [B]+ 893-6094
38 Brown Charles A [B]+ 896-2402
43 Owens John [B] 894-2476

LARK ST

48 Cooper Emanuel C Jr [B]+ 896-4370
51 1 Moore Edith M [B] 891-8916
52 Gist Michael W [B]+ 896-3614
55 Swartz E Ellis 894-3473
58@Booker Alexander 892-0577
@Jones Anthony 895-9516
Lynch Charles [B]+ 893-0186
@Shaw Richard 892-1139
62@Hokes Anna 892-9557
74 Scott Alma A [B]+ 897-0186
82 DENLER SHEET METAL rfng sdng sht mtl 893-8706
+NORTHLAND AVE INTERSECTS
BUSINESSES 1 HOUSEHOLDS 22

LARKIN ST (BUFFALO)-FROM 2 ROSEVILLE ST

· ZIP CODE 14210 CAR-RT C018
189 Edwards Damon T [B] 847-2140
Misechok Mabel A [B]+ 852-8088
204 COLDEN HILLS platrng dwall instl 852-1311
211 Cochran Arthur E [B]+ 856-7910
+EXCHANGE ST INTERSECTS
309 MARCATECH WIN & CONSTRUCTION DESIGNS lmbr bldng mtrls 852-9141
+SENECA ST INTERSECTS
BUSINESSES 2 HOUSEHOLDS 3

LARKSPUR LN (BUFFALO)-FROM 789 N FRENCH RD SOUTH

· ZIP CODE 14228 CAR-RT C055
10 Ortolano Richard A [B] 691-0617
18 Bystrak Ronald [B] [B]+ 691-3328
32 Bechl Joseph M & Linda [B] [B] 691-1271
48 Harbison Raymond G & Joyce [B]+ 691-4688
56@Schick D 691-9342
@Schick R P 691-9342
64 Rengel Ronald H [B] [B]+ 691-4437
72@McNichol David 691-2453
80 Vorreuter Jon K [B] [B] 691-9959
96 Gelotte William L [B]+ 691-1730
112 Pazik Theresa E [B]+ 691-8869
120 Darlak Joseph J [B] 691-5795
122 Cobler Jack S [B] 691-7387
131 Henry Gary P & Evette [B]+ 691-8827
136 George Todd C [B] [B]+ 691-1238
139 Cross Michael L [B] [B] 691-2122
147 Labella Dennis M [B]+ [B] 691-2117
HOUSEHOLDS 17

LARRABEE ST (BUFFALO)-FROM 218 HOPKINS ST EAST

· ZIP CODE 14220 CAR-RT C021
16 Koch Adolph F [B]+ 824-1606
+MARILLA ST BEGINS
HOUSEHOLDS 1

LASALLE AVE (BUFFALO)-FROM 2820 DELAWARE AVE WEST

· ZIP CODE 14217 CAR-RT C005
@Moore Barbara A 874-9583
Stanger Howard R [B] 871-1720
18 Telfeian Arthur K [B] 877-5379
19 Dombroski Tamy S & Carl [B] 875-5635
@Jones Daryl 877-4097
@Scime A 877-3071
25 ATM PLUMBING & SEWER COMPANY plumb-htg-a/c 861-0736
27@Ebling 876-2394
@Ebling Henry 871-0375
32 Martin Michelle M [B] 874-2858
Peters David C [B] 874-0010
35@Young David F 877-3871
36 Benson Ralph [B]+ 876-8029
37 Adams Pamela J [B]+ 876-6553
38 Dopp Leighton S [B]+ 877-3885
40 Bishop Michael E & Janet [B]+ 875-5205
49 Heerdt Richard D Jr [B] 873-3969
51 Calabrese Samuel J [B]+ 875-6232
55 Caligiuri Biagio S [B]+ 876-5702
61 Swartz Peter M [B]+ 875-1718
62 Korta Victor P [B]+ 873-8238
@Paterniti J 873-8238
64 MARY KAY drct sling esthmnts 877-3908
Traub Steven T [B] 877-3908
65@Farinacci Mark 877-8318
@Wasinger T 875-1341
66@Coupal Karen E 873-2276
@Topper Catherine A 873-0718
70 Newton Thomas J [B]+ 875-3588
72 Claus Peter D [B] 873-5738
CLAUS SERVICES bldng maint svc 873-5738
73 Farrell Eugene A [B]+ 876-7165
80 Dagostino Darryl M [B] 875-9501
82 Blaszyk Frederick M [B]+ 873-5043
83 Lukas Arthur M [B]+ 873-4465
85 Bruck Miriam [B]+ 873-5469
86 Benfanti Louis F [B] 875-0191
87 Callari Jeanette P [B] 873-1537
Scanio Peter R Jr [B]+ 873-0169
88 Ventura Michael C & Lena [B]+ 873-7934
92 Farrington Kevin R [B] 876-2665
95 Garcia Mark J & Maryann [B] 874-6792
110 Parlato Vincent J & Helen [B]+ 877-8345
112@Higgins K A 877-5914
113@Brown Terry 873-6892
116 Brynlarski John M & Helen [B]+ 873-1228
117 White Thomas C [B]+ 873-9220
118 Wiles Daniel J [B]+ 876-8826
120 Miller Lisa A [B] 875-5064
122 Ryan Marie P [B]+ 873-5735
123 Rankin Donald J Jr [B]+ 875-5006
+EUGENE AVE INTERSECTS
125 Christopher Joseph P [B]+ 877-4391
129 Brayman George H [B]+ 873-2617
131@Dueger Denise E 875-9912
Hjalmquist Jennifer A [B] 875-9289

EXCHANGE ST 1992

U S E The Alphabetical Section to get Complete Information on a person or firm.

THE KNOWLEDGE OF WHERE TO BUY IS AS IMPORTANT AS WHERE TO SELL GOODS

◎ HOMEOWNER

EVELYN ST–Contd
49 Cavalieri Richd J ◎ 875-3732
50 Dinatale Karen
Vacant
51 Hasbrouck Aug W ◎ 873-0663
52 Kirschner Rudolph J ◎ 877-5166
54 Vukovic Jos ◎ 876-6273
55 Vacant
★Stapleton Timothy
56 Whittaker Jas R Jr ◎ 873-9099
57 Dressel Wm A ◎ 875-6727
Vacant
58 Malast Helene ◎ 873-0698
Malast Anna
61 Keeley Helen A Mrs ◎ 876-8527
62 Miklos John ◎ 876-1984
Shaffer Sandra A Mrs 873-4588
63 Wood Gary M ◎ 875 8690
64 Bermel Donald
Kawaler Mark M 877-9773
67 Cheman Anne D Mrs ◎ 877-1007
68 Kotlarski Keith C ◎ 873-4861
69 Demerecki Frank J ◎
70 Phillips Donald L ◎ 876-7144
73 Schultz Viola S Mrs ◎ 877-2759
★Myers Michl J
74 Domaracki Martin M ◎
75 Skoney Thos L ◎ 873-8293
76 Bartnik Walter J ◎ 877-6639
79 Valvo Leatrice J Mrs ◎ 876-1031
80 Baumgardner Gilbert H ◎ 875-1861
81 Adamczak Kenneth P ◎ 873-7616
82 Banks Christine ◎ 876-9068
ONTARIO ST INTERSECTS
115 La Marco Josephine E Mrs ◎ 876-5142
116 Kollmar Margt E Mrs ◎ 873-4042
Rear Davies Michl J
120 Christer Alice R Mrs ◎ 875-3708
★Peacock Robt
121 Moss Mary Ann ◎
123★Funk Kathleen
126 Mc Eniry Gloria T Mrs ◎
127 Matyus Gaza J ◎ 876-8775
128 Mahoney Frances J Mrs ◎ 875-9820
131 King Suzanne ◎ 877-0395
132★Appleton Wayne D Jr ◎ 876-5587
133 Wright Robt A ◎ 876-7319
134 Ekes George R ◎
138 Wright Sally Mrs ◎ 876-3449
139 Surdam Leonard P ◎ 875-8397
140 Schihl James J ◎ 874-4336
144 Ceryak Louis R ◎ 875-9041
145 Bourkney Marion H Mrs ◎ 877-0849
146 Martin Anna Mrs ◎ 876-0241
149 Flading Charles E ◎ 873-0112
151 Reuillard Camille J ◎ 873-9101
153 Furyesi John ◎ 876-1741
160 Vacant
CONRAIL CROSSES

147

EXCHANGE ST –FROM FOOT OF OAK EAST

ZIP CODE 14203
50 Sentry Parking Lot 855-0737
75 Amtrak Passenger Station 856-2075
158 Vacant
MICHIGAN AV INTERSECTS

CHICAGO OVERPASS
ZIP CODE 14204
253 C W P D Trucking Inc 852-7029
LOUISIANA OVERPASS
ALABAMA INTERSECTS (NOT OPEN)
HAMBURG OVERPASS
ZIP CODE 14210
391 Stetson Chemicals Inc indl chem 852-7245
567 Vacant
Vacant
568 Vacant
Vacant
CONRAIL CROSSES

8

586 Iroquois Door Co (Garage)
H I Furnishings furn mfg 856-8663
639 Otis Bedding Mfg Co Inc 842-1127
~~650 Alp Steel Corp 854-0606~~
659 Vacant
LARKIN ST INTERSECTS
695 Iroquois Industries Inc (Whse)
VAN RENSSELAER ST INTERSECTS
GRIFFIN ST BEGINS
(NOT OPEN BET GRIFFIN ST & SMITH ST)
SMITH ST INTERSECTS
927★Lux V
Lup Vincent 826-4628
Vallon Rose Mrs 821-0079
929 Nowicki Phillip N 822-6018
Vacant
931 Vacant
933★Szyszykowski Blaine 822-0051
★Happer Joel
ANDREW AL ENDS
936 Dornley Jos R
938 Casapis John
939 Szyszkowski Mary J Mrs ◎ 824-7403
Rear★Parker Robt E III 825-3606
Rear Kojack Sophie Mrs
941 Zak Eliz A Mrs
★Fuller Maryann 823-4661
Rear Mistak Walter J 825-2875
945 Vacant
SORDYL AV ENDS
949★Pfeiffer D J
961 Dycielski Jos ◎ 825-2840
Eisensmith Rose A 825-0306
★Kubicki Christine 822-7247
963 Zglinicki Eug H ◎ 824-5171
Snapp Leslie 822-3617
965 Vacant
DAYTONA AL ENDS
969★Trinadad Geo
★Meyers Richd
979★Long M 823-0565
981 Kwaizer Chester ◎ 825-3139
983★Weber Robt
Rear Vacant
991★Bates Ruth Ann ◎ 825-2968
SELKIRK ST ENDS
995 Vacant
Zielinski Genevieve Mrs 825-3834
Szczepanik Edw A ◎ 825-8940
997 Starzynski Anthony W ◎ 822-8304
999 Kremblas Stella Mrs ◎
Rear Vacant
Rear Minorczyk Helen Mrs
Rear Milburth
Rear Vacant

113-A

FAIRCHILD PL –FROM LINDEN AV NORTH TO 1183 HERTEL AV

ZIP CODE 14216
1 Rieth Erna J Mrs ◎ 873-2154
★Crowley Saml
2 Scaduto Richd S 874-0766
Pelonero Mary J ◎
5 Popko Helen D Mrs ◎ 875-5377
Caci Gasper
6 Mroz John H ◎
Vacant
9 Hoegerl Heinrich J ◎ 877-3255
10 Rossitto Dominic A Jr ◎ 873-5230
Bain Pamela 873-5380
15 Corcoran Eug P ◎ 873-1627
16★Balaz J F 873-4751
Ziolkowski Geraldine Mrs 873-8743
17 Di Cristsaro Jas ◎ 874-6608
18 Diaz Santos V 875-0921
Mooney Ralph W
19 Jackman Michl C 874-3833
★O'Hara Leo
20 Ortolano Sandra A Mrs 876-9680
Stallkis Steph Jr 876-1618
23 O'Rourke Arth B ◎ 875-0028
Haberstro Philip L 873-6327
24 Maniscalco Ann M ◎
27 Gerace Rose M Mrs 876-7252
Gerace Carl ◎
28 Gantress Bernice C Mrs ◎ 875-6281
29★Clambar Thaddeus ◎ 875-7254
30 Call Timothy P ◎ 873-1436
33 Gembola Alan J
★Blushtuyn A 873-1248
TIOCA BEGINS
37 Roeder Raymond E 873-6074
Housman Ruth F ◎ 875-7559
39 No Return
40★Lundaman K 876-1815
Palmisano C 874-0248
43 Camplsi Teresa Mrs ◎ 873-4777
Girling Michl W 876-5695
44★Knere Kurt 874-9418
★Bucciari Danl P 876-3492
45 Marchese Millie 885-6745
Tirone Stefano ◎ 873-7108
48 Pelonero Edna C ◎ 875-0497
49 Fontana Ada L ◎ 873-5745
52 Puma Albert M ◎ 873-2829
53★Barry Timothy
★Matinelli Andre F ◎
54 Pierdomenico Gullo ◎ 875-8871
57 Meredith Peter ◎
58 Lillo Donald D ◎ 876-5269
★Meyer James J 877-8231
59 Tripi Nanette M 873-2368
62 Butler Mark J 873-3742
63 Thomas Wm 873-5160
65 Mierzwa Joseph S ◎ 876-4147
66 Strickland Benj F ◎
68 Giese Richd W ◎ 876-5468
DAKOTA ST BEGINS
69 Rockwood Leon S ◎ 876-8922
71★Giancola Vincent L ◎
★Reed Michl
75 Vacant
Amoroso Sharon ◎
78 Curr Amy
Mye
79 Petrillo Anna M 877-6184
★Brennon Gerald M 876-9267
83★Aldridge Eliz
Aldridge Mary Ellen 873-0858
84 Freeman Albert T ◎
85 Scheifla David A 874-0386
Cognato Patricia A ◎ 874-4984
88 Durning Zelda D Mrs 877-1568
89 Sciortino Grace Mrs ◎ 877-2907
91 Audino Jennie S Mrs ◎ 875-4118
Di Stasio Joseph C 877-3690
92 Pelosi Frank R ◎
95★Cammilerri Concetta ◎ 875-8323
96★Natali Jas ◎
Kopra Susan 875-3103
98 Memmo Geraldine ◎
Lindgrin Susan 875-6009
102 Wall Patricia Mrs 877-0690
★Hall Gail
HERTEL AV INTERSECTS

196-A

FAIRDALE RD (LACKAWANNA) FROM 63 WINSTEAD RD SOUTH TO WINSTEAD RD

ZIP CODE 14218
65 Mingarell Joseph N ◎ 825-5541
67 Tone Mary T Mrs ◎ 822-2483
69 Wilson Elma ◎ 823-6923
71 Grzelka John W 822-2489
73 Willis David A 825-6425
75 Taltos Karoly
ERRINGTON ST ENDS
81 Vacant
83 O'Brien Linda A Mrs ◎ 823-9440
85 Whalen Douglas J ◎ 822-1438
87 Ciesla Danl A
LINCROFT RD INTERSECTS
89 Giancaterino Victor S ◎ 825-7596
91 Rogido Conchita Mrs 825-1942
93 Woodard Kim 821-1858
95 Chiodo Frank D
97 Cardamone Anthony J ◎ 827-8217
99 Johanek David
101 Brokob Martin W ◎
103★Nocera M 822-8218
105 Dixon Donna
107 Bowers Irv J ◎ 822-2732
109 Macuiba Denise R 826-5506
111 Olivia Victoria Mrs
113★Taylor Robt 823-4008
115 Kapsiak Anthony C ◎ 826-5057
117 Martin Margt C 824-7586
119★Stoyle Joseph
121 Tozzo Mark A 823-2521
123★Bradfuehrer J 826-4207
WINSTEAD RD BEGINS

115-B

FAIRFIELD ST –FROM 2519 MAIN NORTHWEST TO 1657 AMHERST ST

ZIP CODE 14214
14 Kwiatikowski
Pezzino Anthony ◎
16★Li Xiao Shen 833-7601
Clarke Allan M ◎ 832-9833
Clarke Nelson H automobile appraiser
18 Lavett Steven ◎ 833-9166
22 Hellriegel Arth G ◎ 833-4605
24★Fechter Mary Ann ◎ 834-3172
★Inghram D 862-0271
25 Hare Leon N ◎
28★Fiedler Gerald B ◎ 837-2491
★Mauer Andrew J 833-1044
34★Coolbaugh Myron T
★Delaforterie Antoine
Stober Barbara
35 Kowalski James J financial consultant ◎ 835-1810
36 Gallagher John J 834-6209
Ambrose
39 Russell Gordon A ◎ 832-5573
40 Foran John M writer-editor ◎ 838-4179
42 Catalano Mae Mrs 835-0778
Catalano Fabian C Jr ◎ 834-3993
44 Pearce Danl S ◎ 832-8018
Certo Peter J emp 838-0096
50 Hayes Mary Jane 837-3062
54★Iaube Betty
Tousley Mary 832-7339
ORCHARD PL ENDS
57 Ley Diane Mrs ◎
★Jones Ryan C
58★Dawney Delbert
Morley Frederick C ◎ 836-5999
59 King Kimi L 833-9619
Crossland David M 838-1784
60 Handley Eliz
Smith Diane Mrs
62 Watrous Livingston V ◎ 832-5588
63★Yates Fredk O 833-4581
★Sterman Julie 834-6699
Caine Robt T 885-5190
68 O'Connor Michl J ◎ 832-4539
Kirk Barbara
69 Suozzi Paul J ◎ 834-5691
70 Marillo Mary L ◎ 833-1353
★Weber Wayne L
71 Vacant
72★Smith Nicholas A
Vacant
73 Bakos James M ◎ 835-9211
75 Vacant
76★Atkinson James ◎
No Return
78 Reid
★Tertin Mark W 837-2448
82 Kelly Linda S 832-4643
★Bridges Carolyn
84 Nellany Mary Jane Mrs ◎ 835-4386
Dempsey John 833-2958
88 Root Matthew ◎ 837-3796
Danglis Teresa
VERNON PL ENDS
92★Clark Ronald
Severyn Matthew J ◎ 837-2445
94 Mc Kenna Kevin ◎
98 Polder Cecilia A ◎ 835-5227
100 Procyshyn Frank R ◎ 835-9019
103 Brockway Bryan G ◎ 832-2098
104 Jackson Paul H ◎ 835-9583
105 Herlan Jack ◎ 838-5709
106★Livingston Janice
Studt Res
107 Perl Thos P ◎ 832-4195
109★Notaro Donald V ◎ 836-1590
110★Bleech Robt 834-7190
No Return
112★Remolino J
Charles Ann R 832-4926
116 No Return
122 Studt Res
Giordano Carol M 833-7857
124 Pearson Margt A 835-5489
★Egressy Virginia 836-6179
AMHERST ST INTERSECTS

FAIRMONT AV (LACKAWANNA) FROM FERNALD AV SOUTH TO CLOVERLEAF AV 198 TO 84

ZIP CODE 14218
GREENWOOD AV INTERSECTS
SMOKES CREEK CROSSES (NO BRIDGE)
ELMVIEW AV INTERSECTS
95 Legeza Chester ◎ 822-6598
Gadola Michele
98 Szczygiel Neil E ◎ 823-6673
101 Mazur John H ◎ 824-0233
Sobejko Eva 824-0796
CLOVERLEAF AV INTERSECTS

FAIRVIEW AV (LACKAWANNA) FROM 283 RIDGE RD NORTH TO DEAD END 199

ZIP CODE 14218
24 Rivera Plo ◎ 827-1078
DEAD END

FAIRVIEW PL –FROM 2302 SENECA NORTHEAST TO DEAD END 66

ZIP CODE 14210
13 No Return
14 Osterelch Max A ◎ 825-8624
16 Regan Genevieve K Mrs ◎ 822-8419
16 Cox Howard W ◎ 824-8787
19 Cichon Edw V ◎ 822-9820
20 Larusso David A ◎ 823-0081
21 Danzer Cheryl L ◎ 826-1298
22 Trzaska Edw R ◎ 825-0844
25 Hnatiw Michl ◎ 824-3391
26 Sullivan Eug A ◎ 822-8501
28 Eck Charitie A ◎ 822-1412
★Parone Dominic ◎ 824-7997
29★Dorsey Richd L 825-0866
Dorsey Robt N ◎ 822-3578
DEAD END

25-A

FARGO AV –FROM 232 HUDSON NORTHWEST TO NIAGARA ST

ZIP CODE 14201
3 Medina Cecilio ◎
Vacant
Medina Maria D
6 Cuevas Erma
Rodriquez
★Rodriquez P U
7★Daniels Zelda 883-0669
★Williams J
★Cook Lorretta
11 Saileed
Daniels Kevin N 886-7914
14 Vacant
★Thompson W
Vacant
15 D'Angelo Vincent J ◎ 883-8688
D'Angelo Mark
Vacant
16 Castro Fernado
Carmen Rivera
Rear No Return
19★Rodriguez E 883-2328
★De Jesus Jose
20★Rodriguez Liberald 883-1788
★Diaz Lydia E 885-6369
23★Sanchez Ernest
★Castillo B
Rear Carrasquillo Ramon
24★Kwasniewski B 883-7720
27★Cotroneo Geo J 885-4830
Cotroneo Carl V ◎ 885-8162
28★Lora Miguel
Soto Angel L ◎
31 Santiago
★Torres Jose
Vacant
Muniz Marian 885-1691
32 Abdelhay Mehad 882-3586
Abdelhay Fawzi ◎ 882-3586
33 Vacant
34 Butler Roberta ◎ 883-7997
36★Montinez Samuel
★Sancetron Marisol 881-5145
39 Battaglia Patricia 883-9429
★Lighten W
40 Marzo Nancy Mrs ◎ 882-7117
Arns Cath 882-7117
41 Apartments
1 Valquez Berta
2 Ortis Andres V 884-2183
3 Corales Eliz
4 Corall Josepha 881-9907
42 Garca Mike 882-3724
Frankovich Dennis 886-2554
44★Grimaldi Wayne 883-4643
46 Vacant
Vacant
Vacant
47★Green D
Salley Henry ◎ 884-2155
49 Apartments
1★Cooper Timothy
2★Jednat B
3★Phillips C Eug
4★Phillips Lisa
5★Allen A
52★Baughan Richard
PENNSYLVANIA INTERSECTS
70 Morales Lucy Mrs ◎ 886-4776
78 Apartments
2★Howard Destraz
3★Robinson Garland E
4★Walker Greg

HAMBURG ST 1992

HAGEN ST–Contd
260 Greco Ronald ◎ 894-1448
Wolter C L 891-4699
261 Zangara Robt J ◎ 893-1871
262 Crawford Hilton J ◎ 893-7346
265 Fetzer Gwyneth 895-8322
★Cummings Doug
266 Wackenheim Albert ◎ 893-6946
★Seister T H 894-9539
E DELAVAN AV INTERSECTS

156

HAGER ST –FROM 315 NORTHLAND AV NORTH

ZIP CODE 14208
3 Smith David
15 Bryant Virginia K Mrs ◎ 883-6392
17 Truesdale Christine N Mrs ◎ 882-4809
20 Gibson Ernestine Mrs ◎ 883-8322
Jackson Jacqueline
23 Vacant
24 Rivera J ◎
FLORIDA INTERSECTS
39 Shropshire Preston L ◎
41 Vacant
43 Bailey Ralph R ◎ 881-1048
47 Bryant S Lieutenant Jr ◎ 886-0435
49 Tobias Grace L Mrs ◎ 883-4155
53 Young Sealer E 883-3627
55 Guy Elbert Jr ◎ 884-0312
64 Niagara Lutheran Home nursing home 886-4377
67 Martin John F ◎ 883-3577
71 Vacant
Vacant
77 Bell Hiawatha ◎ 882-3037
Vacant
79 Mathis Millicent
Thomas Lucille 886-6292
E DELAVAN AV INTERSECTS

36-A

HAGERMAN ST –FROM 683 SWAN ST NORTH TO DEAD END

ZIP CODE 14210
SEYMOUR ST INTERSECTS
DEAD END

53

HAGGART AL –FROM 36 GULL NORTH TO DEAD END

ZIP CODE 14213
W FERRY ST INTERSECTS
DEAD END

160

HALBERT ST –FROM DEAD END NORTH TO RODNEY AV

ZIP CODE 14214
9 Holloway Patricia
17 Bogacki Leonard 837-9097
19 Vacant
23 Allen Margt A ◎ 837-2618
Allen Naomi P
DEWEY AV INTERSECTS
53 Wheeler Theresa M
54 Jackson Dorise G 832-3141
Virgil Mary Ann
55 Barleston Ann 837-4928
56-59 Vacant (2 Hses)
63 Davis Larry C ◎ 836-0637
Vacant
64 Dickson Diane B 834-5351
Brown Bobbi L 834-3802
67 No Return
Rear Peoples
68 Collier Dorothy M Mrs ◎ 835-8293
Brown Jacqueline
71 Davis R ◎ 838-4231
72 Evans Debora
75 Skinner Alberta Mrs ◎ 837-6840
76★Eubanks U 838-2589
77 Williams Pearlie ◎ 837-7181
Davis Janet M
78 Anderson Bessie ◎
81 Hoehl Dorothy M Mrs ◎ 837-0136
LEROY AV INTERSECTS

160-A

BREWSTER ST BEGINS
119 Elmer Lux Hostel Individual Care Facility group home 834-5726
JEWETT AV INTERSECTS
171 Vacant
PHELPS BEGINS
178-179 Vacant (2 Hses)
RODNEY AV INTERSECTS

97

HALLAM RD –FROM 161 MIDDLESEX RD NORTH TO BEDFORD AV

ZIP CODE 14216
24 Donaldson Danl R ◎
25 Ramsey Robt W ◎ 875-0267
30 Procter A Neville ◎ 876-4609
35 Mac Mullen Jos A ◎
36 Biltekoff Jas R ◎ 874-6520
39 Banta Charles U ◎ 846-2600
44★Waters Henry ◎ 873-5569
47 Saab Richd J ◎ 874-0115
55 Sheets Henry B Jr ◎ 877-4184
56 Hutchens Richd A ◎
58 Goldstein David J ◎ 876-2090
62 Lazar Louis L ◎ 875-6671
63 Barlow Joseph J ◎ 875-5955
69 Griggs Alexander M ◎ 875-3363
72 Romanello James C ◎ 877-1446
73★Meilman Elinore Mrs ◎ 875-8152
78 Block Lester H ◎ 876-7295
81 Stevens Raymond D Jr ◎
84 Pedene Wm K ◎ 877-6582
87 Ehrenreich Raymond ◎ 875-4215
90 Wettlaufer C Taylor ◎ 875-0171
95 Williams Reginald V Jr ◎ 873-9797
98 Brock Walter ◎ 875-1599
101★Turner Jas E ◎ 874-4447
102 Gigante Joseph A ◎ 874-3647
BEDFORD AV INTERSECTS

4

HAMBURG ST –FROM 148 SOUTH ST NORTH TO 533 SWAN

ZIP CODE 14204
16★Foster Mattie Mrs
22 Carney Phyllis M Mrs ◎
24 Black Alex A ◎
32 Regelin Laverne C ◎ 854-2736
Brown Wayne 855-1004
34 Leon M ◎
Cook Joan M 856-5776
43 Diederich Trucking 852-0314
Diederich Warehouses Inc storage 852-0314
44 Vacant
50 Cummings Peter 852-4726
Vacant
CONRAIL CROSSES
REPUBLIC ST ENDS

4-A

REPUBLIC ST ENDS
73 Mc Carthy's Tavern 855-8948
74 Sauer Sheila M
76 Vacant
79 Keller Michelle
Romback Donna 842-0908
Steffen Gordon H 856-8344
81 Reitz Donald J
85 Frankhauser Mary Mrs ◎ 854-3990
Smith
86 Ford Steven 855-0512
Ford Colleen Mrs 855-2807
87 Vacant
90 Balester Frank C ◎ 852-7857
Swenson Mae Mrs 856-2757
Rambach Frances Mrs
Balester Antohny C Jr
92 Mc Carthy John H ◎ 856-3746
Simonick Joseph M 854-5580
94 Thompson Dolores Mrs ◎ 842-1426
Kleinsmith Dennis 856-7939
96 Herbert F ◎ 856-2087
O'CONNELL AV INTERSECTS
125 Tricia's Delicatessen
Housler Linda A 856-7486
126★Wean Stella Mrs ◎ 856-9194
Kilsple Wayne
128 Dyczek Mary E Mrs ◎ 854-7081
129 Donna's Unisex beauty shop 856-0996
131 Frankhauser Fredk ◎ 852-4773
Nowadly Michl J
134 Rajla Mary L Mrs ◎
Rajla Rose M Mrs
136 Dunbar Ethel M Mrs
137 Carney Patricia Mrs
139 Vacant
140 Cleary Mary E Mrs ◎ 854-3793
Rear Vacant
141 Carroll Donna J Mrs
Faltisco Clara Mrs 842-1021
142 Burke Margt T Mrs ◎ 856-7782
★Ormand Michl
143 Sumbrum James 842-2614
Petersdorf Richard ◎
Vacant
144 Hoffstetter Anna V Mrs ◎ 852-7635
145 Cantazaro Mary G Mrs ◎ 852-5255
Kukula Stanley 856-5681
146 Lo Vullo Angelo M ◎ 845-6908
Golden Michl F 856-6984
149 No Return
No Return
151 Tolkacz Edw J ◎ 847-6774
152 Connors Timothy S ◎ 847-0359
153 Chilcott John
Corcoran Thos F ◎ 847-6514
156 Vacant
158 Lukomski Danl T ◎ 854-0317
MACKINAW ST INTERSECTS
185 Chapman Sharon M Mrs ◎
189 Plaza Gary ◎
190 Wojtasik Ann ◎ 852-2604
191★Burley Donna M Ms ◎ 856-0215
Manfred Frances Mrs 855-0809
192 Wojtasik Walter ◎
193 Cullen Kevin ◎
Johnston Diane
198 Milligan David ◎ 845-6725
Fiegel Henry
200 Jedrysik Veronica M Mrs ◎ 854-0557
Mucha E
202 Zlotek Adele Mrs ◎ 852-4421
204 Gorkiewicz Stanley F ◎ 854-1666
Vacant
MIAMI ST ENDS
211 Mann Donald M ◎ 856-9731
215 Rearon Molly Mrs 854-5486
217 Kozahiewicz Dale Mrs 855-3427
Skinner Gerald
219 Zawislak Gary D ◎ 842-0204
Burns
220 Le Cointe Shirley L ◎ 842-1035
221 Lillis David E 842-1460
222 Mekell
Lawson Mary M Mrs 852-8043
224 Jasinski Chester W 854-3389
225 Keefe Harrison
Rear Derouche Richd A
226 Niedzwiecki Henry 856-1136
228 Ryszka Stanley J ◎ 842-6507
Devine Dolores Mrs 847-2467
230★Banks
231 Rowell Scott M
Cummings Patricia M Mrs 847-6559
★Figurea Lori
233 Bolden Loren
Virella Arlene R Mrs
Rear Vacant
234 Sibley Richd J ◎
236 Londo Wm 842-0849
SOUTH PARK AV INTERSECTS

12-A

SOUTH PARK AV INTERSECTS
265 Laberta Robert
267★Miller Steph
COATSWORTH AL ENDS
269 Vacant
271 Shea J Robt ◎ 855-2455
273 Marsh Alice C Mrs ◎ 855-2700
Bartlett Thos
275 Goodwin Stanley 855-3834
Vacant
FULTON ST INTERSECTS
289 Progress Food Market delicatessen 847-2525
Alsheikn Thabet M ◎ 847-2525
Ahmed Sead 854-6534
291 Flanagan Sharon L Mrs
293 No Return
294 Apartments
1-4 Vacant (4 Apts)
5 Smith Celia J
6 Vacant
295 Kozlowski Josephine J Mrs ◎
Kozlowski Mathew ◎
297 Tuzzalo Helen A Mrs ◎ 847-6091
Vacant
298 Apartments
1 Meyers Jessica Mrs
2-3 Vacant (2 Apts)
4 Adside Sylvia Mrs 855-3290
5 Vasquez Francisco
6 Vacant
312 Apartments
1-6 Vacant (6 Apts)
316 Apartments
1-6 Vacant (6 Apts)
PERRY ST INTERSECTS
330 Apartments
1-6 Vacant (6 Apts)
334 Apartments
1★Bagby S
2★Figuera Eliz
3★Kahn Mohamed
4★Watkins Willie
5-6 Vacant (2 Apts)
THRUWAY OVERPASS

8

SCOTT ST INTERSECTS
363 Perma Tech dock loading equip mfg 854-0707
367 Vacant
369 Colonial Foam rubber mfrs 855-1818
CONRAIL UNDERPASS
374 Buffalo City Sewer Authority (Pumping Sta) 854-2215
Buffalo City Sewer Authority 855-4607
Doctor Lawr Jr
CONRAIL UNDERPASS
EXCHANGE UNDERPASS
CARROLL INTERSECTS (NOT OPEN)
CON RAIL CROSSES
SENECA INTERSECTS
505 Vacant
MYRTLE AV INTERSECTS
519 Graphic Arts Supply Inc prntrs sup & equip 854-5630
G A Computer Products serv 854-0004
Visual Graphics prntrs equip dlr 854-5630
SWAN INTERSECTS

199

HAMBURG TURNPIKE (LACKAWANNA)–FROM BUFFALO CITY LIMITS SOUTH TO HAMBURG TOWNSHIP LIMITS

ZIP CODE 14218
1951 Bethlehem Steel Corp (Gate 1)
Bethlehem Steel Corp (Coke Ovens) 821-2543
Staroba Plastic & Metal mfg 822-9786
Gateway Welding wldg serv 824-3400
Singer Transport trucking co 827-0823
Metro Machine 827-8884
Ciesla Electric elec contr 825-1377
T L C Enterprises truck repr 825-1377
Umbra U S A Inc whse distr 822-8007
Western Ny Railroad Historical Assoc (Storage)
Cardinal Refractory Service Inc fire brick sls & instln 822-3982
Integrated Terminals whse 823-6257
Conomos John B Inc indus pntg contr 822-6481
Ruckle Veneer Inc dist of veneer mfg equip 824-0840
International Waste Corp waste disposal 824-5089
Buffalo Polymer Inc waste recycling 822-9786
Bulkmatic Transport trucking co 821-1806
Ferrous Manufacturing Inc steel fabricators 822-1649
Western New York Foreign Trade Zone 823-2142
Aloha Electrical Inc elec contr 822-0414
Wellington Technical Services
CONRAIL CROSSES (UNDERPASS)
RIDGE RD BEGINS
GATES AV ENDS
FOX AV BEGINS
2246-2248 Vacant (2 Hses)
KANE AV BEGINS
O'DELL ST BEGINS
2350 Metro-Port Supply Co 823-4227
Kostoff Auto Parts 823-4227
Kostoff Auto Sales used car sls 823-4227
HOLBROOK ST BEGINS
2368 Sonny's Service Inc 823-6061
Karaga Steph J Jr 823-6061
2400 Vacant
2424 Aladdin Limousine Service 827-1158
S A D A Gas Sales gas sta 822-7088
DONA ST BEGINS
2530 G & R Federal Credit Union 823-4443
2558 Building
Rooms
001-010 Vacant (2 Rms)
020 Bethlehem Steel Corp (Admn Serv Human Resources)
100 Bethlehem Steel Corp Admn Serv (Trans Dept) 821-2380
104 Bethlehem Steel Corp Admn Serv (environmental hlth & safety)
202 Bethlehem Steel Corp (Admn Serv) 821-2201
210 Bethlehem Steel Corp Admn Serv (Purchasing Dept) 821-2796
2600 South Buffalo Railway Co (Genl Ofc) 821-3631
Bethlehem Steel Corp (Reclamation Dept) steel reclamation 821-3626
SMOKE CREEK UNDERPASSES
2654 All Undercare auto repr 824-0441
MADISON AV BEGINS
2674 Rivera
2678 Colosimo Charles R ◎ 824-5761
2682 De Giuli Angelina Mrs ◎ 823-9246
2686 Haley Jas M ◎ 823-0438
2690 Paolini Joseph R ◎ 822-9075
2694 Jones Ann E Mrs ◎ 823-0149
2698 Colafranceschi Sharon ◎
2704 Leroy Raymond 825-6660
2708 Staniszewski Loretta F Mrs ◎ 822-7366
2712 Dobry Eug J 822-9176
ADAMS ST BEGINS
2722 Vacant
2726 Myers Anna R Mrs ◎ 824-0998
2730 Kollander V Dorothy ◎ 825-0842
2734 Weaver Dennis J ◎ 827-8626
2738 Gable Joseph W ◎ 826-0411
2742★Mandy James P ◎ 824-3288
2744 Sobaszek Edw ◎ 822-9421
2748★Bish Linda S ◎ 822-2446
2752 Mc Clusky
2756★Fullone Richd ◎ 824-1060
LINCOLN AV BEGINS
2900 Bethlehem Steel Corp (Gate 7)
Bethlehem Steel Corp (13 Inch Bar Mill) 821-3050
CITY LIMITS

186

HAMILTON AV (LACKAWANNA) FROM 3006 SOUTH PARK AV EAST TO KATHERINE PL

ZIP CODE 14218
14 Kozak Madge Mrs 824-9217
15 Cizdziel Frank ◎ 825-7790
★Cizdziel John
18 Smith Clayton W ◎ 823-5790
21 Ubiergo Lucy M Mrs ◎ 826-1536
24 Strek Joseph A ◎ 828-1069
30 Gonsiorek Thaddeus J ◎ 823-2742
★Moore M D 826-0689
32 Procakiewicz Joseph Jr ◎ 823-3053
33 Sorger Ruth Mrs ◎ 823-3745
40 Kern Eug A ◎ 824-2025
41★Makeyenko Thomas ◎
43 Kovacs Geo ◎
47 Sibiga Casimer ◎ 824-5838
48 Sieracki Helen C Mrs ◎ 825-7567
54 Perez Antonio J ◎
55 Przybylo Chester J ◎ 823-1880
59 Evans Allen G ◎
60★Nowak T E ◎ 825-6283
66 Fanning Helen C Mrs ◎ 825-6905
Fanning James M 825-6905
67 Dziak Frank M ◎ 822-5463
74★Cilo Sebastian ◎ 824-1031
77 Morrocco John ◎ 824-8805
78 Dziak Joseph J ◎ 825-7298
81 Terwilliger Donald J ◎ 824-6861
86 Nowak Stanley J ◎ 825-5096
92 Nowak Henry J ◎ 825-4811
93 Schwed Frank S ◎ 826-5423
95 Katra Helen A ◎ 822-0200
KATHERINE PL INTERSECTS

91

HAMILTON ST –FROM NIAGARA RIVER EAST TO 302 TONAWANDA

ZIP CODE 14207
ft U S Army Corps of Engs Bldg No 7 (Side Ent)
DANN ST ENDS
NIAGARA ST INTERSECTS
33 Wojcik John J ◎ 873-2104
41 Kyler Carl 873-4998
Marcelino Carla C 877-8783
43 Stickl Peter ◎ 873-9660
DEARBORN ST INTERSECTS
61 Mock Kenneth D ◎ 874-1820

DRESS UP your business. Put your name in bold face type under every heading that describes your product. IT PAYS

USE The Alphabetical Section to get Complete Information on a person or firm.

LARKIN ST 1992

THE BUFFALO NEWS
CLASSIFIED ADS 856-5555 | HOME DELIVERY 849-4545 | NEWS DEPARTMENT 849-4444

LANGFIELD DR–Contd
301a-301b Vacant (2 Hses)
303a Mills Robt J 893-0682
303b★Cooperwood Lela
305a Pearson Sheryl
305b Vacant
307a Allen Norma Mrs
307b★Stanford Eliz M
307c-308 Vacant (3 Hses)
309a Oswald Thos
309b-311a Vacant (2 Hses)
311b Fenty Marcella L Mrs 892-9259
312★Paige Marsha P 834-0178
313a Vacant
313b Easley Deborah Mrs
314 Vacant
315a★Fulton Roberta J
315b-315d Vacant (3 Hses)
316★Taylor Josephine
317a Vacant
317b Raymond Valerie Mrs
318★Reed Janice M 833-0583
319a-320 Vacant (3 Hses)
321a★Thomas Rose
321b-322 Vacant (2 Hses)
323a Payne Ronald
323b-325a Vacant (4 Hses)
325b★Trent Margt L
325c Brice Ruth Mrs
326★Steward Yvonne
327a-327c Vacant (3 Hses)
327d Brown Tonya
329a White Jean Mrs 896-1146
329b★Croft Yvette J
331a James Edna Mrs
331b Fayson Anita Mrs
333a-333b Vacant (3 Hses)
335a Alston Carrie Mrs
335b Coleman Micheal D 894-9975
335c Elliott Christine Mrs
336★Folmar Marilyn 862-9781
337a Vacant
337b Myles Betty Mrs 895-9216
337c Jones Ruby Mrs 894-7376
338★Mitchell Eliz M
339a Vacant
339b Harris Eliz Mrs 891-8258
340 Vacant
341a Nelson Vera M Mrs 895-7233
341b Vacant
342★Turner Joshua
343a★Carpenter Keith 895-8276
343b-345d Vacant (6 Hses)
346★Moultrie Johetta 832-3852
347a★Williams Carol
347b Dukes Carol
348-350 Vacant (4 Hses)
351a James Jesse Jr
351b Brinson Bettie Mrs 891-9671
352★Matthews Joanne T
353a-353b Vacant (2 Hses)
354★Mc Nab Saml 833-0916
355a Vacant
355b Johnson Cedrick 893-7616
356★Overall Rose L 835-7580
357a-357b Vacant (2 Hses)
358★Williams Alice J 837-3657
359a-361a Vacant (6 Hses)
361b Hooks Felicia Mrs
362-363a Vacant (2 Hses)
363b Ellers Harriette Mrs
364★Walters Richd J
365a-367c Vacant (6 Hses)
367d Montgomery Helen Mrs
368 Vacant
369a Lucas Lynne
369b Hoskins Sheritha 894-9346
369c-369d Vacant (2 Hses)
EDISON AV INTERSECTS
384★Walters Renee
386 Dickerson David 896-3843
388-390 Vacant (2 Hses)
392 Whitner Hazel Mrs 896-5392
394 Adams Dolores Mrs
COLLINS WALK BEGINS
408 Walker Janet L
410 Vacant
412★Reynolds Janet M
414-416 Vacant (2 Hses)
418 Case Adelle Mrs
CONGRESSIONAL WALK BEGINS
432 Ray Leonard
434 Lance Dorothy Mrs
436-438 Vacant (2 Hses)
440 Perkins David 897-0008
442 Stevens Johnnie Mrs
BEITER WALK BEGINS
456 Myers Albert
458-460 Vacant (2 Hses)
462 Winters Peter
464 Vacant
466 Bulter Betty Mrs 893-4570
EGGERT RD INTERSECTS

180

LANGMEYER AV –FROM 72 OLYMPIC AV EAST TO 2564 BAILEY AV

ZIP CODE 14215
2 Esch Alice M Mrs ◉
4 Rosenthal Wille ◉ 891-4984
6 Esch Russell S ◉ 894-8836
7 Vacant
10 Sanders Dorothea Wilson
11 Baldwin Stella A ◉
12 Johnson C ◉ 891-8168
15 Donmore Christine J Mrs ◉ 894-8181
16 Huston Mary
19 Evans Jerry ◉
Evans Eliz 897-1928
20 Carrigan Lawrence ◉ 892-4280
Carrigan Milton T 893-7896
21 Gress Robt W ◉ 896-7896
22 Appleton Annette ◉ 895-8034
Vacant
23 No Return
24 Vacant
Vacant
25 Butz Leroy C ◉ 893-5374
26★Dubenion Sylvester 896-8006
Backus Theardies
27 Dixon Wm H ◉ 893-0709
28 Vacant
29 Davis Richd 893-7332
★Davis Johnnie
33 Lewis Brian K 892-8945
34 Wilson Clay ◉ 891-5645
35 Gruber Beatrice E Mrs ◉ 893-9205
36 Satchell Curtis K
Brown Tina
37-43 Vacant (4 Hses)
Dickinson Dwayne ◉
45 Johnson Mary J 892-3128
46 Brown Juanita V Mrs 893-4127
Vacant
47 Vacant
Pringle Richd ◉ 898-0389
50 Reinard Henry C ◉
51 No Return
Bozeman F Mrs
52 Vacant
Vacant
53 Witherspoon Benj G ◉ 891-5858
Luko Carol
54★Canter Saundra
57★Hawkins Wanda
58 Daniels David 897-0723
59 Ashley Jonathan W 892-6543
Ashley Sheila M
60-61 Vacant (2 Hses)
Vacant
62 Pitkin Barbara M ◉ 893-5039
64 Vacant
Vacant
65 Vacant
67 Scott Loretta ◉ 896-5471
68 Reese D
69 Vacant
Vacant
73 No Return
Campbell C ◉
74★Raynor John
Vacant
75 Daniel W R ◉
76 Alexander Willie ◉
80 O'Neil Charles ◉ 893-4157
No Return
81 Gomlak Irene B Mrs ◉ 894-3247
BAILEY AV INTERSECTS

82-A

LANNETTE PL –FROM 260 CENTRAL AV EAST TO BAILEY AV

ZIP CODE 14206
BAILEY AV INTERSECTS

108-A

LANSDALE PL –FROM 451 KOONS AV EAST TO DEAD END

ZIP CODE 14211
11 Vacant
Vacant
13 Champion Shirley A ◉ 897-2746
Vacant
RUSTIC PL BEGINS
19 Hatchett John 892-8385
Vacant
23 Jackson Thos
Bagwell Jackie 892-8477
25 Davis Brize
Kitchens S
Davis Robt
27 Ayers Rosa 892-4734
29 Vacant
35★Harper Hattie
39 Gordon Beulah Mrs ◉ 892-2021
41★Newkirk Sherry D
43 Carter Mabel J Mrs ◉ 892-3970
DEAD END

95-B

LANSING ST –FROM 22 JOSLYN PL EAST TO MILITARY RD

ZIP CODE 14207
11★Dominiak Joseph J
Carl Dana 875-9659
15★Doyle Seaghan 875-9659
17★Knisely Jeff
19★Gempko Lynn
★Danaher Mary
Wansart Russell 87-7188
21 Villa Sharon Mrs
★Stearns Michl J
24 Metal Preparations Co Inc 874-0786
26b Peerless Heating & Cooling 875-3727
26c Hector's Wholesale Distributing Co Inc hdw 877-6200
MILITARY RD INTERSECTS

52

LARABEE ST –FROM 40 HOPKINS EAST TO DEAD END

ZIP CODE 14220
9 Skrole Iron & Welding (Stge)
12 Evans Ray M ◉ 821-0178
16 Koch Anna Mrs ◉ 824-1606
DEAD END

127-A

LARCHMONT RD –FROM 35 UNIVERSITY AV NORTH TO KENMORE AV

ZIP CODE 14214
7 Lucitt Rose N Mrs ◉ 835-1228
9 Danner Mary F ◉ 834-5269
11 Long Wm L archt ◉ 835-5299
15 Neri Brian N ◉ 838-1673
21 Mc Groder Louise C Mrs ◉ 833-2177
22 Brooks Christine H Mrs ◉ 835-7215
25 Smythe Garry ◉ 833-7888
26 Carter Joel M ◉ 833-2418
27 Long Norman V ◉ 832-5315
30 Masi Chas ◉ 837-9220
35 Bentley Jeanne ◉ 834-0702
36 Salczynski Genowefa Mrs ◉ 836-7917
RADCLIFFE RD BEGINS
39 Muscarella Salvatore ◉ 832-8201
43 Berg Lillian C Mrs ◉ 833-3747
45 Skulicz Matthew ◉ 836-1435
49 Koenig Peter W ◉ 837-3068
53 Head Alan S ◉ 832-8852
57 Lamparelli Rocco A ◉
61★Pugh D T 837-0746
65 Dowd Kenneth C ◉ 836-7700
69 Lockwood Merle E ◉ 833-5612
73 Mihich Enrico ◉ 832-5757
BELLEVUE AV INTERSECTS
81 Young Robt D ◉ 834-8087
82★Benz Sharon A
87 Gavco Roofing & Siding Inc 838-3144
Jablonski Thos L ◉ 838-3144
90 Harding John P ◉
91 Seguin Jas R ◉ 837-8367
93 Carney Patk M ◉ 832-1454
94 Lazarus Jas A ◉ 833-6564
98 Winslow Gary K ◉ 837-3653
99 Bartley John ◉ 836-0125
102 Lamantia Steph R Jr ◉ 836-2382
103 Polino Cosimo S Jr ◉ 837-9675
104 De George Eliz B Mrs ◉ 836-1367
108 Hays Joseph F Jr ◉ 834-1079
109★Czonka Delona M Mrs ◉ 833-3122
112 Hagag Ahmed M ◉ 862-9101
115 Kogler Donna E Mrs ◉ 833-8873
116★Wilson Joseph V ◉
117 Metschl Danl R ◉ 835-4630
121 Marzec Raymond E ◉
KENMORE AV INTERSECTS

1

LA RIVIERE DR –FROM LAKEFRONT BLVD SOUTH ENDING IN A CIR

ZIP CODE 14201
WILKESON WAY ENDS
40 Vacant
U S Sprint communications 847-0276
Vacant
I B M (Bflo Br) busn machines 855-6111

120

LARK ST –FROM 28 SIDNEY NORTH TO 467 NORTHLAND AV

ZIP CODE 14211
14 Henderson Abbie ◉ 895-6133
Frenny Robt L
15★Hubbard Norman
16 Barker Virginia 891-9134
17★Martin Eula ◉
★Williams Ann
★Harris Sandra
18-20 Vacant (3 Hses)
21 Hill Alberia ◉ 894-9489
Willford Chas
22 Dean John Jr ◉ 892-0675
Boykins Charles 893-1622
25 Brown Charles A 895-4154
26 Bennett Genella E Mrs ◉ 892-2364
29 No Return
Jones Jay C
30 Wright Lisa
Clark Dwayne
31 Gardner Beverly A Mrs ◉
Kemp Helena E 896-8252
32 Henderson Ann Mrs ◉ 894-6864
35 Brewer Otto ◉ 892-1431
36 Hinkle Mary L Mrs ◉ 893-6094
Singletary Alward 893-3093
37 Brown Alvin ◉
Mc Donald Robt
38 Brown Robt L ◉ 892-4365
40 Hord Wm A ◉
41 Hakim Nafisah A 893-5659
Simms Sherita
43 Kline Ethel L Mrs ◉ 892-5777
44 Bellamy Gerald D 894-7449
★Bellamy Gerald D Jr
47 Gray Leroy ◉
Crowell Corrie M Mrs 894-6439
48 Cooper Emanuel C ◉ 891-5042
Cooper Randy L 895-2791
51 Moore Edith M Mrs ◉ 891-8916
★Mann Eliz
52 Gist Ernestine Mrs ◉ 896-3614
Johnson Norma E 895-0087
53 Tarabula Julia T Mrs ◉ 892-7006
55 Swartz Eliz C Mrs ◉ 894-3473
56 Henderson Loraine
Waker Rachel E Mrs ◉
Foreman James
58 Vacant
Outen Otis
★Lynch Charles
Vacant
62 Lewis David J
★Zachory Corlethus
74 Scott Roosevelt ◉ 892-0389
75 Wiggins Mary A Mrs
76 Vacant
77 Thomas Dorothy L Mrs 895-8093
78 Vacant
81 Williams Ellawase
82 Denler Sheet Metal Inc 893-6706
84 Vacant
Vacant
85 Smith Jim O
★Brown E 891-4728
NORTHLAND AV INTERSECTS

36

LARKIN ST –FROM 211 ROSEVILLE NORTH TO SENECA ST

ZIP CODE 14210
189 Hackett Gaylord D 824-0323
Misechok Steph 852-8088
197 Kosikowski Irene Mrs ◉ 852-8205
204 Colden Hills Inc homesiding insulation dlr 852-1311
205 Gray Christine A Mrs
Dingeldey Kimberly Mrs
207★Wilson Tyrone
209 Vacant
211 Cochran Arth E 856-7910
Horn Richd Jr ◉ 852-6090
ROSEVILLE ST BEGINS
241 Larkin Service Inc truck & trailer repr 854-1310
CONRAIL CROSSES
EXCHANGE ST INTERSECTS
290 Sam-Son Distribution Center Inc frt forwarding 853-3500
293 Elevator Maintenance Co (Stge)
309-315 Vacant (3 Hses)
SENECA ST INTERSECTS

31

LASALLE AV –FROM 3043 MAIN EAST TO BAILEY AV

ZIP CODE 14214
25 Volovick Euginy 833-2388
Bostaph Ricky D 835-3106
29★Boganiewski M
Talapatra Gautam 834-0413
33 Costello Steph A ◉
36 Earl's Upholstery 834-6884
Anton Earl A ◉ 834-6884
37 Moraes Ricardo A ◉
39 Vacant
40 Braun Nancy E 836-6309
★Simoes
Vacant
Rear Phanord Edw
45 Joseph Renelle 834-7681
Copti Roger
48★Boehm Terri 837-6549
Shaw Mary C Mrs ◉ 835-1037
49 Tru-Mold Shoes Inc mfg 837-6663
Rear Cermtol U S A Manufacturing Inc bridge bearings mfg 836-2872
Rear Watson Bowman Acme (Lasalle Div) bridge bearing mfg 838-1182
52 Steward Alton L ◉ 833-1794
56 Cahill Patricia J Mrs ◉
60 Santiago Hector R ◉ 833-2418
73 Buffalo Plastic Pallet Inc 834-3038
Neville Lumber Co Inc industrial pallets & skidders 834-3038
74 No Return
78 Fillinger Joseph M ◉ 836-3187
Gearin Wm J 833-2953
80 Littler Wm ◉ 834-4582
83 Waldheim Iron Works Inc 833-6520
89 W U F O Radio (Div of Sheridan Broadcasting) 834-1080
92 Apartments
1 Morrison Robt J 833-3578
2 Myree Chas 835-1203
3★Mensah Eug A 834-9059
4★Karna Shashi 832-4136
98 Zimmett Geo P Jr ◉ 833-0653
Zimmett Geo P III 833-0095
100 Difranceso Deigo ◉ 838-5638
Muscarella John
101 T C I of New York Inc cable tv 862-4640
106 Healy Robt W ◉ 838-6239
110★Agarwalla Sunil
★Chandle John

Jenss
WILLIAMSVILLE, N.Y., I
AMHERST, N.Y. BOULE
NIAGARA FALLS, N.Y., MAIN ST. AT DIVISION ST.
SUMMIT PARK MALL
837-1100
285-6666
297-7400

DEPEW, N.Y. 14043 Tel. 686-2500
Graphics/Buffalo Inc
Who sells ?
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EUCLID PL—Contd
40★Averti Charles A
Weiss Gary J
Weiss Loretta Mrs ⊙ 826-4770
43 Cichon Wm ⊙
Rounds Kath M
44 Gorman Thos J ⊙ 824-0798
45 Carrick James
46 Steele Cheryl
49 Nowak Frances Mrs ⊙ 824-1887
50 Hillyard Genevieve ⊙ 823-4168
51 Doherty Ann C Mrs ⊙ 822-5062
52 Norris Wm E ⊙
55 Hillyard Gary M 824-9315
Hillyard Harold R Jr
56 Baran Jacob ⊙ 822-5191
Horrigan Anna T 823-4650
58 Racki Norman C ⊙ 824-4636
60 Frankhauser Genevieve Mrs ⊙ 824-3402
ELK ST INTERSECTS

107-A
EUGENE ST —FROM DEAD END NORTH TO 1500 KENMORE AV

ZIP CODE 14216
HINMAN AV INTERSECTS
20 Sheffield Helen C Mrs ⊙ 877-4820
21 Vogt Lyle Norman ⊙ 877-7396
24 Steffen Wm C ⊙ 873-5284
25 Apartments
1 Mann Barbara 873-9068
2★Hartman Jennifer A 873-6493
3★Thomas Harry 874-0179
4 Baker Stella J Mrs 875-0480
29 Brodzik Leon C ⊙ 873-2344
30 Moti Gertrude E Mrs ⊙ 875-1643
34 Reardon Marguerite M Mrs ⊙ 875-9692
★Steger Wm
35 Fish Eug H ⊙ 877-1845
37 Roetzer Evelyn Mrs 873-6828
Pache Carl E ⊙ 873-5869
38 Leonardi Romano ⊙
41 Toth Steven J ⊙ 876-9047
42 Vacant
RAMSDELL AV INTERSECTS
50 Pirri Benedict F ⊙ 873-4430
51 Hilczmayer Michl P 875-8661
54 Donovan Louise C Mrs ⊙ 873-2826
57 Hilimon Ruth N Mrs ⊙ 877-1465
Kaletta John ⊙ 873-8168
62 Woodworth Lorne A ⊙ 877-5727
63★De Jordine John
65 Grobe Douglas J ⊙ 873-6879
66 Corica Michl J ⊙ 876-6556
69 Bridger Edw J ⊙ 875-3032
75 Mc Henry
★Strauss S 877-0467
KENMORE AV INTERSECTS

16
EUREKA PL —FROM 338 SYCAMORE NORTH

ZIP CODE 14204
23 Beckham Harry L 842-0240
Jones Netrice L 842-1434
REAR Chapman A D
24 Anderson Marilya D
25 Pitts Wm ⊙
Greene Margaret 849-0706
27 Rice Wendy M
31 Flowers Florence Mrs ⊙ 856-4562
33 Mathies Anne Mrs ⊙ 845-6249
44 Harrell Mahala 856-6215
62★Smith Philip
Little Norman
67 Jackson Bertha M Mrs ⊙ 849-0875
GENESEE ST INTERSECTS

127-B
EVADENE ST —FROM 144 ENGLEWOOD AV NORTHEAST

ZIP CODE 14214
14★Post Laura L
Evans Karen A 836-0909
17 Stephenowski John ⊙ 838-6562
18★Milli Elaine
21 Di Pasquale Lambert ⊙ 837-5369
22 Lape Edw N ⊙ 836-2980
25 Sweeney Martin N ⊙ 836-8233
26 Eagan David J 832-9481
Hicks Kevin ⊙ 834-1835
27 Vitello Ralph J ⊙ 837-9848
★Facad Jos
28 Failla Vincent A ⊙ 838-1877
MONTROSE AV INTERSECTS

54
EVANSTON PL —FROM 38 SIBLEY EAST TO 7 JULIUS

ZIP CODE 14220
14 Shanahan Kevin J ⊙ 823-2025
17 Skotnicki Matthew M ⊙ 825-1918
18 Schmelzinger Joseph N ⊙ 823-4353
22 Miranda Raymond S ⊙ 822-9213
26 Horrigan Danl J ⊙ 824-1058
AUGUSTA ST BEGINS
29 Barry Blanche C Mrs ⊙ 822-9370
33 Cohen Richd M ⊙ 822-2715
36★Horhota Joanne M ⊙ 823-6278
Putnam James R 825-2572
37 Travis Wm C ⊙ 823-7003
38 Weir John K ⊙
41 Gold Harlan H ⊙ 824-3759
44 Shriver Elmer J ⊙
47 Mahar Kevin D ⊙ 824-9815
50★Cosovic Halil ⊙ 825-7421
★Westpfahl Tracey
51 Johnson Richd ⊙ 823-7657
55 Hynes Marian T Mrs ⊙ 824-8684
58★Bayles Dawn M
Oliver Joseph A ⊙ 823-1161
62 Lowitzer Rita Mrs 825-1788
Metelski Mary D Mrs ⊙ 823-8034
63 Hynes Anthony J ⊙ 822-9235
67 Szewczyk John A 823-2850
JULIUS ST INTERSECTS

83-A
EVELYN ST —FROM 332 ESSER AV SOUTHEAST

ZIP CODE 14207
11 Lukacz John ⊙ 876-7715
Lumberg Sigmund J
15 Quick Kenneth S ⊙ 875-2172
Quick Karen N
19 Bobish Saml ⊙ 876-5285
20 Lier Betty A Mrs ⊙ 873-3603
21 Praties Robt I ⊙ 877-5780
26 Malaney Robt P ⊙ 873-3546
27 Dobson Wm J ⊙ 875-8564
30 Mac Leod Evelyn M Mrs ⊙ 873-0615
33 Gauthier Edw A ⊙ 877-7230
34 Taylor Leo G ⊙ 873-1057
37★Kemp Doris T Mrs ⊙ 873-1044
38 Schmitt Ruth A Mrs ⊙ 873-3676
41 Perkins Richd ⊙ 874-2503
45 Schmit Herbert F Jr ⊙ 875-3324
46 Mock Mary K Mrs ⊙
49★Cavalieri Richd ⊙
50 Gentile Delores 877-5454
Kristich Mary Mrs 876-8377
51 Hasbrouck Aug ⊙ 873-0663
52 Kirschner Rudolph J ⊙ 877-5166
54 Vukovic Jos ⊙ 876-6273
55 Miniclier Robt
Partridge David
56★Whittaker J R
57 Dressel Wm A ⊙ 875-6727
★Guragny Gary 876-6211
58 Malast Helene ⊙ 873-0698
Malast Anna
61 Keeley Helen A Mrs ⊙ 876-8527
62 Miklos John ⊙ 876-1984
Schafer Sandra Mrs
63 Wood Gary M ⊙ 875-8690
64 Bermel
67 Cheman Aug M ⊙ 877-1007
68★Kotlarski Keith C ⊙ 873-4861
69 Domaracki Frank J ⊙
70 O'Sika Natalie Mrs ⊙
73 Vacant
Schultz Walter D 877-2759
74 Demerecki Martin ⊙
75 Skoney Thos L ⊙ 873-8293
76 Bartnik Walter J ⊙ 877-6639
79 Valvo Leonard R ⊙ 876-1031
80 Baumgardner Gilbert F ⊙ 875-1861
81 Adamczak Kenneth P ⊙ 873-7616
82 No Return
ONTARIO ST INTERSECTS
115 La Marco Josephine Mrs ⊙ 876-5142
116 Kollmar Gordon F ⊙ 873-4042
REAR Davies Michl
120 Christer Alice R Mrs ⊙ 875-3708
Wilcox Elsie
121★Gaudy Robt T
123 Matyus Raymond W ⊙ 877-5884
126 Mc Enery Hoyt ⊙ 876-4787
127 Matyus Gaza J ⊙ 876-8775
128 Mahoney Frances J Mrs ⊙ 875-9820
131 Cuthbertson Marc ⊙ 876-7212
132 Menke Richd H ⊙ 874-1704
133 Wright Robt A ⊙ 876-7319
134 Ekes George R ⊙
138 Mersberg Lawrence ⊙ 877-5951
139 Surdan Leonard ⊙
140 Schihl James J ⊙ 874-4336
144 Ceryak Louis R ⊙ 875-9041
145 Bourkney Marion H Mrs ⊙ 877-0849
146 Martin Anna Mrs ⊙ 876-0241
149 Flading Charles E ⊙ 873-0112
151 Reuillard Camille J ⊙ 873-9101
153★Furjesi John 876-1741
CONRAIL CROSSES

147
EXCHANGE ST —FROM FOOT OF OAK EAST

ZIP CODE 14203
158 Montgomery Dan restr 855-8942
Montgomery Mildred Mrs
Harrison Herman
MICHIGAN AV INTERSECTS

8
CHICAGO OVERPASS
ZIP CODE 14204
253 C W P D Trucking & Distributing Inc 852-7029
260 Vacant
LOUISIANA OVERPASS
ALABAMA INTERSECTS (NOT OPEN)
HAMBURG OVERPASS
ZIP CODE 14210
391 Stetson Chemicals Inc indl chem 852-7245
CON RAIL CROSSES
568 Dewer Joseph N
Maxin Douglas

36
596 Iroquois Door Co (Garage)
650 Alp Steel Corp 854-3030
659 Iroquois Industries Inc sash & doors whol 856-8144
LARKIN INTERSECTS
669 Iroquois Industries Inc (Whse)
690 Iroquois Industries Inc (Whse)
VAN RENSSELAER OVERPASS
GRIFFIN BEGINS
(NOT OPEN BET GRIFFIN & SMITH)
SMITH INTERSECTS
927 Setlock James 827-8790
929 Hamerski Helen J Mrs ⊙
931 Lauer John ⊙
933 Vacant
ANDREW AL ENDS
936★Horn Betty L
938 Casapis John
939 Szyszkowski Mary J Mrs ⊙ 824-7403
REAR★Szyszkowski Edw D
REAR Kojac Sophie
941 Zak Eliz 826-0846
Ernest Michl
REAR Misiak Walter J 825-2875
945 Vacant
SORDYL AV ENDS
949★Morgan Sandra L Mrs
★Koziel Leonard 824-4672
961★Oygulski Florence
Eisensmith Paul P 825-0239
963 Zglinicki Eug H ⊙ 824-5171
Vacant
965 Zajac Edw
DAYTONA AL ENDS
969 Bright Cassie
★Tomasik Darlene A
979 Ernest Wm H 823-0110
★Myers Sharon
981 Kwaizer Chester ⊙ 825-3139
983 Weber Thelma ⊙
Kruczon Chester
991 Magretta Stanley L ⊙ 825-2968
SELKIRK ENDS
995 Babe's Bar restr 825-8940
Zielinski Genevieve 825-3834
Szczepanik Edw A ⊙ 825-8940
997 Starzynski Anthony W ⊙ 822-8304
999 Kremblas Stella Mrs ⊙ 826-1323
REAR Szejnar Eddie
REAR Minorczyk Helen Mrs 825-7401
REAR Lewandowski Bertha Mrs 825-2587
REAR Szczepanik Matthew E 825-1731

199
F ST (LACKAWANNA)—FROM END OF 4TH SOUTH TO DEAD END

ZIP CODE 14218
5TH ST INTERSECTS

113-A
FAIRCHILD PL —FROM LINDEN AV NORTH TO 1183 HERTEL AV

ZIP CODE 14216
1 Reith Erna J Mrs ⊙ 873-2154
★Landel Simon
2 Scaduto Richd S 874-0766
★Mineo Anthony ⊙
5 Caci Gasper
Popko Helen D Mrs ⊙ 875-5377
6 Mroz John H ⊙
Hammer Bernice M 873-5965
9 Hoegerl Heinrich J ⊙ 877-3255
10 Rossitto Dominic A Jr ⊙ 873-5230
Mecca Donald R
15 Corcoran Eug P ⊙ 873-1627
16 Ryan Michl A ⊙ 877-7348
★Lemieux Lydia ⊙
17 Tripi Joseph ⊙ 873-9431
18 Ball Alvin H ⊙ 874-0449
Ball Allan J 874-1686
19 Jackman Michl C ⊙ 874-3833
Fitzgibbons Theresa I 877-7032
20 Ortolano Sandra Mrs 876-9680
★Stalikas Steph Jr 877-9876
23 O'Rourke Arth B ⊙ 875-0028
24 Maniscalco Ann M 877-4920
27 Gerace Rose M Mrs ⊙ 876-7252
Gerace Carl
28 Gantress Edw W ⊙ 875-6281
29 Lang Wm R Jr ⊙ 877-2889
30 De Forest Alan R ⊙ 876-7776
33★Suozzi Mark 876-4051
Groenewoud Calvin J ⊙ 876-1276
TIOGA BEGINS
37 Roeder Raymond E 873-6074
Housman Anna K Mrs ⊙ 875-7559
39 Denton Wm ⊙
40 Caputi Christopher 873-5790
43 Campisi Joseph ⊙ 873-4777
Girling Michl W 876-5695
44 Pennell Paul B 874-1658
Terranova Joseph M
45★Marchese Millie
Tirone Stefano ⊙ 873-7108
48 Pelonero Edna C Mrs ⊙ 875-0497
49 Fontana Travel Service 877-3610
Fontana Ada L ⊙ 873-5745
52 Puma Albert M ⊙ 873-2829
53 Martinelli Andre F
★Caputi Michl
54 Grubb Wm T ⊙ 874-6674
57 Woodward Margt ⊙ 876-8820
58 Pelonero Louise A
Muscato Joseph E Jr 877-7503
59 Smith Robt L ⊙ 873-0156
62 Grabenstatter Raymond C ⊙ 877-1856
Butler Mark 873-3742
63 Rose F Margt ⊙ 873-1554
65 Mierzwa Joseph S ⊙ 876-4147
66 Strickland Benj ⊙
68 Giese Richd W ⊙ 876-5468
DAKOTA BEGINS
69 Rockwood Leon S ⊙ 876-8922
71 Vacant
75★Schrades K M 877-9435
78 Polizzi Mariano C ⊙
Polizzi Rosina
79 Liberatore Margt L Mrs ⊙ 873-7161
Sajsa Marie 873-6700
83 Clark Olive T Mrs ⊙ 877-2050
Aldridge Mary Ellen Mrs 873-0858
84 Freeman Albert T ⊙
85 Palmisano Lance J 876-7888
Cognato Marie Mrs ⊙ 874-4984
88 Durning Zelda D Mrs ⊙ 877-1568
89 Sciortino John ⊙
91 Audino Jennie S Mrs ⊙ 875-4118
★Jakubowski Edw
92 Pelosi Frank R ⊙
95 Puzzella Maria Mrs ⊙
96 Robb Edw H ⊙ 873-2146
Kopra Susan
98 Memmo Geraldine ⊙
Fasciana
102 Wall Patricia Mrs ⊙ 877-0690
Laskowski Clara 876-3886
HERTEL AV INTERSECTS

796-A
FAIRDALE RD (LACKAWANNA) FROM 63 WINSTEAD RD SOUTH

196-A
ZIP CODE 14218
65 Mingarell Jos N 825-5541
67 Tone Mary T Mrs ⊙ 822-2483
69 Wilson Elma M ⊙ 823-6933
71 Vacant
73★Skoczylas Arthur A
75 Taltos Karoly 826-0107
ERRINGTON ENDS
81 Byrne Mellissa 824-2853
83 Schillo Patricia Mrs
85 Whalen Douglas J ⊙ 822-1438
87★Dietz K 825-7603
LINCROFT RD INTERSECTS
89 Giancaterino Victor S ⊙ 825-7596
91 Rogido Conchita Mrs 825-1942
93 Koziej Dorothy M 825-8289
95 Chiodo Frank G
97 Cardamone Anthony J 827-8217
99 Galczynski Frank 826-6094
101 Fuller Wm E 825-4673
103 Dougherty Gerard L 823-6484
105 Morgan Glen
107★Bowers Erv 822-2732
109★Mazur Thos F 824-9346
111 Olivia Victoria
113 Potratz Mary E Mrs 824-1913
115 Fraschella Thos ⊙ 825-0267
117 Martin Margt C 822-4025
119 Chirico John P 824-1681
121 Tozzo Mark A 522-2521
123 Strzacick Christine D Mrs
WINSTEAD RD BEGINS

115-A
FAIRFIELD ST —FROM 2519 MAIN NORTHWEST TO 1657 AMHERST ST

ZIP CODE 14214
14 Turner Denise 837-9413
16★Schutz Anna Mrs
Clarke Allan M ⊙ 832-9833
18 Gladney Felix ⊙ 837-5577
22 Hellriegel Arth G ⊙ 833-4605
24 Studt Res
25 Hare Leon N ⊙ 832-4066
28 Studt Res
Mc Leod Taylor 832-6995
34★Mc Cracken Timothy 833-8051
Colao Larry 838-2257
★Tassi Gina 835-4939
★Waters Valerie K 835-7417
35 Battaglia Anthony J 833-2843
36 Gallagher John J 834-6209
Farley Thos Jr ⊙ 833-8576
39 Russell Gordon A ⊙ 832-5573
40 Vitrano Anthony ⊙ 833-1357
42 Catalano Mae Mrs ⊙ 835-0778
Catalano Fabian C Jr ⊙ 834-3993
44 Pearce Danl S ⊙ 837-3877
Certo Peter J 836-0096
50★Kobakof Kosta ⊙ 836-2413
54 Taube Kevin 832-7339
ORCHARD PL ENDS
57 No Return
★Schiarione Michl D 835-6941
58 Vertino Sharon
59★Steinachs H
Ibbett Brian R 836-8110
60 Hanley Eliz Mrs
Studt Res
62 Watrous L Vance ⊙ 832-5588
63★Frankl Jas 834-1821
★Cook Virginia 838-1839
68 Laird Nancy J 832-4539
★Huckabone Douglas 832-5900
69 Suozzi Paul J ⊙ 834-5691
70 Marillo Mary L Mrs ⊙ 833-1353
★Lavail Jeff
71 Vacant
72 Galenti Lucy Mrs ⊙ 832-1199
★Dell Julie
73 Bakos James M ⊙ 835-9211
75 Huynh Tri H 835-5889
76 Traks Thomas F 837-3543
★Carriero Mary B
78★Foster Blanche
82 No Return
★Lyles Kent
84 Nellany Mary Jane Mrs ⊙ 835-4386
★Stefanski Linda L 836-8629
88★Race Keith ⊙ 832-0609
VERNON PL ENDS
92★Brown Mari ⊙ 833-2060
★Cascio Nina 836-5119
94 Mc Kee Gertrude Mrs ⊙ 832-6918
98 Polder Cecilia A 835-5227
100 Procyshyn Frank R ⊙ 835-9019
103 Brockway Bryan G ⊙ 832-2098
104 Jackson Paul H ⊙ 835-9583
105 Herlan Jack ⊙ 838-5709
106 Pierchala Joseph W 835-8197

HAMBURG ST 1985

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HAMBURG ST—Contd
★Rodriguez David
81 Reitz Donald
85 Frankhauser Mary Mrs ◎ 854-3990
86 Balester Anthony C ◎ 855-2891
Smith Welton F 856-3950
87 Vacant
90 Balester Frank C ◎ 852-7857
Swenson Mary T 856-2757
Ranback Frances
Ford Steve
92 Mc Carthy John H ◎ 856-3746
Simonick Joseph M 854-5580
94 Thompson Dolores Mrs ◎
Thompson Wm P
96 Herbert Francis A ◎ 856-2087
O'CONNELL AV INTERSECTS
125 Patricia's Delicatessen
Housler Lena A Mrs 856-7486
126 Nowadey Michl 852-2038
Malaney Michl ◎ 847-0918
128 Dyczek Karl J ◎ 854-7081
129 Donna's Unisex beauty shop 856-0996
Needham Jamie
131 Frankhauser Fredk ◎ 852-4773
Brown Jean F Mrs
134 Rajla Mary Mrs
Rajla Rose Mrs
136 Syracuse Sharon Mrs 842-6383
Dunbar Ethel M Mrs
137 Vacant
139 Vacant
140 Cleary Mary E Mrs ◎ 854-3793
REAR Vacant
REAR Zielinski Chester
141 Heidinger Molly E 856-2951
Carroll Donna
142 Green Richd J 847-1348
Burke Wm ◎ 856-7782
143 Sumbrum James
★Petersdorf Richard ◎
144 Hoffstetter Mary G ◎ 852-7635
145 Cantazaro Mary Mrs ◎
★Kukula S 856-0291
146 Lo Vullo Angelo M ◎ 845-6908
Connors Timothy 847-0359
149 Bannister Mary Mrs 854-5432
Bannister David B ◎ 849-0143
151 Tolkacz Edw J ◎ 847-6774
152 Golden Michl ◎ 856-6984
153 Chilcott John J 847-6746
Corcoran Thos F ◎
156 Carney John F
158 Lukomski Danl T ◎
MACKINAW INTERSECTS
185 Chapman Gary R ◎
189 Plaza Gary ◎ 856-7260
190 Wojtasik Stanley J ◎ 852-2604
★Feigel Henry ◎
191 Burley Donna Mrs ◎ 856-0215
★Larusch Wm
192 Wojtasik Walter ◎
193 Proudman John ◎
198 Fiegel Henry ◎
Ford Laverna M Mrs 847-6373
200 Jedrysik Veronica M Mrs ◎ 854-0557
Mucha Edw G
202 Zlotek A Mrs 852-4421
204 Gorkiewicz Stanley F ◎
Cepuchowski Mary J Mrs 852-5384
207 Vacant
MIAMI ENDS
211 Mann Donald M ◎ 856-9731
215 Michel Agnes ◎ 854-5486
★Reardon Molly
217 Vacant
219★Banzen Paul
★Zawislak Gary
220 Le Cointe Blanche A Mrs ◎ 842-1035
222 Steves Edw 856-1320
224★Jasinski Chester
225 Beltran Carolyn A Mrs 854-7714
REAR Derouche Richd
226 Niedzwiecki Henry 856-1136
228 Ryszka Stanley J ◎ 842-6507
Devine Dolores
230 Bardon Edw J
231 Vacant
Cummings Patricia M Mrs 847-6559
REAR Cumming Charlene 847-0090
233★Fonsola Victor
Del Valle Gloria M
REAR★Figuera John ◎
234 Sibley Richd J ◎
236 Zemko Julia ◎ 852-6609
SOUTH PARK AV INTERSECTS
265★Radeki Wayne
★Alejandro Victor M
266 O'Sullivan John J
267 Carpino James M 856-9019
Vacant
COATSWORTH AL ENDS
269 Reese Donald
271 Shea J Robt ◎
273 Marsh Alice C ◎ 855-2700
275 Mc Donald Geo
Price Olga Mrs
FULTON INTERSECTS
289 Progress Food Market delicatessen
847-2525
Alsheikn Thabet M ◎ 847-2525
Nassar Abdallah
291 Flanagan Joseph
293 Staples Verna ◎ 855-3477
294 Apartments
1★Meely Isabella Mrs
2 Vacant
3 Lowery Antoinette
4 Vacant
5 Strickland Earlean 855-2406
6 Vacant
295 Kozlowski Walter F ◎
Kozlowski Matthew
297★Wojtulski Edw M
298 Apartments
1 Sarwaab Akram
2 Wilson Sandra
3 Sikora
4 Adside Sylvia
5 Colon Francisco
6 Vacant
312 Apartments
1 Vacant
2 Vacant
3 Anderson Erma
4 Silver Wm F
5 Vacant
6 Sanders Sadie
316 Apartments
1 Vacant
2 Mc Neil Bruce
3 Hawkins Athena
4 Alexander Minnie
5 Vacant
6 Epps Celestine
PERRY INTERSECTS
330 Apartments
1 West Sandra 842-1577
2 Duhain Francis 842-1477
3 Vacant
4 Vacant
5 O'Donnell Edw T 854-0434
6 Peterson Edna 852-0974
334 Apartments
1 Heely Gertrude
2 Reiman Herbert 852-3991
3 Vacant
4 Shackelford Pearlene
5 Lemons Cath
6 Glenn Sylvia 845-6275
THRUWAY OVERPASS
SCOTT INTERSECTS
363 Par-Foam Products Inc 855-2066
367 Tamor Industries die cutters 852-0490
369 Vacant
374 City Sewer Authority (Pumping Sta) 854-2215
CONRAIL UNDERPASS

8

EXCHANGE UNDERPASS
CARROLL INTERSECTS (NOT OPEN)
CON RAIL CROSSES
SENECA INTERSECTS
505 Vacant
MYRTLE AV INTERSECTS
519 Vacant
SWAN INTERSECTS

191

HAMBURG TURNPIKE (LACKAWANNA)—SOUTH ALONG LAKE ERIE (A CONTINUATION OF FUHRMANN BLVD BFLO)

ZIP CODE 14218
1915 Bethlehem Steel Corp (Gate 1)
Bethlehem Steel Corp (Coke Ovens) 821-2543
CONRAIL CROSSES (UNDERPASS)
4TH ST BEGINS
N 5TH ST BEGINS
6TH ST BEGINS
11TH ST BEGINS
RIDGE RD BEGINS
GATES AV ENDS
FOX AV BEGINS
2246 Vacant
2248 Vacant
2262 Eszak's Andy Restaurant 823-0327
Eszak Marie T Mrs ◎ 823-0327
KANE BEGINS
O'DELL ST BEGINS
2350 Kostoff's Sales & Service auto parts 823-4227
HOLBROOK ST BEGINS
2368 Karaga Motor Service
★Karaga Steph J 823-6061
2423 Ted's Hand Car Wash
2424 Gas & Go gas sta 824-8397
Sado Gas Sales Inc 822-7088
DONA ST BEGINS
Building
Rooms
001 Bethlehem Steel Corp Admn Serv (Mail Rm)
010 G & R Federal Credit Union 823-4443
020 Lackawanna Community Development Corp community planning & rehab 823-5124
100 Bethlehem Steel Corp Admn Serv (Trans Dept)
103 Bethlehem Steel Corp Admn Serv (Plant Eng)
104 Bethlehem Steel Corp Admn Serv (environmental hlth & safety)
202 Bethlehem Steel Corp (Admn Serv) 821-2201
208 Bethlehem Steel Corp Admn Serv (Acctg Dept)
209 Bethlehem Steel Corp Admn Serv (Human Resources)
210 Bethlehem Steel Corp Admn Serv (Purchasing Dept)
2600 South Buffalo Railway Co (Genl Ofc) 821-3631
Bethlehem Steel Corp (Reclamation Dept) steel reclamation 821-3626
SMOKE CREEK UNDERPASSES
2654 Sperduti's Engine Serv auto repr 826-5050
MADISON AV BEGINS
2674 Rivera Francisco W ◎
2678 Colosimo Charles R ◎ 824-5761
2682 De Giuli Sante ◎ 823-9246
2686 Janusz Chester F ◎ 824-5406
2690 Paolini Joseph R ◎ 822-9075
2694 Jones Ann E Mrs ◎ 823-0149
2698 Colafranceschi Joseph E ◎
2704 Leroy Raymond 825-6660
2708 Staniszewski Loretta F Mrs ◎ 822-7366
2712★Debry Eug J 822-9176
ADAMS ST BEGINS
2722 Monaco Michl P ◎ 825-1484
2726 Myers Joseph J ◎ 824-0998
2730 Kollander John J ◎ 825-0842
2734 Weaver Dennis J ◎ 827-8626
2738 Gable Joseph W ◎ 826-0411
2742 Latak Stanley T ◎ 824-3288
2744 Sobaszek Edw ◎ 822-9421
2748 Bish Geo ◎
2752 Mc Clusky Alfred B ◎ 824-9603
2756 Blattenberger Rex ◎ 826-3452
LINCOLN AV BEGINS
2900 Bethlehem Steel Corp (Gate 7)
Bethlehem Steel Corp (Galvanized Prod Div) 821-2784
Bethlehem Steel Corp (13 Inch Bar Mill) 821-3061
CITY LIMITS

186

HAMILTON AV (LACKAWANNA) FROM 3006 SOUTH PARK AV EAST TO KATHERINE PL

ZIP CODE 14218
14 Kapa Madge ◎ 824-8645
15 Cizdziel Frank ◎ 825-7790
18 Brady Rita H Mrs ◎ 823-0316
21 Ubiergo Lucy M Mrs ◎ 826-1536
24 Strek Joseph A ◎
30 Gonsiorek Thaddeus J ◎ 823-2742
32 Procakiewicz Joseph J ◎ 823-3053
33 Sorger M Mrs ◎ 823-3745
40 Kern Eug A ◎ 824-2025
41 Robinson Marie E Mrs ◎ 823-6786
43 Kovacs Geo ◎ 825-0583
47 Sibiga Casimer ◎ 824-5838
48 Sierzcki Helen C Mrs ◎ 825-7567
54 Perez Josephine E Mrs ◎
55 Przybylo Chester J ◎ 823-1880
59 Geising Walter J ◎ 822-6601
60 Parzych Bronislaw Jr ◎ 822-4125
★Nowak Richd
66 Fanning Helen C Mrs ◎ 825-6905
Fanning James M
67 Dziak Frank M ◎ 822-5463
74 Ciacak Sebastian ◎ 824-1031
77 Morrocco John ◎
78 Dziak Joseph J ◎ 825-7298
81 Brostko Robt E ◎ 826-5620
86 Nowak Stanley J ◎ 825-5096
92 Nowak Henry J ◎ 825-4811
93 Schwed Frank S ◎ 826-5423
95 Katra Wm T ◎ 822-0200
KATHERINE PL INTERSECTS

91

HAMILTON ST —FROM NIAGARA RIVER EAST TO 302 TONAWANDA

ZIP CODE 14207
ft US Army Corps Of Engs Bldg No 7 (Side Ent)
DANN ENDS
NIAGARA INTERSECTS
33 Wojcik John J ◎ 873-2104
41★Vogel Phyllis M 877-5764
No Return
43 Stickl's Bakery 873-9660
Stickl Peter ◎ 873-9660
DEARBORN INTERSECTS
61 Mock Kenneth D 874-1820
62★Zambrowski Danl W ◎ 877-6069
67 Mock Ronald E 873-6118
68★Ulanowski Irene Mrs
Zorich Mary ◎
69★Laskay Charles 877-2306
EAST INTERSECTS
86★Nugent Richd
Fisher Floyd T
REAR Hurlburt Floyd 876-0453
87 Barton Edw S ◎ 876-1981
REAR Barton Edw G
89★Sodano Mary T
★Broome L
REAR★Struchan Wm S
90 Rinus Donald P ◎ 873-9461
REAR Howard Bert S II ◎ 875-2980
92 Bogdan Paul R 876-0212
Kocsis Louis 873-4587
93 Vacant
96 Vacant
HOFFMAN PL BEGINS
ST FRANCIS PL ENDS
100 Herniman Elsie Mrs
Richard Lloyd R ◎
101★Ortwein Diane
Bernhardt Doris L Mrs 876-1497
No Return
105★Hewitt Wm J ◎
Dean Valerie
★Betzler Eliz J Mrs 873-2696
107 Crawford Ronald J 877-7440
108 No Return
110 Sundy Maude Mrs ◎ 875-6234
Lineback Margt E Mrs 877-5689
111 Ailinger Richd ◎
113 Farkas Richd M ◎ 875-3460
114★Fitzpatrick Sharon 977-9124
Morehouse Lawrence K 875-2888
★Rakczyins Ray 877-8362
114½ Outfitters Home Improvement Inc contrs 873-8037
116 Kelly Wm 875-2598
Martin V
Lee Wm J 876-8227
Hachere Michl W 875-6756
Moessinger Cynthia 873-6832
★Waterhouse Robt P 876-9041
★Barker Ruth
THOMPSON INTERSECTS
132 Bridget's & Rita's Cleaning Services hse ins 873-4040
Crockett Marguerite J Mrs 873-4040
136 Vitaris Sherry
★Solomon Jacob
★Puslutka T
★Cognata Edna
★Finnegan D
★Bucholtz Edward
142 No Return
144 Sondel Dan A 877-2193
Vacant
GORTON INTERSECTS
152★Geryal Peter Jr ◎ 877-5453
158 Freight Sales Management Co Inc 875-3973
Hermann John ◎ 875-4839
TONAWANDA INTERSECTS

156

HAMLIN RD —FROM 108 LONSDALE RD EAST

ZIP CODE 14208
2 Porter Edw C ◎ 882-2816
Vacant
5 Boyd Andrew O ◎ 881-0706
6 Walker Curtis T Rev 881-1589
9 Oliver Harges ◎ 885-4170
10★Wright Doris ◎ 883-6314
11 Olden Frank ◎ 885-0699
14 Vacant
Vacant
17 Robinson Levorn ◎ 883-6530
18 Spates Margt ◎ 886-6144
19 Williams Hubert H ◎ 886-1132
20★Mc Clellan Lorraine
24 Perry Viola M Mrs ◎ 885-9224
25 No Return
27 Robinson Robt L ◎ 883-9927
28 Porter Jimmie Jr ◎ 883-7732
31 Chapman Evridge B ◎ 881-5489
32 Harrison James
35 Washington John C ◎ 886-6749
36 Goodwin John T ◎ 881-5077
37 Lyons Norman B ◎ 884-9450
38 Duke Domnierel B Mrs ◎ 883-6722
41 Dixon Joseph R ◎
42★Price Jas ◎
45 Gross Sadie C Mrs ◎ 885-2588
46 Hilliard Donald L ◎ 884-7768
49 Vacant
50 Lomax Oliver A ◎ 882-4032
53 Mack Alfonse ◎
54 Vacant
55 Johnson Curtis ◎ 882-6850
56 Pinkard Mary ◎ 881-3828
59 Davis Willie F ◎
60 Jackson Curtis ◎
64 Montague Marjorie Mrs ◎ 883-2726
65 Fossett Ernst ◎ 881-3351
67 Allen Nervan H Mrs ◎ 884-5570
68 Sams Clarkson M ◎ 883-5087
70 Greene Thelma L Mrs ◎ 885-9346
71 Wyatt Maynard N ◎ 882-6446
73 Cole Brenda E ◎
74 Gill Fredk ◎ 882-8478
77 Pridgen Barbara J ◎ 884-1665
78 Fogan Bee A ◎ 882-5579
81 Peterson King W ◎ 882-5992
82 Disney Clarence E ◎ 884-1130
85 Hall Frances K Mrs ◎ 883-8540
86 Greene Irving J ◎ 883-7726
89 Olive John ◎ 886-0388
90 Leftwich Homer C Jr ◎ 882-5473
93 Hollins Wm B ◎ 882-0145
94 Dabney Oliver J ◎ 886-7847
97 Threet Alonzo
98 Breckenridge Stanley ◎
101 Johnson Horace C ◎ 885-8814
102 Blassingame Gladys Mrs ◎ 883-7345
104 No Return
Atkins Harold S ◎
105 Smith Ralph ◎ 881-2416

FLAMINGO HEAKIM
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1187 Kenmore
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YOUR DIRECT LINE TO NEWS WANT ADS Tel. 856-5555

GUILFORD ST—Contd 172
Buffalo Youth & Young Adult Chorus Society 897-1441
289 Booker Betty J Mrs
Walker Jeanette
291 Vacant

126
GENESEE ST INTERSECTS
322★Jenkins Alice E
324 Vacant
328 Smith Doreen
Tourrentine Maxine R
332 Smith Laura L
Smith Brenda L
333 St Mary Of Sorrows R C Church Rectory 892-4115
Sullivan Jerome W Rev 892-4115
334 Koller Mary M Mrs ◎ 895-6400
338 Avriett Yvonne Mrs ◎ 896-4189
342 Brown Dolores Z Mrs ◎ 897-1794
Anderson Anna Mae
346 Wright Frances M Mrs ◎ 891-5320
Robinson James
350 Sanford
352 Thomas Betty ◎
Frazier Patty L 895-1933
354 Slaughter Emeal ◎ 896-2260
355 Wilson Willie L 891-5342
357★Jones Barbara
★Lawrence Jacqueline
358 Pryor Martha J 891-4859
360 Merritt Aviva ◎ 892-2143
361 Coleman Mary
Coleman M Saml Jr 892-1068
364★Johnson Clifford
366 Davis Darlene ◎
Vernon Maeoma
367 Griffin Hattie T Mrs ◎
370 Green Fannie 896-7665
371 Winn Mamie ◎ 892-5482
Armstead M
375 Kirkwood Arth D ◎ 891-4251
★Jones Danita K
377 Wallace Viola Mrs 897-4057
Chisolm Janie Mrs ◎ 891-4895
381 Ross Denise
382 Sommerville John ◎ 891-9619
383★Miller Bonnie L
★Johnson Latoya
384 Robinson Fredk ◎
389 Vacant
390★Miles Nathl
★Roberts Susan ◎ 894-5008
393 Morrell Jacqueline M
Carter Carlton 892-9012
396★Edmond Barbara
Green Dolores ◎
397 Booze Bodie ◎ 897-4827
★Booze Yolanda
398 Goldschmidt Edw J ◎ 892-8230
399 Smierciak Geo J ◎ 893-7066
400★Earl A ◎ 892-4221
401 Vacant
402 Bukolt Emily Mrs ◎ 892-4504
403★Hamilton Glenda
Samuels Carl ◎
404★Leonard Maxwell J ◎
★Scott Barbara L 892-0962
BEST ST INTERSECTS

53
GULL ST —FROM DEAD END EAST TO 1135 NIAGARA

ZIP CODE 14213
CONRAIL OVERPASS
36 Vacant
HAGGART AL BEGINS
NIAGARA ST INTERSECTS

119
GUNNELL AV —FROM 531 ST LAWRENCE AV NORTH TO 852 KENMORE AV

ZIP CODE 14216
6 Speidel Geo A ◎ 875-2323
14 Strauss Marion ◎ 877-1806
15 Slaby Gloria M Mrs 877-6781
18 Freedman Henry ◎ 873-7910
19 Jones Helen J Mrs ◎ 875-1874
22 Pellien Franklin S ◎ 873-5264
26 D'Auria Salvatore M ◎ 876-3724
27 Cornell Emanuel M ◎
30 Kapodistria Thos ◎ 875-2538
31 Bochner Jacob ◎ 877-7050
34 Brune Frank ◎ 875-2525
35 Derme Joseph A ◎
39 Sorgi Saml P ◎
44 Robinson Helen T Mrs ◎ 875-3942
45★Cook Carol ◎
48 June Phillip T ◎ 873-5793
49 Gibson Edwin H ◎ 877-5174
53 Messinger Paula Mrs ◎
54 Mucha John J ◎ 873-1360
57 Hirsch Charles H ◎
58 Myer Caroline Mrs ◎ 877-7482
61 Mc Mahon Emilia F Mrs ◎ 875-1464
64 Valvo Russell P ◎ 877-8617
67 Howell Vera E Mrs ◎ 873-7909
68 Hipkins Alf ◎ 876-6818
71 Aguglia Dannie N ◎ 874-6226
74 Donofrio Thos G ◎ 873-7627
KENMORE AV INTERSECTS

HAGEN ST —FROM 2018 GENESEE NORTH

ZIP CODE 14211
16 Glinski Lottie G Mrs ◎ 892-3194
Owczarzak Jean 895-0930
19 Schuler Ann R Mrs ◎ 895-2733
20 Kaczmarek Raymond ◎ 896-7513
23★Watkins Jas R ◎
24 Stadler Mark N ◎ 894-3487
27 Braem John ◎ 895-2603
28 Niewiemski Anthony W ◎ 892-3793
29 Karney Raymond J ◎ 894-4218
32★Klaskala Michl
Santa Lucia Jerry A
34 Graser Brian 894-4663
Fichtl Caroline A Mrs ◎ 892-1329
35 Schwarzkopf Ruth M 894-3389
Zarzeka Serweta K ◎
38 Scalisi David M ◎ 896-4163
41 Litwin Brian ◎ 897-0607
42 Brazer John ◎
Taylor John O 892-6192
47 Egan Jane C Mrs ◎ 892-1072
48 Furlett E 896-1800
Cordaro Step
49 Kruszynski Mary E Mrs ◎ 891-5115
Szeliga Leonard J 895-0736
50 Smoliuski Richd ◎ 891-8154
51 Kujawa Edmund P ◎ 895-3502
52 La Vigne Richd P ◎ 896-0509
55 Bitterman Angeline Mrs 893-9651
Knerr Helen M Mrs ◎ 894-7271
56 Krempa Roger E ◎
Cantie Earl
59 Koteras Robt V Jr 895-7634
★Brucoto Edw 896-5907
60 Sabatino Lorraine Mrs ◎ 894-0956
63 Dondajewski Sophie J Mrs ◎ 896-1762
64 Amborski Angeline T Mrs ◎ 894-7497
67★Smith Ingaborg E Mrs
Sandecki Thos 895-2728
68 Smith Dennis ◎ 897-0045
O'Neil Floyd H 894-3572
KERNS INTERSECTS

118
77 Gonzales Dalberto
78 Wallace Florence M Mrs ◎ 892-2014
81 No Return
Noll Paul T 894-0329
82 Szymanski Anna Mrs ◎
83 Curtains Richd R ◎ 893-4264
84 Sweeney Brian W ◎ 894-6083
87 Walkowski Norbert P ◎ 892-0752
88 Ziolkowski Wm ◎ 894-1993
91 Young James H ◎ 897-0805
92 Burzynski John G ◎ 895-3217
95 Bojarski Theodore L ◎
96★Stansbury Sharon Mrs 896-0021
Hornung Albert A ◎ 896-1160
99★Augurtine Bruce ◎
100 Lewandowski Raymond F ◎ 895-2191
103 Lysiak Mary M Mrs ◎ 894-9393
104 Spranger John E ◎ 892-2028
Vacant
107 Lederer Robt W ◎ 892-5987
108 Przybyl Raymond ◎ 893-6206
Grove Florence M Mrs 895-8487
111★Roehner Robt J ◎ 897-2751
112 Ogden Dennis E ◎
115 Wilhelm Joseph ◎ 896-7416
116 Badding Madelyn Mrs ◎ 892-5612
119 Josefiak Helen Mrs
120 Bauman Harry F Jr ◎
Klavoon Emma A Mrs
121★Kasprzyk Martin G ◎ 897-3637
122 Dicaprio Philip ◎
125 Vacant
126 Kowalewski Robt
129 Pfeil Peter P ◎ 893-5264
130 Koester Karoline K Mrs ◎
133 Meyers Mildred A ◎ 892-9484
134 Rellinger Kathleen Mrs
★Wichlacz Wanda Mrs ◎ 892-6177
137 Lorkowski Michl L ◎ 894-8313
138 Spyra Dennis ◎ 896-0802
Wojdan Chester R 894-8487
141 Hoffman Claude P ◎ 897-2565
142 Moran John ◎
Boyack Philip 893-8594
145 Fessler Robt Jr ◎ 895-6010
★Franz Kenneth
146 Grzbinski Deborah 897-3057
Zink Duane J ◎ 895-1260
ZIP CODE 14215
LANG ST INTERSECTS
153 Ruppert Charles J ◎ 894-1104
★Herbstritt David L 894-6585
154 Gasko Mildred G Mrs delicatessen ◎ 893-9546
Vacant
157 Neth Elma F Mrs ◎ 895-5572
Schlifke Helen 895-8351
158 Minger Jacob ◎ 892-9425
159 Romano Anthony J ◎ 894-8907
Lo Tempio Paul
160 Tierney Viola M Mrs 894-8391
★Leggi Richd 894-8118
161 Bognar Jos J ◎
163★Roland David J 896-3260
Duringer Margt L ◎ 895-7415
164 Maracle Wayne ◎
Sopiciki April
165 Hale Alf E ◎ 895-5569
★Fumanti Lawr P
166 Kasprzak John J ◎ 896-4220
170 Piatkowski Frank J ◎ 892-9593
Fetzner Vera 893-3678
171 Rogers Elma V Mrs ◎ 896-0027
Fruth Lillian M Mrs 895-2437
172 Diliberto Dennis J ◎ 895-4119
175 Olen Chester R 893-1028
176★Zak Robt ◎ 895-9463
177 Duguette Carole Mrs ◎ 892-3800
178 Koscielny Raymond E ◎ 896-3755
179 Keller Eliz M Mrs ◎ 892-6159
Fox Geraldine P Mrs 893-6807
181 Mayer Isabella I ◎ 895-7498
182 Bilger Raymond A ◎ 893-1092
184 Bilger Joseph ◎
188 Miranda Dominic ◎ 896-8618
189 Ponczkowski Frank A Jr ◎ 895-2088
190 Luedke Muriel E Mrs ◎ 894-2502
193 Brozyna Robt ◎ 894-7554
194 Stevens
Cobbs
195 Corkins Wilbert L ◎
196 Georgette Justin J ◎ 895-5109
Schiffhauer Roman G 894-3596
200★Williams Douglas
201 Heymanowski Robt R ◎ 895-2082
202 Hohle Randolph ◎ 891-4911
205 Vacant
206 Wetzel Emma D Mrs ◎ 891-4921
207 Bart Walter J ◎ 892-5940
208 Hoffman Neil ◎ 893-3867
211 Smirnow Victor ◎ 897-5054
212 Brych Celia T Mrs ◎
213 Davis Walter L ◎
Stokes Virginia
214 No Return
216 Christiano Philomena A Mrs ◎ 897-1172
217 Victor Roy S ◎ 897-3877
219★Westfall Chas G 895-5387
220 Zwerver Celia Mrs 892-2137
Smigiera Harry F ◎ 893-8523
222 Prystawski Eug ◎ 895-1479
223 Depczynski Stanley H ◎ 896-8675
225 Sturm Dorothy H Mrs ◎ 896-6037
226 Thome Bernard J ◎ 896-8350
229 Howard Ernest P ◎ 896-4973
230 Valentine Eleanora M ◎ 895-9208
Donohue Gertrude Mrs 893-6057
232 Kirchinger Toni 891-5559
233 Heine Joseph Jr ◎ 894-0266
235 Schoenwetter Clarence W ◎ 894-0637
236★Pacheco Aristedes C ◎
★Mc Donald Joyce D 893-2851
237 Coric Russell ◎ 894-4135
240 Mc Millian Ross ◎
241 Happ Mildred C Mrs ◎ 896-7794
242 Haddad Samir S ◎ 894-4652
243 Henderson Geo H ◎ 895-3280
244 Mackert Emma S Mrs ◎ 896-7968
Fasnella Francis A ◎
247 Fechter Peter F ◎ 893-4192
248 Swiatkowski Edmund P ◎ 897-0595
Hodges Arlene Mrs 893-4028
253 Heine Kseszentia Mrs ◎ 896-2895
Schieble Dianna P Mrs 893-1353
254 Meinzinger Joseph J ◎ 895-5083
255★Maron Norman ◎ 896-8057
256 Collier Anthony S Jr ◎ 893-5658
259 Ledwin Henry T ◎ 895-3228
260 Kane Stella E Mrs ◎ 894-5081
261 Zangara Robt J ◎ 893-1871
262 Herb Edw B ◎ 896-8374
265★Thines David 896-2196
Fetzer Gwenneth Mrs 892-0782
266 Wackenheim Mary Mrs ◎ 893-6946
226 Biggers Karen
E DELAVAN AV INTERSECTS

156
HAGER ST —FROM 315 NORTHLAND AV NORTH

ZIP CODE 14208
3 No Return
15 Bryant Spencer S ◎ 883-6392
17 Truesdale Hayward ◎ 882-0769
20 Gibson Ernestine Mrs ◎ 883-8322
Jackson Jacqueline 886-1617
23 Anderson Robt
24 Caver Melvin L ◎ 883-2953
FLORIDA INTERSECTS
39★Johnson Mc Clene 886-8193
41 Epps James C ◎ 883-4474
43 Bailey Ralph R ◎ 881-1048
47 Bryant Lieutenant Jr ◎
49 Tobias Grace L Mrs ◎ 883-4155
53 Young Sealer 883-3627
55 Guy Elbert Jr ◎ 884-0312
64 Niagara Lutheran Home nursing home 886-4377
Broecker Donaldl 886-4377
67 Martin John F ◎ 883-3577
71 Miller Mervine B Mrs ◎
Miller Lonnie
73 Richardson Alfred ◎
77 Bell Hiawatha ◎ 882-3037
Shaopshire Preston L
79 No Return
81 Mack Leola
E DELAVAN AV INTERSECTS

36
HAGERMAN ST —FROM 683 SWAN ST NORTH TO SEYMOUR

ZIP CODE 14210
SEYMOUR ST INTERSECTS

53
HAGGART AL —FROM 36 GULL NORTH

ZIP CODE 14213
W FERRY ST INTERSECTS

160
HALBERT ST —FROM DEAD END NORTH TO RODNEY AV

ZIP CODE 14214
9 Holloway Patricia ◎
17 Bogacki Leonard 837-9090
19 Turner Lawrence C
★Hueitt M
23 Allen Margt A 837-2618
Allen Naomi P
DEWEY AV INTERSECTS
53 Wells Cleomonius
54 Jackson Dorise G 834-7362
Williams Stephanie
55 Rhodes Leonard ◎
56 Williams Rose M Mrs ◎
59 Ford Cleveland ◎ 835-2761
63 Davis Larry C ◎ 836-0637
★Brennan D
64 Dickson Diane B
Silmons James ◎
67 Neely Larry D
REAR Hand Jon S 835-4546
68 Collier Ulyess ◎ 835-8293
71 Hayden Kathleen M ◎ 834-2503
72★Drayton Mildred
75 Skinner Alberta Mrs ◎ 837-6840
76 Mann Kenneth J ◎ 832-0916
77 Williams Pearlie ◎ 837-7181
Davis Janet M 834-0324
78 Marshall Bobbie
81 Hoehl Robt J ◎ 837-0136
LEROY AV INTERSECTS

160-A
BREWSTER BEGINS
119 Elmer Lux Hostel 834-5726
JEWETT AV INTERSECTS
171 Vacant
PHELPS BEGINS
178 Trico Products (Whse Only)
179 Trico Products (Whse)
RODNEY AV INTERSECTS

97
HALLAM RD —FROM 161 MIDDLESEX RD NORTH

ZIP CODE 14216
24 Donaldson Danl R ◎
25 Ramsey Robt ◎ 875-0267
30 Procter A Neville ◎ 876-4609
35 No Return
38 Biltekoff James R ◎ 874-6520
39 Banta Charles U ◎ 876-4735
44 Di Laura Arnold E ◎ 875-6289
47 Jerauld Anthony B ◎
55 Sheets Henry B Jr ◎ 877-4184
56 Hutchens Richd A ◎
58 Goldstein David J ◎ 876-2090
62 Lazar Louis L ◎ 875-6671
63 Barlow Joseph J ◎ 875-5955
69 Griggs Alex M ◎
72 Fruchtbaum Jacob ◎ 876-6960
73 Levitt Clarence E ◎ 873-7068
78 Block Lester H ◎ 876-7295
81 No Return
84 Lehotay
87 Ehrenreich Raymond ◎ 875-4215
90 Greenberger Geo M ◎ 876-5607
95 Williams Reginald V Jr ◎ 873-9797
98 Brock Walter ◎ 875-1599
101 Meyers Raymond R ◎ 876-1395
102 Gigante Joseph A ◎ 834-3647
BEDFORD AV INTERSECTS

2
HAMBURG ST —FROM 148 SOUTH ST NORTH TO 533 SWAN

ZIP CODE 14204
16 Foster Louis ◎ 856-2190
Vacant
22 Carney Phyllis M Mrs ◎
24 Black Alex A ◎
30 Dewey Susie Mrs ◎
32 Regelin Marie M 854-2736
Hidy Mary
34★Dewar Suzie
★Boldon Lynn
43 Diederich Trucking 842-0362
44★O'Sullivan Charles
50 Blatt Deborah
CONRAIL CROSSES
REPUBLIC ENDS
73 Mc Carthy's Tavern 855-8948
74 Kubik Josephine M ◎ 854-1779
76 Vacant
79 Lapress Levernn 856-9174
★Perez Abr

1461 MAIN STREET (14209) (BETWEEN FERRY & UTICA)
FOREIGN CAR SPECIALISTS — COMPLETE SERVICE FOR MOST MAKES OF CARS
PEUGEOT SALES AND SERVICE — DIESEL & GASOLINE — LEASING SERVICE
TEL. 884-8582

LARKIN ST 1985

LANGFIELD DR—Contd
438 Dunn Mary 895-8138
440★Perkins David
442 Stevens Johnnie
BEITER WALK BEGINS
456 Young Jerome W 894-4803
458 No Return
460 Weber Mildred M
462 Parker Willie
464★Battle Anne 894-9108
466 Naber Gertrude A Mrs
EGGERT RD INTERSECTS

180

LANGMEYER AV —FROM 72 OLYMPIC AV EAST TO 2564 BAILEY AV

ZIP CODE 14215
2 Esch Alice M Mrs ◎
4 Plunkett John ◎
6 Esch Russell S ◎ 894-8836
7 S & L Deli
Martin Lisa 895-8285
10 Bolden Terese
11 Vacant
12 Imiola Leonard M ◎ 894-8279
15★Carpenter Bertha M 893-1130
16 Matthews Lillian Mrs ◎ 895-6765
19 Evans Jerry ◎
★Evans Eliza 897-1928
20★Carrigan Lawrence ◎
Carrigan Milton T
21 Gress Robt W ◎ 896-7896
22 Appleton Annette ◎
Pratcher Mary ◎
23★Allen Betty
24 Stallworth Elmo A 893-1052
Bussy Henry
25 Butz Bertha S Mrs ◎ 893-5374
26 No Return
27★Dixon Wm ◎
28 Deinhart John G ◎ 894-5374
29★Smith Margt A
33★Quinoes Helen ◎
34 Grocke Leonard C ◎
35 Gruber Beatrice E Mrs ◎ 893-9205
36★Gerald J
Beres Victoria
37★Nichols Robt L ◎ 895-5616
38 Vacant
40 Acevedo Romon ◎
★Coward Annie 893-0023
43 Styn Raymond ◎ 892-7678
Halt Carlton W
45 Marchiano Sam ◎
46 Brown Juanita V Mrs 893-4127
Ballard Westly author ◎
47 Mc Carey John
Pringle Richd ◎
50 Reinard Henry C ◎
51 Bratton Yvonne
Bush Joseph
52 Baynes Eliza 893-7592
★Krahel Donna M ◎ 894-7510
53★Webster Frank ◎
★Edwards Janice C 893-1627
54★Benning Oscar ◎ 895-1639
57★Hollins Maurice ◎
58 Gaddis Billie J ◎
59★Ashley Jonathan W 892-6543
Hunter Dawn
60 Smith
61 Hall
62 Halor Larry 896-5728
64★Carine David J 897-1046
Tucker Diane Mrs
65 Vacant
67 Ott Jerome V ◎ 894-7300
68 De Silva Jesse Mrs 894-0177
Giles Teresa J
69 Vacant
73 Quicksey Leola Mrs ◎
Campbell Correan Mrs ◎
74 Edwards Louis ◎
★Hamilton R
75 Mecca Danl J ◎
76 Alexander Willie ◎
Graham Morris
80 Mordino Joseph G ◎ 893-4157
Mordino Mark C 893-4157
81 Gomlak Irene B Mrs ◎ 894-3247
BAILEY AV INTERSECTS

108-A

LANSDALE PL —FROM 451 KOONS AV EAST

ZIP CODE 14211
11 Bailey Carol A 892-4945
No Return
13 Champion Shirley A ◎ 897-2746
Bailey Harriett E 892-4248
RUSTIC PL BEGINS
19 Roberts Lisa A
★Coleman Lonnie
★Kooner Ronald
23★Jackson Thos 892-1835
★Beard John
25 Nelson Alex 893-0131
Davis Lannie
★Garrett Carolyn A
Retd Carter Mable J Mrs 895-1392
27★Pearson Cheryl ◎
29★Manns Janette R
★Singltary Nathan
35 Giles J
Vacant
39 Gordon Beulah Mrs ◎
41 Best Mattie M Mrs ◎
43★Robinson Daisy
★Hutchins Yvonne

95-A

LANSING ST —FROM 22 JOSLYN PL EAST TO MILITARY RD

ZIP CODE 14207
11★Pacheco Jeffrey
★Frost Dorothy M
15 Domagala Sandra 813-9517
Sachanowski David ◎
17★Palmer Darrel E 877-5046
19 Ruisi Viola A 873-1730
21 Villa Sharon Mrs
★Hartsell Thos
26a Vacant
26b Metal Preparations Co Inc 874-0786
26c Hector's Wholesale Distributing Co Inc hdw 877-6200
MILITARY RD INTERSECTS

52

LARABEE ST —FROM 40 HOPKINS EAST TO DEAD END

ZIP CODE 14220
9 Vacant
12 Evans Raymond ◎
16 Koch Adolph F ◎ 824-1606

127-A

LARCHMONT RD —FROM 35 UNIVERSITY AV NORTH

ZIP CODE 14214
7 Lucitt Danl J ◎
9 Danner Mary F ◎ 834-5269
11 Cataldo Jerry F ◎ 835-5299
15 No Return
21 Mc Groder Patk J Jr ◎ 833-2177
22 Brooks Christine H Mrs ◎ 835-7215
25 Smythe Garry ◎
26 Barry David E ◎ 837-8542
27 No Return
30 Nicholas Walter ◎ 838-3593
35 Bentley Jeanne ◎ 834-0702
36 Salczynski Genowefa Mrs ◎ 836-7917
RADCLIFFE RD BEGINS
39 Muscarella Salvatore ◎ 832-8201
43 Berg Floyd H ◎ 833-3747
45 Skulicz Joyce
49 Koenig Peter W ◎ 837-3068
53 Head Alan S ◎ 832-8852
57 Lamparelli Rocco A ◎
61 Kelly Florence W Mrs ◎ 834-0686
65 Dowd Kenneth C ◎ 836-7700
69 Lockwood Merle E ◎ 833-5612
73 Mihich Enrico ◎ 832-5757
BELLEVUE AV INTERSECTS
81 Young Robt D ◎ 834-8087
82 Forman David G Jr ◎ 836-4695
87★Jankowski Thos 838-3144
90★Klinch Jeffrey
91 Urdong Nicole S
93 Grimm Carl C ◎ 832-1454
94 Rutzen Ernest T ◎ 833-6564
98 Winslow Gary K ◎ 837-3653
99 De Laney Arth W ◎ 835-4849
102 Lamantia Steph R ◎ 836-2382
103 Rekosh David M ◎
104 De George Paul ◎ 836-1367
108 Hays Joseph F Jr ◎ 834-1079
109 Csonka Albert B ◎ 833-3122
112 Daigler Nancy C ◎ 834-3709
115 Kogler Carl J ◎ 833-8873
116 Dubenian Sylvester J ◎ 832-0671
117 Metschl Danl R ◎ 834-4630
121 Marzec Raymond E ◎
KENMORE AV INTERSECTS

1

LA RIVIERE DR —FROM LAKEFRONT BLVD SOUTH ENDING IN A CIR

ZIP CODE 14201
WILKESON WAY ENDS
16 Buffalo Waterfront Associates real est sls ofc 847-1620

120

LARK ST —FROM 28 SIDNEY NORTH

ZIP CODE 14211
14 Henderson Abbie ◎ 895-6133
Frenny Robt L
15 Bolden Glenda 894-5283
Henderson Denise
16 Barker Virginia 895-8533
★Gamble Ann 746-7449
17 Martin Eula M Mrs ◎
★Lewis Wm
19 Robinson Joanne Mrs
20 Vacant
21 Hill Alberia ◎ 894-9489
★Willford Chas
22 Dean John Jr ◎ 892-0675
Durham Jesse Jr 894-6978
25 Vacant
26 Bennett Genella E Mrs ◎ 892-2364
29 Hopson Howard ◎ 892-4570
Boulware Alberta Mrs
30 Vacant
31 Gardner Beverly A Mrs ◎ 895-1319
Kemp Helena E Mrs 896-8252
32 Henderson Ann Mrs ◎ 894-6864
35 Brewer Otto ◎ 892-1431
Drake Thos 894-6002
36 Hinkle Mary L Mrs ◎ 893-6094
Singletary Alward 893-3093
37 Vacant
Brewer Gwen 893-1756
38 Brown Robt L ◎ 892-4365
40 Hord Wm A ◎
41★Truman Leona M
Miles Sandra D 893-5524
43 Kline Ray A 892-5777
★Taylor Alice Mrs
44 Jones Annie Mrs
Cramer Ruth A
47 Gray Leroy ◎
Crowell Corrie M Mrs 894-6439
48 Cooper Emanuel C ◎
Cooper Randy L 895-2791
51 Moore Edith M Mrs ◎ 891-8916
★Reeves Tonya
52 Gist Joseph N ◎ 896-3614
Johnson Norma E 895-0087
53 Tarabula Julia T Mrs ◎ 892-7006
55 Swartz Eliz C Mrs ◎ 894-3473
56 Foreman Johnnie M Ms
Waker Rachel E Mrs ◎
58★Lynch Chas
Booker Alex B 892-0577
62 Green D 896-0148
Hokes Anna Mrs 892-9525
74 Scott Roosevelt ◎
75 Wiggins Mary A Mrs 891-4618
76★Hilbert Virginia S 891-9540
77 Thomas Dorothy L Mrs 895-8093
78★Inadinett Dorothy ◎
81 Vacant
82 Denler Sheet Metal Inc 893-6706
84★Land Vickie L Mrs
★Terry Theodore
85 Lee Frankie Mrs ◎
Brown Eddie 891-4728
NORTHLAND AV INTERSECTS

36

LARKIN ST —FROM ½ BLK SOUTH OF ROSEVILLE NORTH TO SENECA 1 WEST OF VAN RENSSELAER

ZIP CODE 14210
189★Hackett Gaylord D 824-0323
Misechok Steph 852-8088
197★Klimko Edw J 856-5537
205 Keller
207 Keller Debra
209 Scott Susan
211 Cochran Arth E 856-7910
Horn Richd Jr ◎ 852-6090
ROSEVILLE BEGINS
241 Harbison Walker Sales Co (Warehouse)
CONRAIL CROSSES
EXCHANGE INTERSECTS
290 Sam-Son Distribution Center Inc public whse & distr 853-3500
293 Vacant
309 Vienco Beauty Imports retail beauty supplies 856-5446
312 Vacant
315 Vacant
SENECA INTERSECTS

31

LASALLE AV —FROM 2978 MAIN EAST

ZIP CODE 14214
15★Nihn Simon
25 Bostaph Ricky D 835-5801
Brockway Richd M 833-6116
29★Arafeh Ruaain
★El Massih Fadi
33★Costello Steven
36 Earl's Recovering Service uphol 834-6884
Anton Earl A ◎ 834-6884
37 Quality Upholstering 837-0446
Bostaph James ◎ 837-6793
39 Vacant
40★Klein John A
★Braccia John
★Lazarz Bob
45 Bull Brenna 832-3164
★Mwiraria Rosie
48★Lim Carolyn
Shaw Thos G ◎ 835-1037
49 Tru-Mold Shoes Inc shoe mfg 837-6663
52★Stewart Alton L ◎
56 Owens Patricia Mrs ◎
60 Santiago Hector R ◎ 838-2418
73 Neville Lumber Co Inc industrial pallets & skidders 834-3038
74 Schlaraffia Bisonia Inc club 837-3071
75 Neville Gregg Lbr (Addn Space)
78 Fillinger Joseph M ◎ 836-3187
Gearin Wm J 833-2953
80 Littler Wm ◎ 834-4582
REAR★Dady Allyn 837-8010
83 Waldheim Iron Works Inc 833-6520
89 W U F O Radio 834-1080
92 Ross Clarence
Lanier Gene-Etta Mrs 834-6587
Fuss Edith H 833-9765
De Foe Norman K 837-7825
★Eagan Danl J 838-1042
98 Zimmett Geo P ◎ 833-0653
Zimmett P Gary
100 Di Franchesco Deigo ◎ 838-5638
Muscarella John
101 Cablescope Inc cable tv 837-2093
106 Healy Robt W ◎ 838-6239
110★Tay Jas
114★Scheidler David
★Demoska Th
Shaffer Kenneth C 836-5692
Vacant
115 Cablescope Inc (Addl Sp)
CAMELOT CT BEGINS
CORDOVA AV BEGINS
126★Nixon K
★Cicatello M
★Grant T
127 Korzelius Ruth E Mrs ◎ 835-5481
128★Mc Ilwain Eric W
★Behn L 835-1738
130 Martin James A ◎ 835-6268
131 Hildebrandt Kath A ◎ 838-4937
Vacant
134 Ballard Neal A ◎ 837-9148
135 Coon Esther C Mrs ◎ 835-4963
137 Wagner Russell G ◎ 834-0842
Flemming Edwin G 837-7907
140 Ware Eddie Rev ◎ 834-7875
141 Barge Billy H ◎ 837-2673
142 Garvin Lynette Mrs ◎ 835-2780
148★Stockman Amy J 838-6370
★Hamm Beverly
152 Di Nardo Mary S Mrs ◎ 834-2709
153 Studt Res
154 Vacant
Kubek Barbara M ◎ 836-1075
155★Howe T A
★Goons David
157 Frost Harlan M Rev ◎ 833-7653
158 Denney Louanne M 837-2723
Hawes Herbert C ◎ 833-9938
162★Sutherland Jeffrey ◎
Studt Res
163 Hughes Kenneth W ◎ 833-1171
166 Mc Fayden Keith A ◎ 836-6957
167 Draper Geo E ◎ 833-8173
169★Loewenstein Stewart
Abeling James H ◎ 832-8289
★Malmquist Eliz
RANGE AV ENDS
172 Smits Cornelius G ◎ 834-9546
★Schottke Josephine Mrs
176 Moleski Donald J ◎ 832-8099
Moleski Lynn M
177 Barlog Paul R ◎ 837-7492
Vacant
180 Stevenson Allen E ◎ 832-1020
181 Hornung David A ◎ 837-1028
185 Moser Joseph D ◎ 835-7180
Wesner Barbara A 837-3114
186 Lucci Rocco A ◎ 832-1473
188★Mc Williams Carla ◎
189 Evans Anna E Mrs ◎ 835-1687
192 Evans Jessie L ◎ 836-2067
193 Rote David M 838-4936
Ulrich Alice E Mrs ◎ 833-8896
196★Torres Danilo
★Dixon Yvonne
197 Trexler Helen B Mrs ◎ 832-1042
★Tryon Joan
200★Mc Intyre C
Chierma Mary H ◎ 832-8035
201 Favre Jean W Mrs ◎ 834-1315
204 Reger John J ◎ 832-5164
Spinuzza Russell A ◎ 834-1216
205 Seitz Homer R ◎ 832-7449
208★Mc Griff Chas E ◎ 832-5396
209 Gayles Geo H ◎ 834-9579
211 Howard Theron
★Green
212 Beebe Lorne ◎ 837-7930
Donovan Kevin L 832-7985
216 Santella James W ◎ 837-5528
217 Basel Patricia
Todtenhagen David R ◎ 836-5661
220 Snyder Christine Mrs ◎
★Mac Sheain Laurence 832-1764
221 Lyba Peter ◎ 835-1092
224 Carland James ◎ 838-1650
Carland Deborah
225 Thomann Edwin F ◎ 834-2821
229 Jones Geo A 838-4622
230 Conners Francis P ◎ 838-6017

31-A

PARKRIDGE AV INTERSECTS
ZIP CODE 14215
240 Roe Chas A ◎ 836-1844
Stelley James 833-1799
241★Abaukhaled Wakim 836-7726
★Wabbesser Theresa
245 Fuller Norman ◎ 836-5748
246 Orlando Mary E
★Orlando Robt A
249 Sinicki Sharon A 834-1699
Smith James R 836-5446
250 Tropp Bruce A 832-2036
253 Klein Morton P
Klein Deborah
254 Schulenberg Gary M ◎ 836-4288
★Kelly Chris
257 Gillman Ann Mrs ◎ 832-3226
Vacant
258 Herman Robt J ◎ 833-1886
★Jaen Carlos R 836-6871
260★Pelton Kelly
★Makowski Lisa ◎
★Haberer Steven
★Wood Peter
263 No Return
Vacant
264 Studt Res
265★Nacher Victor
Bollinger Edith E Mrs ◎
266 Vacant
Emert Jeanette Mrs ◎ 836-1148
269 Verrastro Leonard ◎ 837-3716
Dibold Susan
272 Kearns Vernon L ◎ 834-1560
★Fortkort Arthur L 832-7144
273 Schreier Louise Mrs ◎ 832-4816
Luitink Vivian L Mrs 833-2034
276★Shuster Ronald
277 Smigiel Donald S
Farron Gorden E ◎ 832-2250
★Symonds Theresa
280★Jackson Bobbie E ◎ 838-6480
281 Schultz Raymond T ◎ 836-1423
285 Paulson Rick R ◎ 833-1904
286 Luksch Kath 836-3343
Di Orio J M 837-4054
290 Figliola Frank A ◎ 837-0189
Vacant

S get Complete Information on E a person or firm.

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125

ESSER AV—Contd
381 Rusinek John P ◎
382 Gillies Wm B ◎ 873-3598
385 Hainer Robt W ◎ 876-4789
386 Medakovich Stephen ◎
388 Kaczmarek Cath Mrs ◎ 873-4963
393 Happel Richd A ◎ 875-8336
Bateman
SKILLEN ST INTERSECTS

10
ESSEX LA —FROM 350 CLINTON NORTH

ZIP CODE 14204
1 Saunders Christene 854-6139
2 Coleman Francis N 854-8527
3 Garner Verlie Mrs 854-1924
4★Watts Doris
5 Price Kenneth P 854-8649
6 Thompson David F 855-3872
7 Nicholson Leron 852-4121
8 Williams Saml S
9 Humphrey John
10 Mathis Lois A Mrs 856-4463
11 Tatum Dora 842-0541
12 Brown Saml H 856-2766
13 Hamilton Wm
14 Hall Sherry 856-2832
15 Jordon Essie
16★Cottrell Danl 856-4280
17 Austin Harvey
18 Dreakfort Isaac 856-0060
19 Hogan Gloria 856-9609
20 Wharton Fannie L Mrs 852-3405

49
ESSEX ST —FROM 530 RHODE ISLAND NORTHWEST

ZIP CODE 14213
6 Vacant
Vacant
Vacant
10 Vacant
18 Hatchett Duayne Studio sculptors 881-0820
30 Ashford Hollow Foundation Visual Performing Arts 886-3616
C E P A Studio photog 883-0582
Hallwalls Gallery Inc 886-7592
★Maggiotto John
Artista Committee Of W N Y
31 Hulse Wilford O ◎ 885-6966
33 Malkiewicz Thaddeus F ◎ 885-4443
35 Ferrara Joseph L ◎ 886-1499
37 Vacant
Vacant
38 Sturniolo Anthony ◎ 885-8321
Rear Vacant
39 Fasser John F ◎ 881-2070
41 Scime Michl ◎
42 Gatti Frank A ◎ 885-1843
Walker Carol
43 Tomaselli Frank J ◎ 886-0530
44 D'Amico Joseph S 882-9186
45 Pallas Thos 883-0003
Lucas Mary Mrs 883-0239
45½ Studt Res
Strohm Lillian M 883-8937
46 Sturniolo Josephine J Mrs ◎ 883-3278
Vacant
46½★Stalka Clay W
48 Grann Darlene J Mrs
49 Vacant
Bressi Jessey
No Return
49½ Vacant
Vacant
51★Lynch James
MASSACHUSETTS AV INTERSECTS

2
EUCLID PL —FROM 870 SOUTH PARK AV NORTH

ZIP CODE 14210
12 Falkiewicz Sylvester ◎ 826-1071
Keller Patricia A Mrs 824-2395
13 Bauer Albert O ◎ 824-4179
Eckel Joseph A Jr 823-7157
16 Vacant
Mead Geo H ◎
18★Franks Sophia Mrs ◎
19★Pascaletti Alice
20 Pitz James J ◎ 824-6129
24 Maskulinski Caroline F Mrs ◎
26 Lynch Arth W ◎ 826-2424
30★Chachulski Chris
Shimskey M J
★Downing Craig
Rear★Andrews Robt 825-8097
32 Beaman John P ◎ 824-4900
PRENATT ST BEGINS
37 Getz Louise ◎ 825-5160
39 Rehak Anthony J ◎ 823-5179
Kiel Margt
40 Weiss Gary
★Weiss Howard ◎ 826-4770
★Mc Cade James
43 Zokus Wm ◎
Vacant
44 Gorman Virginia D Mrs ◎ 824-0798
45 Merchant Michl
46 Gruver Ardath F Mrs
49 Nowak Frances Mrs ◎ 824-1887
50 Hillyard Genevieve Mrs ◎ 823-4168
51 Doherty Anna E Mrs ◎ 822-5062
52 Norris Wm E ◎
55 Orluk Cath Mrs ◎ 824-7324
Hillyard Harold R Jr
56 Baran Jacob ◎ 822-5191
Horrigan Anna T 823-4650
58 Racki Norman C ◎ 824-4636
60 Frankhauser Genevieve Mrs ◎ 824-3402
ELK ST INTERSECTS

107
EUGENE ST —FROM DEAD END NORTH TO 1500 KENMORE AV

ZIP CODE 14216
HINMAN AV INTERSECTS
20★Ingraham Albert
21 Scoma Judith A Mrs ◎ 877-8026
24 Steffen Wm C ◎ 873-5284
25 Thomas Harry 874-0179
Janecki Adam F 874-5339
Pulvino Lena E Mrs 875-3865
Baker Stella J 875-0480
29 Brodzik Leon C ◎ 873-2344
30★Moti Gertrude E Mrs ◎ 875-1643
34 Reardon Marguerite M Mrs ◎ 875-9692
35 Fish Eug H ◎ 877-1845
37 No Return
★Pache Carl E 873-5869
38 Domagala Joseph L ◎
41 Toth Steven J ◎ 876-9047
42 Barabasz Charlotte L Mrs piano tchr ◎ 875-8994
RAMSDELL AV INTERSECTS
50 Pirri Benedict F ◎ 873-4430
51★Hilczmayer Michl 875-8661
54 Donovan Louise C Mrs ◎ 873-2826
57 Hilimon Ruth N Mrs ◎ 877-1465
Kaletta John ◎ 873-8168
62 Woodworth Lorne ◎ 877-5727
63 Fazio Ronald D ◎ 876-8221
65 Grobe Douglas J ◎ 873-6879
66 Corica Michl J ◎
69 Bridger Edw J ◎ 875-3032
75★Mulhollan Margt I 875-0833
★Harper Thelma E 874-4091
KENMORE AV INTERSECTS

16
EUREKA PL —FROM 338 SYCAMORE NORTH

ZIP CODE 14204
15★Steward B
★Jackson Robt
Rear Vacant
19 Mabley Agnes B Mrs ◎ 847-6579
Maidle Florence Mrs
23 Beckham Harry L 853-9503
Workman Rita L 855-2930
Rear Peoples John
24 Crawford Fred ◎ 842-1806
25 Pitts Wm ◎ 856-7692
★Greene Margaret
27 Garner Frank 845-6114
Vacant
Gobb Edward C ◎ 856-0841
31 Flowers Florence 856-4562
Vacant
33 Brown Frances Mrs 852-5650
Flowers Frank ◎ 847-6217
37 Legree Ben F ◎ 856-6790
Neblett Thomas 856-6215
★Anderson Henry
40 Johnson Reginald 856-7290
43 Mathies Anne
44 Vacant
47 Carter James B ◎
48 Vacant
62 Vacant
Little Norman
65 Davis Maggie Mrs ◎ 856-6463
67 Jackson Bertha M Mrs ◎ 856-9539
GENESEE ST INTERSECTS

127
EVADENE ST —FROM 143 ENGLEWOOD AV NORTHEAST

ZIP CODE 14214
14 Saunders Joyce B Mrs 836-1308
★Smith Harmon 836-1762
17 Lawson Thos S ◎ 834-8058
18★Tong Paul
21★Di Pasquale Lambert 837-5369
22 Lape Edw N ◎ 836-2980
25★Sweeney Martin ◎
26 Eagan David
Hicks Kevin ◎ 834-1835
27 Vitello Ralph J ◎ 837-9848
★Veteramo Michl L
28 Failla Vincent A 838-1877
MONTROSE AV INTERSECTS

54
EVANSTON PL —FROM 38 SIBLEY EAST TO 7 JULIUS

ZIP CODE 14220
14★Shanahan Kevin J ◎ 823-2025
17 Skotnicki Matthew M ◎ 825-1918
18 Schmelzinger Joseph N ◎
22 Miranda Raymond S ◎ 822-9213
26★Horrigan Danl J ◎ 824-1058
AUGUSTA ST BEGINS
29 Barry Blanche C Mrs ◎
33 Cohen Richd M ◎ 822-2715
36★Shanahan James ◎
37 Frantzen Geo K ◎ 824-9575
38 Weir John K ◎
41 Gold Harlan H ◎ 824-3759
44★Shriver Elmer J ◎
47 Mahar Kevin D ◎ 824-9815
50★Klimas Jane A ◎
51 Johnson Richd A ◎ 823-7657
55 Hynes Jos E ◎ 824-8684
58 Suto Beth
Oliver Joseph A ◎ 823-1161
62★Lowitzer Arth C
Metelski Mary D ◎ 823-8034
63 Hynes Anthony
67 Szewczyk Gertrude Mrs ◎ 823-2850
Vacant
JULIUS ST INTERSECTS

83
EVELYN ST —FROM 332 ESSER AV SOUTHEAST

ZIP CODE 14207
11 Lukacz John ◎ 876-7715
Lumberg Sigismund J
15 Quick Kenneth S ◎
★Lull Irene Mrs
19 Bobish Saml ◎ 876-5285
20 Lier Robt M ◎ 873-3603
21 Praties Robt I ◎ 877-5780
26 Malaney Robt P ◎ 873-3546
27 Dobson Wm J ◎ 875-8684
30 Mac Leod Norman C ◎ 873-0615
33 Gauthier Edw A ◎ 877-7230
34 Taylor Leo G ◎ 873-1057
37 Hadaway Thelma Mrs ◎ 873-1044
38 Schmitt Ruth A Mrs ◎ 873-3676
41★Perkins Richd ◎ 874-4222
45 Schmit Herbert F Jr ◎ 875-3324
46 Mock Mary Mrs ◎
49 Paris Rita M ◎ 875-6035
50 Gentila Delores 877-5454
Kristich Mary Mrs 876-8377
51 Hasbrouck Aug ◎ 873-0663
52 Kirschner Rudolph J ◎ 877-5166
54 Vukovic Joseph ◎ 876-6273
55★Hinterberger Eric 874-2960
★Boyle Dennis ◎
56 No Return
57 Dressel Wm A ◎ 875-6727
Ritzenthaler John 874-2993
58 Malast Helene ◎ 873-0698
61 Keeley Helen A Mrs ◎ 876-8527
62 Miklos John ◎ 876-1984
★Schafer Sandra Mrs
63 Wood Leonard H ◎ 875-8690
64★Bermel Kenneth 873-7007
★Maslany Claudia ◎
67 Cheman Aug M ◎ 877-1007
68 Beers Merle O ◎ 876-1304
69 Domaracki Frank J ◎
70 O'Sika Natalie Mrs ◎
73 Woelfle Sylvanus J 874-4825
Schultz Walter D 877-2759
74 Taylor Roy B ◎ 873-8719
75 Vacant
76 Bartnik Walter J ◎ 877-6639
79 Valvo Leonard R ◎
80 Baumgardner Gilbert F ◎ 875-1861
81★Adamczak Kenneth P ◎
Vacant
82 Wiktorowski Danl ◎ 877-3914
ONTARIO ST INTERSECTS
115 La Marco Josephine Mrs ◎ 876-5142
116 Kollmar Gordon F ◎ 873-4042
Rear Pastva Robt M
120 Christer Alice R Mrs ◎ 875-3708
Nunemaker Viola 875-2720
121 Swain Vincent ◎ 875-6089
123 Matyus Raymond W 877-5804
126★Mc Eniry Hoyt ◎ 876-4787
127 Matyus Gaza J ◎ 876-8775
128 Mahoney Frances J Mrs ◎ 875-9820
131 Mc Gee Anna M Mrs ◎ 875-1418
132 Sienicki Danl M ◎
133 Vacant
134 Ekes George R ◎
138 Mersberg Lawrence ◎ 877-5951
139 Bogar Julia H ◎ 877-3785
140 Schihl James J ◎ 874-4336
144 Ceryak Louis R ◎ 875-9041
145 Bourkney Gerhardt J ◎ 877-0849
146 Martin Anna Mrs ◎ 876-0241
149 Flading Charles E ◎ 873-0112
151 Reuillard Camille J ◎ 873-9101
153 Griffin Frances M ◎ 875-0494
CONRAIL CROSSES

910
EXCHANGE ST —FROM FOOT OF OAK EAST

ZIP CODE 14203
WELLS ST BEGINS
158 Montgomery Dan restr 855-8942
Montgomery Mildred Mrs
Harrison Herman
178 Central City Hotel 854-1309
MICHIGAN AV INTERSECTS

8
CHICAGO OVERPASS
ZIP CODE 14204
253 C W P D Inc (Terminal Ofc) 852-7029
260 Shipping & Receiving W & F Mfg
LOUISIANA OVERPASS
ALABAMA INTERSECTS (NOT OPEN)
HAMBURG OVERPASS
ZIP CODE 14210
391 Stetson Chemicals Inc indl chem 852-7245
Big T Warehouse 852-7252
475 General Refractory Co (Bflo Sls Ofc & Warehse) 856-4067
567 Vacant
CON RAIL CROSSES
568★Garrison Zelda
★Maxin Douglas
578 Industrial Chemicals By Products

36
596 Iroquois Door Co (Garage)
650 Alp Steel Corp 854-3030
659 Iroquois Door Co sash & doors whol 856-8144
LARKIN INTERSECTS
669 Iroquois Door (Whse)
695 Iroquois Door Co (Whse)
VAN RENSSELAER OVERPASS
GRIFFIN BEGINS
(NOT OPEN BET GRIFFIN & SMITH)
SMITH INTERSECTS
800 Ethylox Products Inc (Whse) 852-2515
927 Setlock J H
Setlock James
929 Hamerski Helen Mrs ◎
931 Kobus Florence M Mrs ◎ 823-4565
933★Zak Eliz A
ANDREW AL ENDS
936 Lummel Clarence E
938 No Return
939 Szyszkowski Edw J ◎ 824-7403
Vacant
Rear★Setlock Joseph
941★Nowicki Colleen
Rear★Kojac Sophie
Vacant
Rear Misiak Walter J 825-2875
945 Vacant
SORDYL AV ENDS
949 Eschberger Rose Mrs
Eschberger Patricia R 824-1661
951★Nowicki Deborah
Vacant
Rear★Martin Geo
Rear Vacant
955 Bernards John F
Vacant
Rear Kicinski Edw M 825-3068
Rear Kicinski Chester T 825-2498
961★Weber Robt
Martin Rose 827-8607
963 Starr Rosalie Mrs
★Michel Madelyn M 823-3090
965★Beaver Martha
967★Pugh Jean M
★Bulden Frank
Rear★Pallet E Z
Rear★Zajac E
DAYTONA AL ENDS
969 Tirado John 824-4474
Gittere Cyril E 826-1482
979 Hays Frank S 822-6485
Russell Charles A 826-6863
981 Vacant
Kwaizer Chester ◎ 825-3139
983★Weber Velma Mrs
Weber David H
Kurcon John
991 Magretta Stanley L ◎ 825-2968
Kubicki Christine Mrs 822-7247
SELKIRK ENDS
995 Babe's Bar restr 825-8940
Zielinski Charles W 825-3834
Szczepanik Edw A ◎ 825-8940
997 Starzynski Anthony W ◎ 822-8304
★Germick Darcy
999 Kremblas Stella Mrs ◎ 826-1323
★Thornton Jean
Rear★Szejnar Eddie
Rear Minorczyk Helen Mrs 825-7401
1001 J K's Tavern restr 825-9569
J K's Tavern (Stge)
Rear Lewandowski Bertha Mrs 825-2587
Rear Szczepanik Matthew E 825-1731

113
FAIRCHILD PL —FROM LINDEN AV NORTH

ZIP CODE 14216
1 Rieth Hermann 873-2154
Landel Pamela R 874-2590
2 Garofalo Dennis
Pelonero James P ◎
5 Caci
Popko Helen D Mrs ◎ 875-5377
6 Mroz John H ◎
Puma Saml G
9 Hegerl Heinrich J ◎ 877-3255
10 Rosaitto Dominic A Jr ◎ 873-5971
Mecca Donald R 873-3480
15 Corcoran Eug P ◎ 873-1627
16 Ryan James E ◎ 877-7348

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HAMBURG ST—Contd
197 Vacant
Rear★Johnson Ray
198 Fiegel Henry ◎
★Ford Laverna Mrs
200 Jedrysik Joseph J Jr ◎ 854-0557
Mucha Edw G
202 Hill Philip D
204 Gorkiewicz Stanley F
Cepuchowski Mary J Mrs 852-5384
205 No Return
Lillis David P ◎
207 Bannister James J ◎ 852-3750
MIAMI ENDS
211 Mann Donald M ◎ 856-9731
215 Reardon Agnes ◎ 856-0848
★Maxwell Julia Mrs
217★Londo Wm C 842-0849
★Darlak Leonard
219 Gross Jack L ◎ 852-4398
Carr Gregory 849-0879
220 Le Cointe Blanche A Mrs ◎ 853-6112
221★Lillis Charles J ◎ 842-1860
222 Williams Frank J 856-6238
Lawson John F 852-8043
224★Dingeldy Barbara
Needham Patricia F Mrs ◎ 855-2706
225 Vacant
Rear No Return
226 Greene Richd 847-1947
228 Ryszka Stanley J ◎ 842-6507
Devine Nelson
229★Casado Juan 855-3439
★Rosa Javiel
230★Fara S 856-0883
Baron Edw J ◎
231 Vrabel Julia R Mrs 852-5752
Cummings Patricia M Mrs 853-1614
Rear Bauer Charles 855-0051
233 Segarra Nelida
★Cruz Carmen Mrs
Rear Vacant
234★Sibley Richd ◎
236 Zemko Julia ◎ 852-6609
SOUTH PARK AV INTERSECTS
265 No Return
266 O'Sullivan John
267 Carpino James
Vacant
COATSWORTH AL ENDS
269 Reese Donald
271 Shea J Robt ◎
273 Marsh Charles ◎ 855-2700
275★Malysza Margt Mrs
Price Olga Mrs
FULTON INTERSECTS
289 Perry Center delicatessen 847-2535
★Mills David ◎ 847-2535
291 Flanagan Joseph
293 Staples Verna ◎ 855-3477
294 Apartments
1 Malone Rosemary 855-1898
2 Vacant
3★Douglas Ethel M
4 Vacant
5 Strickland Earlean
6 Fonder Scottie
295 Kozlowski Walter F ◎ 856-4905
Kozlowski Matthew ◎
297 Tuzzalo Anthony F ◎ 853-3789
O'Connor John 852-0293
298 Apartments
1 Sarwaab Akram
2 Montes Ires
3 Vacant
4★Palmer Bernadette
5 Vacant
6 Edwards Carrie E 856-6474
312 Apartments
1★Ortiz Monserette
2 Hobbs Loni
3★Anderson Erma
4 Silver Frances E Mrs
5 Spearson Geo 852-5041
6 Sanders Sadie
316 Apartments
1 Daniels Wilma 855-3970
2★Williams Yvonne
3 Lusk Earl V
4 Alexander Minnie
5 Washington Elvira
6 Young Joana 855-0568
PERRY INTERSECTS
330 Apartments
1 Sharpe Robt 842-1577
2 Vacant
3 Burns Lillian Rev
4★Polk Charles
5 O'Donnell Edw T 854-0434
6★Peterson Edna
333 Pugowski A J
334 Apartments
1★Neeley Gertrude
2 Reiman Herbert C 852-3991
3 Graham Mildred E Mrs 856-3035
4★Shackelford Pearlene
5 Neely Gertrude
6 Vacant
CONRAIL OVERPASS
SCOTT INTERSECTS
363 A B C Steel Rule Die Corp die makers 855-1108
367 Dubuque Packing Co meat packing 852-2446
Transportation Club Of Buffalo
Clecon Inc (Eastern Br) die ctrs fabricators 852-0490
Vacant
Vacant
369 Trautman Wm R Associates consulting eng 856-4545
374 City Sewer Authority (Pumping Sta) 854-2215
CONRAIL UNDERPASS

8

EXCHANGE UNDERPASS
CARROLL INTERSECTS (NOT OPEN)
CON RAIL CROSSES
SENECA INTERSECTS
505 Vacant
MYRTLE AV INTERSECTS
519 Wylie Distribution & Warehousing Inc 853-2016
SWAN INTERSECTS

91

HAMILTON ST —FROM NIAGARA RIVER EAST TO 302 TONAWANDA

ZIP CODE 14207
ft US Army Corps Of Engs Bldg No 7 (Side Ent) 876-5454
DANN ENDS
NIAGARA INTERSECTS
33 Wojcik John J ◎ 873-2104
41 Vacant
★Kreppel Edith Mrs 876-2679
43 Stickl's Bakery 873-9660
Stickl Peter 873-9660
DEARBORN INTERSECTS
61 Mock Kenneth D 874-1820
62 Elersic Patk A
67 Vacant
68 No Return
Zorich Mary ◎
69 Chuck's Take Out Service wholsale coffee sales 877-2306
★Laskay Charles 877-2306
EAST INTERSECTS
85 No Return
86 Special John 873-2693
Rear Vence Louise K Mrs 875-6364
87 Barton Edw S ◎ 876-1981
Rear Barton Edw G
89★Betler Bette J
Rear Vacant
90 Rinus Donald P ◎ 873-9461
91 Vacant
Rear Howard Bert ◎ 875-2980
92 Bogdan Paul R 876-0212
Kocsis Louis ◎ 875-4587
93 Hoch Albert J ◎ 875-0173
96 Bernhardt Nicholas M ◎ 876-1497
★Bernhardt Michl
HOFFMAN PL BEGINS
ST FRANCIS PL ENDS
100★Herniman Elsie Mrs
Richard Lloyd R ◎
101★Willett Dawn L 877-0121
★Grandza Michl ◎
105 Steffan Mae C Mrs ◎ 873-1626
Dietz Virginia L Mrs 874-0539
Becker George 875-9662
107★Rawford Ronald
108 La Barba
110 Sundy Kenneth B ◎ 875-6234
Lineback Margt Mrs 877-5689
111★Ailinger Richd
★Canfield Eva
113 Swain Raymond ◎ 875-9596
114 Vacant
Vacant
★Weber Thos
116 Schamber Richd 875-1256
THOMPSON INTERSECTS
132★Crockett John
136 Solomon Jacob
★Shea James C 877-6931
142 Vacant
144★Wedrychowicz Barbara R 877-6501
★Junn Geo W 874-5619
GORTON INTERSECTS
152 Dalton Louise M Mrs ◎ 877-0326
158 Hermann John ◎ 875-4839
TONAWANDA INTERSECTS

156

HAMLIN RD —FROM 108 LONSDALE RD EAST

ZIP CODE 14208
2 Porter Edw C ◎
Davis Mary 882-6373
5 Boyd Andrew O ◎ 881-0706
6 Ruffin Jacob C Rev 881-1589
Vacant
9 Oliver Harges ◎ 885-4170
10 Scott Florence Mrs ◎ 886-7128
11 Olden Frank ◎ 885-0699
14 Stocks James ◎ 882-4234
Vacant
17 Robinson Levorn ◎ 883-6530
18 Spates Margt ◎ 886-0823
19 Williams Hubert H ◎ 886-1132
20 Howe Willa K Mrs ◎ 884-4163
24 Perry Viola M Mrs ◎ 885-9224
25 Allen Corrie L ◎ 886-5454
27 Robinson Robt L ◎ 883-9927
28 Porter Jimmie Jr ◎ 883-7732
31 Vacant
32 Barkley Mildred H Mrs
35 Washington John C ◎ 886-6749
36 Goodwin John T ◎ 881-5077
37 Lyons Norman B ◎ 884-9450
38 Duke Donniezel B Mrs ◎ 883-6722
41 Dixon Joseph R ◎
42 No Return
45 Gross Sadie C Mrs ◎ 885-2588
46 Hilliard Yvonne Mrs ◎ 884-7768
49 Vacant
50 Lomax Oliver A ◎ 882-4032
53 Mack Sharon L
54 Benjamin
55 Johnson Curtis ◎ 882-6850
56★Pinkard Mary 881-3828
59 Davis Willie F ◎
60★Rae Barbara ◎ 884-3693
64 Montague John S ◎ 883-2726
65★Banfield Bobbie 882-8424
67 Allen Nervan H Mrs ◎ 885-5570
68 Sams Clarkson M ◎ 883-5087
70 Greene Thelma L Mrs ◎ 885-9346
71 Wyatt Maynard N ◎ 882-6446
73 Cole Brenda E
74 Gill Fredk ◎ 882-8478
77★Pridgen Barbara J 884-1665
78 Fogan Bee A ◎ 882-5579
81 Peterson King W ◎ 882-5992
82 Disney Clarence E ◎
85 Hall Frances K Mrs ◎ 883-8540
86 Greene Prudence R Mrs ◎ 885-2708
Greene Irving J ◎ 883-7726
89 Olive John ◎ 886-0388
90 Brinkley John W ◎ 886-6658
93 Hollins Wm B ◎ 882-0145
94 Dabney Oliver J ◎ 886-7847
97 Threet Ralph S ◎
98 Breckenridge Stanley
101 Johnson Horace C ◎ 885-8814
102 Blassingame Gladys Mrs ◎ 883-7345
104 Bennett Harold T 886-6589
Atkins Harold S ◎
105 Townsend

138

WOHLERS AV INTERSECTS
114 Day Elroy L Rev ◎ 883-3007
115★Goldsmith Wm
117 Mc Call Landen L ◎ 883-7117
118 Hardy Herbert T ◎ 886-6292
121 Vacant
122 Sawyer Charles ◎ 882-8556
125 Anderson Robt W ◎ 886-5079
126 Scott Theo A ◎ 886-5219
129 Chapman Charles ◎
130 Mc Garrah Charles ◎ 883-1688
133 Pitts Eliz Mrs ◎
134 Bradley
137 Bailey Fannie W Mrs ◎ 882-7550
138 Johnson Wm H ◎ 884-4943
139 Fisher James L ◎
142 Taylor Jeffrey J ◎
143 Butcher Leon ◎ 886-2980
144 James Mattie B Mrs ◎ 886-1817
147 Johnson Alf Jr ◎ 884-3150
148 Ramey Wm R ◎ 885-5958
151 Herritage Joan P 886-7474
152 Mayfield Geraldine R Mrs ◎ 883-1293
155 Moore Ernest ◎ 886-6380
156 Watkins Edna A Mrs
159 Curry Robt S ◎ 882-0829
160 Cunningham Percy ◎
163 Dickson Abe ◎
164 Luther Geraldine 886-4111
167 Hernandez Geo
168 Rainey Earline S Mrs ◎ 882-8408
171 Dukes Curtis O ◎ 884-8518
172 Curry John R ◎ 882-1704
175 Peoples Orales Mrs ◎ 883-0610
178 Simpkins Mitchell ◎ 886-4248
179 Vacant
Hughes Leroy Jr 886-6198
182 Hardiman Winton J ◎ 886-5051
183 Burnett Willie G ◎ 884-3105
184★Davis David ◎ 881-3525
187 Dow Zellie B Mrs ◎ 884-7896
188 Stenhouse Edw J ◎ 882-6807
191 Marshall Milton M ◎
192 Hinson Wm C ◎ 883-1589
195 Jackson Emil A ◎ 882-8762
196 Pelham Charles ◎ 883-3250
199 Smothers Moses H ◎ 885-6130
202 Blackford Dolores B Mrs ◎
203 Thomas Judson ◎ 885-5623
204 Giles Clyde L ◎ 886-2196
207 Woodard Edythe E Mrs ◎ 882-2452
210 Curry Kenneth S Rev ◎ 883-2714
HUMBOLDT PKWY INTERSECTS

42

HAMMERSCHMIDT AV —FROM NORTH LEGION DR NORTHWEST

ZIP CODE 14210
24 Insera Joseph P ◎ 825-3309
Andres Robt J 824-8725
25 Menno Laura Mrs ◎ 825-4571
Gorny Kath 822-5384
28 Marinaccio Nicholas J ◎ 824-9115
29 Balkin Edw G ◎ 822-3173
★Moch Patricia
32 Balicki Charles L ◎ 824-3222
Mackiewicz Richd
35 De Carolis Paul V ◎ 824-6817
Mack Francis W 822-7799
38 Mc Cool Linda L 825-5462
Szczur Sharon F Mrs 828-1127
39 Ferilli Ralph G ◎ 824-9094
Riley Regina Mrs 824-3039
40 Locher Frank 824-6186
Wolf Ruth V ◎ 822-2650
42 Gerrity Wm F ◎ 824-8593
Rauls Julia Mrs 822-8766
43 Flanagan Paul ◎ 825-0778
44 Insera Pasquale M ◎ 822-6586
Rear Farley Michl
45 Moden Ralph J ◎ 825-2387
48 Doney Harold V ◎ 822-2349
Korn Mary B 826-6686
49 Schamann Jeanne M Mrs ◎ 824-2034
52 Winkelman Michl J
53 Hale Thos D ◎ 826-3395
54 Chretien Robt J ◎ 822-7592
55 Calkins David J ◎ 826-9352
59 Garner Margt A ◎ 822-4489
60 Vacant
Breen Martin 822-5060
63 Bankowski Geo ◎ 826-3024
64 Pawlowski Rudolph B ◎ 823-7952
65 Mahoney Wm P Jr ◎ 824-4094
68 Holts Leon C ◎ 824-7783
69 Stulack Robt S ◎ 822-5972
72 Rosowicz John 822-4512
Rosowicz Alice H Mrs ◎ 824-4776
73 Creahan Thos P ◎ 826-2075
76 Lizak Thos ◎ 826-3272
★Lizak Thos Jr 823-8910
78 Mullen James V ◎ 824-1159
79 White Wayne T ◎ 823-3548
La Belle Thos
80★Riley Mary R Mrs
Vacant
83 Renowden Joseph E ◎
84 Vastola Anthony 822-4373
85 Jurecka Helen P ◎ 825-5405
★Drazek Helen R Mrs
88 Caldarella Nicholas A 823-9693
Vastola Dino ◎ 825-5949
89 Swanson Ruth ◎ 824-3248
90 Geary Thomas J ◎
Manka Francis J ◎ 824-3970
91 Keller James S ◎ 825-7305
95 Vacant
Vacant
96 Fullone Vincent J ◎ 822-9047
Vacant
97 Vohwinkel Howard R ◎ 824-4974
99★Crouse Dormann
100 Jahnke Francis J ◎ 825-0553
★Szwed Susanne Mrs
103 No Return
Breen John 822-7936
104 Koch Robt C ◎ 823-1573
Rehrauer Wm E
105 Wilkey Frank J ◎
108 Neaverth Francis J ◎ 822-7123
Whalen Gerald T 824-5984
SENECA INTERSECTS

51

HAMPSHIRE ST —FROM 940 BUSTI AV NORTHEAST

ZIP CODE 14213
NIAGARA ST INTERSECTS
32 Lauria Thos ◎ 882-7445
Vacant
33 Young Melody L
Vacant
35 Gold Cross Ambulance 885-2070
36 Vacant
36½★La Berta Robt
37★Freire Gloria
Cisneros Marcelo ◎ 884-5223
39 Irti Vito ◎ 883-1927
Lo Fredo Roy
45 Falzone Peter 886-4174
Vacant
PROSPECT AV INTERSECTS
61 Anthony Mildred 886-3659
63 Vacant
64★Spack Jeri Mrs
65 Call Walter
66 Highway Eliz 885-8630
68 No Return
70 Valez Carlos
71 Pidanick Frances Mrs ◎
Gress Margt
72★Van Meer Donald
73 Richter Antoinette
74 Caito Anna Mrs ◎ 882-2019
75★Luciano Ricardo ◎ 882-7235
78 Strzeszynski Doris Mrs 881-4228
Sciandra Carmelo ◎ 885-9143
79★Lyord Henry ◎
81 Grosso Benny ◎ 881-6953
★Strong Leslie
No Return
82★Cooke Vincenza 884-5690
Merlo Rosario 883-8268
83★Quinones Adela 881-1165
Vacant
84 Galioto Jane M 883-7946
85 Vacant
Temperato Anthony F ◎ 882-0125
86 Zuzze Giovanna Mrs ◎ 885-8752
87 Gervase Anthony R ◎ 883-8745
89 Gervase Anthony R gro

Jenss
WILLIAMSVILLE, N.Y., EASTERN HILLS MALL 837-1500
AMHERST, N.Y. BOULEVARD MALL 837-1100
NIAGARA FALLS, N.Y., MAIN ST. AT DIVISION ST.' 297-7100
MIL-PINE PLAZA 297-7900
SUMMIT PARK MALL 297-7400

LANGFIELD DR—Contd
281a Lewis Josephine
281b Dickinson Rose Mrs
283a★Thomas Pat
283b★Long Linda
284 Daniels Venise
285a Frazier Allen
285b Hines Lillian
285c★Moore Beverly 893-9309
285d Johnson Syricia Mrs 895-5879
287a Harris Cercy
287b Kaczorowski Sophie Mrs 896-8479
289a Jackson Patricia G
289b Boltz Albert J 896-3606
291a Vacant
291b Zitter Genevieve
SUN ST BEGINS
301a★Parr Shientai 897-2681
301b No Return
303a Mills Robt 893-0682
303b Vacant
305a Liu Kung-Chen 894-1609
305b Whittaker Beverly 896-1256
307a Allen Norma
307b Davis Marveline
307c Byrd Carol
307d Vacant
308 Smith Ann M Mrs
309a Vacant
309b Jones Mary Ann 892-2692
311a Traylor Joyce
311b Fenty Marcella L Mrs
312 Reynolds Patricia A Mrs 833-4814
313a Vacant
313b Knupp Ardath M Mrs 893-0739
314 Cotton Thelma G Mrs 833-6755
315a Willis Arlana
315b Balzano Betty M Mrs
315c★Lance Dorothy
315d★Lowery Olga
316 Watkins Ada
317a Vacant
317b★Brown Tina 892-3923
318★Ajibola Kolawole 836-1492
319a Jones Robt
319b★Thompso Idoil 891-9274
320 Vacant
321a★Chang Chiung 897-1249
321b Walker Linda
322 Eady Mattie
323a Vacant
323b★Williams Neila M 894-5956
323c Cole Emma 893-4858
324★Williams Douglas 832-1432
325a Robinson Josephine
325b★Horrod Mamie
325c Raniero Mary T Mrs 896-8211
326a Westmoreland Helen R Mrs 837-0848
327a Garner Annie R
329a Fomenkyi Kevin
327b★Livingston Anna
327c Vacant
327d Johnson Cassandra
328a★Tambo Ivo 894-4636
329b Hardwick Margie
331a★Mylers Jessie
331b Garner Bertha Mrs
333a Vacant
333b Jester Deborah
334 Vacant
335a Vacant
335b Vacant
335c★Ward Gloria
336★Pates Dorothy
337a Worley Denise
337b Moore Wm C 896-5675
337c★Smith Curtis
338 Smith Gaynell F Mrs 833-2944
339a★Skinner Elnore 897-5273
339b★Ames Simson 894-1394
340 Hardin Angelet 835-2068
341a Nelson Vera M Mrs 895-7233
341b Mc Callar Annie L 896-7268
342 Brown Rebecca 833-2958
343a Addison Norman 895-0444
343b Fallon Mary T Mrs 893-9916
344 King Rosalind Mrs
345a Clay Cora Mrs 895-3458
345b Barker Mary J 891-5547
345c Vacant
345d Johnson Gloria A Mrs
346★Gadley Anthony 837-9018
347a Dams Hedwig E Mrs 895-9856
347b Pennick James
348 Jones Marion
349a Moe Karen E 892-9034
349b Vacant
350 Whittaker Carleton 832-6991
351a★Barleston Sally 895-9460
351b Vacant
352 Moore Leona Mrs
353a Bordeaux James 897-1751
353b Brundidge Annie Mrs
354 Trahan Linda 834-5080
355a Miller Romell
355b Hewson Dorothy
356 Vacant
357a Vacant
357b★Frazier Vivian 891-8655
358 Constantin Margt M Mrs
359a King Eliz Mrs
360b★Miller Wm
360c Williams Terry 897-4243
360d Helbig Anita M Mrs 896-2776
360 Brown Edith D Mrs 837-2085
361a Vacant
361b Vacant
362 Barnes Maggie
363a Vacant
363b★Barleston Ann
364 Moseley Willie
365a★Whitehead Delois
365b Scott Jimmy 893-9826
366 Mc Cant P 837-0660
367a Cassell Mary Ann 896-0119
367b Sanford Arellia Mrs
367c Foster Sarah Mrs 891-9011
367d★Montgomery Helen
368 Wilson Roosevelt
369a Bell Delphia 892-0561
369b★Liu Der-Wu 896-1753
369c Grant Lizzie B Mrs 897-3683
369d Lin Fu-Grand 896-2944
EDISON AV INTERSECTS
384 Jones Beulah 897-4612
386 Hoelzle Anna L Mrs 896-7530
388 Walker Clarissa 895-6234
390 Lewis Patrice M
392★Whitner Hazel 896-5392
394 Vacant
COLLINS WALK BEGINS
408 Rauch Helen M
410 Tracy Victoria A Mrs 894-2226
412 Lee See-Kee
414 Chou Kiang-Hong 896-0994
416★Walker Jane
418 Krafft Ebbs F Mrs 894-7818
CONGRESSIONAL WALK BEGINS
432 Vacant
434 Rance Cecelia Mrs 894-5907
436 Magham Clyde 897-3077
438 No Return
440 Hottum Mildred Mrs 892-2340
442 Long Gloria Mrs 895-8964
BEITER WALK BEGINS
456 Dahlfors Ernst I
458 Lyons Mary E Mrs 884-8846
460 Weber Mildred M
462 Funk Ellen M Mrs
464 Hark Sui Kong 896-5132
466 Naber Gertrude A Mrs
EGGERT RD INTERSECTS

180

LANGMEYER AV —FROM 72 OLYMPIC AV EAST TO 2564 BAILEY AV

ZIP CODE 14215
2 Esch Alice M Mrs ◎
4 Plunkett John ◎
6 Esch Russell S ◎ 894-8836
7 Endle's Delicatessen 893-3447
Endle Wilfred F ◎ 893-3447
10 Stallworth Elmo
★Benson May Mrs
11 Schaefer Geo C ◎ 894-3991
12 Imiola Leonard M ◎ 894-8279
15 Koch Robt R ◎
16 Matthews Lillian ◎ 895-6765
Vacant
19 Dolan James E ◎ 895-6312
Cedrone Richd 896-5816
20 Lasker Eliz M Mrs ◎ 895-4760
Carrigan Milton T 893-7897
21 Gress Robt ◎ 896-7896
22 Giallombardo Jean E Mrs
Jankowski Mathew ◎
23 Kelchlin Donald ◎
★Weigand Jan Mrs
24 Beauragard Robt
★Roszyk Peter
25 Butz Bertha Mrs ◎ 893-5374
26 Lucas John H 894-8841
Bykowsky Bernard
27 Grau Mary E Mrs ◎ 892-1697
28 Deinhart John G ◎ 894-5374
29 Horvatils Gabriel ◎ 894-1787
★Lavaty Mark 895-5167
33 Marks Raymond N ◎ 892-8688
34 Crocke Leonard C ◎
35 Gruber Wilbur F ◎ 893-9205
36★Beres Victoria 895-0540
★Lang David A 895-9541
37 Balk Casper J ◎ 893-6339
38 Vacant
40 Lard Lonnie ◎ 896-0748
Holloway
43 Styn Raymond
45 Marchiano Sam ◎ 897-3432
46★Moseas Taryn D Mrs 891-4996
Halt Carlton 892-0907
47 Vacant
50 Reinard Henry C ◎ 893-5898
51★Conklin Wm D Jr ◎ 897-0469
★Williams J
52★Jones Arlinda
Baynes Eliza
★Sinadin Joy Mrs
53 Scali Joseph L ◎ 895-7939
Vacant
54★Adams James
Vacant
57 Russell's Service vacuum cln 892-2577
Garrold Russell H ◎ 892-2577
★Mc Master Jean Mrs 893-5974
58 Gaddis Billie ◎ 893-7506
59★Epps Darryl
★Epps Clarice
60 Hover Mary J Mrs ◎
Hover A Michl 892-4849
61 Pitz Geraldine L Mrs ◎ 893-2283
Smith Mae B Mrs 892-4407
62★Halor Larry 893-0108
64★Messing Barbara Mrs
★Tucker Diane Mrs
65 No Return
67 Ott Jerome V ◎ 894-7300
68 Zoeller Robt 895-6761
★Pagano Anthony
69★Mills D
★Guercio David 897-0302
73★Quicksey Leola Mrs 897-1422
★Campbell Correan Mrs ◎ 893-0111
74★Edwards Louis
★Hairston Matthews
75 Mecca Danl J ◎ 897-1491
76 Alexander Willie ◎
Upper★Graham Morris
80 Mordino Joseph G ◎ 893-4157
Mordino Mark C 893-4157
81 Gomlak Irene B Mrs ◎ 894-3247
BAILEY AV INTERSECTS

108

LANSDALE PL —FROM 451 KOONS AV EAST

ZIP CODE 14211
11 Vacant
13 Boiden Kathryn ◎
Smith Michl 892-4391
RUSTIC PL BEGINS
19★Thomas Geo ◎
Nailor Bruce 892-6432
23 Burt Pauline 892-1835
Jackson Thos
25★Davis Vivian
Davis Brize 896-5241
Rear★Davis Lannie R
27★Carter Michl
Paige Leola B Mrs 891-9539
29 Turner Paula K
35 Vacant
39★Gordon Beaula
41 Best Wm ◎
43 Vacant

95

LANSING ST —FROM 22 JOSLYN PL EAST

ZIP CODE 14207
11 Gerwitz Joseph 873-5088
Vacant
15 Domagala Sandra
17 Klemowski Vivian Mrs ◎ 876-8167
Kopec Robt L
19 Ruisi Viola A
★Roisi Deborah
21 Vacant
26 Tauren Construction Co Inc 877-7301
26a Niagara Dairy Products 873-4730
26b Metal Preparations Co Inc 874-0786
26c Hector's Whol Distributing Co Inc
hdw 877-6200
MILITARY RD INTERSECTS

52

LARABEE ST —FROM 40 HOPKINS EAST

ZIP CODE 14220
9 Master Collision 826-2757
12 Evans Raymond
16 Koch Adolph F ◎ 824-1606

127

LARCHMONT RD —FROM 35 UNIVERSITY AV NORTH

ZIP CODE 14214
7 Lucitt Danl J ◎ 835-1228
9 Danner Mary F ◎ 834-5269
11 Cataldo Jerry F ◎ 835-5299
15 Ingersoll Patricia Mrs 837-1434
21 Mc Groder Patk J Jr ◎ 833-2177
22 Brooks Christine Mrs ◎ 835-7215
25★Smythe Garry ◎
26 Barry David E ◎ 837-8542
27★Gronowski Dave 837-5480
30 Nicholas Walter 838-3593
35 Bentley Florence S Mrs ◎ 834-0702
36 Salczynski Joseph E ◎ 836-7917
RADCLIFFE RD BEGINS
39 Muscarella Salvatore ◎ 832-8201
43 Berg Floyd H ◎ 833-3747
45 Mayer Dorothy M ◎ 833-9325
49 Koenig Peter W ◎ 837-3068
53 Head Alan S ◎ 832-8852
57 Lamparelli Rocco A ◎ 835-5322
61 Kelly John J ◎ 834-0686
65 Dowd Kenneth C ◎ 836-7700
69 Lockwood Merle E ◎ 833-5612
73 Mihich Enrico ◎ 832-5757
BELLEVUE AV INTERSECTS
81 Young Robt D ◎ 834-8087
82 Forman David G Jr ◎ 836-4695
87★Skotnicki
90 Lepie Richd ◎ 834-8225
91 Farrell Frank A ◎ 832-4011
93 Grimm Carl C ◎ 832-1454
94 Rutzen Ernest T ◎ 833-6564
98 Winslow Gary K ◎ 837-3653
99 De Laney Arth W ◎ 835-4849
102 Lamantia Steph R ◎ 836-2382
103 No Return
104 De George Paul ◎ 836-1367
108 Hays Joseph F Jr ◎ 834-1079
109 Csonka Albert B ◎ 833-3122
112 Daigler Roman J ◎ 834-3709
115 Pikula Ronald E ◎ 838-5841
116 Greenberg Israel H ◎ 837-2320
117 Morrissey Franklin J ◎ 832-7186
121 Hennigan Patk T ◎ 836-6460
KENMORE AV INTERSECTS

120

LARK ST —FROM 28 SIDNEY NORTH

ZIP CODE 14211
14 Henderson Abbie ◎ 895-6133
★Cole E
15 Green Willie Mae
Bryant Marilyn
16★Wilkins Alice 895-4353
★Baker Lawrence
17 Martin Eula Mae Mrs ◎
★Hopkins Vernon
19★Sweat Jordon
20 Vacant
Vacant
21 Hill Alberia ◎ 894-9489
Williford Charles L 894-8157
22 Dean John ◎ 892-0675
Durham Jesse Jr 894-6978
25 Pitts Saml ◎ 897-4925
Owens Eugenia A 897-4364
26 Thompson Fred ◎ 894-1924
29 Hopson Howard ◎ 892-4570
Adams Joseph 894-7890
30 Mathis Jessie J ◎ 894-0060
Mathis Michl
31 Gardner Willie J ◎
Kemp Helena E Mrs 896-8252
32 Henderson Ann Mrs ◎
★Smith Walter
35 Brewer Otto ◎ 895-4762
Drake Thos 894-6002
36 Hinkle Plez Jr ◎ 893-6094
Singletary Alward 896-0406
37 Nunass Desiree
Rear Delanie Allen 896-7274
38 Brown Robt L ◎ 892-4365
★Growell Beverly
40 Hord Wm A ◎
Scudder Henrietta
41 Richardson Sarah A 894-8678
Jones Randolph 892-6920
43 Burnett Betty A Mrs
★Warren Jerome
44 Vacant
★Nelson Norman ◎
47 Gray Leroy ◎
Crowell Corrie M Mrs 894-6439
48 Cooper Emanuel C ◎ 893-6957
Long Patrica
51 Moore Edith M Mrs 891-8916
52 Gist Joseph N ◎ 896-3614
Johnson Norma E 895-0087
53 Tarabula Julia T Mrs ◎ 892-7006
Garner Denise L
55 Swartz Eliz C Mrs ◎ 894-3473
56 Foreman Johnnie M
Waker Rachel E Mrs ◎
58 Bryson Lorene Mrs 897-2934
Booker Alex B 892-0577
62★Benefield Sam ◎
Hokes Anna Mrs
Rear Turner Cora
74 Scott Roosevelt 894-1948
75 Dusyn Carl S ◎
76 No Return
77 Wiggins
78 Green Jimmie L 892-8315
79 Vacant
81 Garrett Wynette Y 896-4831
★Banks Peggy 892-0574
82 Denler Sheet Metal Inc 893-6706
83 Vacant
84★Horn Frances 892-0739
Vacant
Vacant
85 Lee Rufus ◎ 895-9326
★White Eddie
NORTHLAND AV INTERSECTS

36

LARKIN ST —FROM ½ BLK SOUTH OF ROSEVHLLE NORTH TO SENECA 1 WEST OF VAN RENSSELAER

ZIP CODE 14210
189 Misiak Peter J ◎
Misechok Steph 852-8088
197★Klinko Edw
No Return
205 Vacant
207★Vallon Rose 856-5609
209 Vacant
211 Cochran Arth E 856-7910
Horn Richd Jr 852-6090
ROSEVILLE BEGINS
241 Harbison Walker Sales Co
(Warehouse) 854-0136
CONRAIL CROSSES
EXCHANGE INTERSECTS
290 Sam-Son Distribution Center Inc
public whse & distr 853-3500

625 FARGO BUFFALO, N.Y. 14213 Services
W S It
Is An by Cla Bus Lis In Dir

LAVERACK & HAINES, Inc.
INSURANCE SERVICE
CLAIMS OFFICES SYRACUSE — ALBANY — NEW YORK, N.Y.
135 Delaware Ave. Phone 852-3065

LARKIN ST—Contd
293 Niklas Sign & Silk Screen Printing 856-8354
309 Vienco Inc retail beauty supplies 856-5446
312 Vacant
315 Vacant
SENECA INTERSECTS

200

LASALLE AV —FROM 2978 MAIN EAST

ZIP CODE 14214
15 Studt Res
25 Vacant
Irwin Ronald E 837-1306
29 Vizzi Vincent J ◎ 836-8333
★Palumbo Geo
33★Roech Steven ◎
★Speack Allan
36 Earl's Recovering Service uphol 834-6884
Anton Earl A ◎ 834-6884
37 Quality Upholstery 837-0446
Bostaph James ◎ 837-6793
★Ella Susan
39 Vacant
40★Vera Regina
★Fada Vaih
45 Barbera Jose
48★Fisher Maude
Shaw Thos G ◎ 835-1037
49 Computerized Mail Services mail listings 833-4575
52 Pelczynski Wm W ◎ 837-8159
56 Owens Patricia Mrs
60 Roof Gertrude Mrs ◎ 832-3011
73 Neville Lumber Co Inc industrial pallets & skidders 834-3038
74 Schlaraffia Bisonia Inc club 836-9768
75 Neville Gregg Lbr (Addn Space)
78 Fillinger Joseph M ◎ 836-3187
Gearin Wm J 833-2953
80 Littler Wm
Rear Knausdorf Frieda Mrs 833-5741
83 Waldheim Iron Works Inc 833-6520
89 W U F O Radio 834-1080
92 Stahlin Louise Mrs 835-4725
★Lanier Gene-Etta Mrs
Fuss Edith H 833-9765
De Foe Norman K 837-7825
98 Zimmett Geo P ◎ 833-0653
100 Vacant
Di Franchesco Deigo ◎ 838-5638
Muscarella John
101 Courier Cable Co 837-0256
106 Healy Robt W ◎ 838-6239
10 Studt Res
114 Haller Lillian Mrs
Egner Esther L
★Szcieback David
★Corkie Joseph
115 Vacant
QUARRY SQ BEGINS
CORDOVA AV BEGINS
126 Studt Res
127 Korzelius Ruth E Mrs ◎ 835-5481
128★Edwards A L 833-3293
★Lynn Marc
130 Martin James A ◎ 835-6268
131 Gundy Jerome F ◎ 832-1543
Sainsbury Mildred O 833-7469
134 Ballard Neal A ◎ 837-9148
135 Coon Esther C Mrs ◎ 835-4963
137 Wagner Russell G ◎ 834-0842
Flemming Edwin G
140 Ware Eddie Rev ◎
141 Barge Billy ◎
142 Garvin Lynette Mrs ◎ 838-5355
148★Windover Beverly
152 Di Nardo Mary S Mrs ◎ 834-2709
153 Chung Kao-Chi
154★Linder Jeffrey ◎
★Kubick Barbara
155★Koss Joseph S Jr ◎ 832-6461
Stanley Cynthia 835-1029
157 Frost Harlan M Rev ◎ 833-7653
158 Vacant
Hawes Herbert C ◎ 833-9938
162 Meyer Melvin A ◎ 833-6530
Meyer Joanne R 837-8222
163 Hughes Kenneth W ◎ 833-1171
166 Koelmeyer Peter ◎ 835-2110
167 Draper Geo E ◎ 833-8173
169 Vacant
Abeling James H 832-8289
RANGE AV ENDS
172 Smits Cornelius G ◎ 834-9546
176 Moleski Donald J ◎ 833-3270
Ragaman Mary
177★Barlog Paul R ◎ 837-7492
180 Stevenson E Allen ◎ 832-1020
181 Hornung David A ◎ 837-1028
185 Moser Joseph D ◎ 835-7180
★Wesner Barbara A 837-3114
186 Lucci Rocco A ◎ 832-1473
188 Wenger Elsa G Mrs ◎ 832-5522
189 Evans Anna W Mrs ◎ 835-1687
192 Donardo Peter
193 Rote David M 838-4936
Ulrich Alice E Mrs ◎ 833-8896
196 Schoolmaster Margt H Mrs ◎ 832-4726
Strauss Geo V 832-8065
197 Trexler Helen B Mrs ◎ 832-1042
Wray Helen M Mrs 836-7772
200★Kraut Robt 835-6795
Chimera Mary H Mrs ◎ 832-8035
201 Favre Jean W Mrs ◎ 834-1315
204 Reger John J ◎ 832-5164
Spinuzza Russell A ◎ 834-1216
205 Seitz Homer R ◎ 832-7449
208 Meyer Frances A Mrs ◎ 834-0900
209 Gayles Geo H ◎ 834-9579
211★Corwin Steph
★Green Harold ◎
212 Beebe Lorne
★Targonnik Harris
216 Santella James 837-5528
217 Gonzalez Michl R ◎ 832-3086
★Hoffman Cheryl
220 Snyder Christine Mrs
★Barry Philip
221 Lyba Peter ◎ 835-1092
224 Carland Esther M Mrs ◎ 834-8806
Siradas Mary Mrs 832-5875
225 Thomann Edwin F ◎ 834-2821
229 Jones Geo ◎
230 Conners Francis P ◎ 838-6017
PARK RIDGE AV INTERSECTS
ZIP CODE 14215
240 Walbesser Florence T Mrs ◎ 834-9594
★Metzger Louis
241 Studt Res
★Hadi Huri
245 Fuller Norman ◎ 836-5748
246 Fischle Geo L Jr
Allen Charles C 838-4347
249★Folsom Marie
★Smith James R 836-5446
250 Studt Res
253 Bartholomew Anthony ◎ 833-4229
★Smith Geo
254★Schuenbauer Gary
★Mickel Robt ◎
257 Gillman Ann Mrs ◎ 832-3226
Vacant
258 Bauda Russell M ◎ 834-9891
Czarnecki Jonathan 838-2627
260 Ambis Edw 837-6667
Herman Robt ◎ 833-1886
263 Moore Clara E Mrs ◎ 836-8134
★Perkins Peter
264 Vacant
265 Schreier Jeanne D 836-4110
Bollinger Edith E Mrs ◎
266 Mukhopadh Yay
Emert Jeanette Mrs ◎ 836-1148
269 Verrastro Leonard F ◎ 837-3716
Studt Res
272 Fortkort Arth L ◎ 832-7144
Kearns Vernon L 834-1560
273 Schreier Louise Mrs ◎ 832-4816
Luitink Vivian L Mrs 833-2034
276 Maggio Olivia D Mrs ◎
277 Smigiel Donald S 838-2232
Farron Gorden E ◎ 832-2250
280 Murray Helen V ◎ 838-2558
281 Haselswerdt Michl ◎ 835-5990
285★Paulson Rick R ◎ 833-1904
286★Stanley P H ◎ 837-8906
★Di Orio J M 837-4054
290 Figliola Frank A ◎ 837-0189
Waligorski Fred 837-9497
291 Unger Joseph C ◎ 834-5849
294 No Return
295 Hereth Jas J ◎ 834-9697
297 Martinke Geo E ◎ 833-1914
298 Studt Res
301 Cram Margt Mrs 834-4929
Testo Robt A 837-9563
302 Tedesco Charles A ◎
305 Meyer Dorothy J Mrs ◎ 832-4918
306 Reger Howard J ◎ 834-2707
308 Lee Richd J ◎ 835-5571
309 Golinski Jessie D Mrs ◎ 832-7241
★Voglmayr Christopher 83-7816
313 Studt Res
Studt Res
314 Kaminski Norbert A ◎
317 Bonvissuto Jerome J ◎ 837-4548
★Winkler Jeffrey
318 Lewis Clarice A Mrs ◎ 833-0817
321 Kraatz Mildred M Mrs ◎ 834-9492
Ruppert Dorothy M Mrs 835-0995
322★Santucci Jennie 883-2039
325★Boyes Jerry
★Lazarski Thos J 833-6166
326 Drescher Bertha Mrs ◎ 836-2313
Staebell Theo 832-7046
329 Maranto Carl N
Marlin Joseph R
330 Vacant
Vacant
333 Beasley
334 Studt Res
Dubuashi Izzeh ◎
337 Tryon Robt
Wilkes Victoria 832-4186
338 Geraci Anthony ◎ 838-6977
COMSTOCK AV INTERSECTS
346 Belter Gertrude W ◎ 834-0886
347 Niertit Frank 833-3203
Neiertit Thos ◎
352 Clark Wm J ◎ 833-7724
★Grasyk Robt
353 Collins Joseph P ◎ 835-0592
Schwab Kerry Ann 837-5825
355 Cicatello Leo D ◎ 832-4351
356 Mc Cracken Wm C Jr ◎
360 Link Grace I Mrs ◎ 836-5382
Meade Angeline Mrs 832-1018
361 Brady Dorothy C Mrs ◎ 834-7684
Roe Norman
364 Maniscalco Dominic ◎
365★Micillian Robt
367★Abraham Sidney ◎
368 Van Dick Raymond B Plumbing & Heating 834-4249
Van Dick Raymond B ◎ 833-0731
371 Bailey Michl ◎ 836-3338
372 Rudolph Grace A Mrs ◎ 833-5052
376 Schreiber Dennis ◎ 833-7962
377★Fredks John
380★Rigby Christopher
Roseti John A ◎ 834-5058
381 Brooks Nelson ◎ 836-6253
★Megaltiz Arlene
382 Guest Genevieve Mrs ◎ 832-3937
385 Studt Res
Polito Alfonso J ◎ 835-6436
386 Kiekbusch Kenneth C ◎ 837-4247
Young Marion Mrs 837-4245
389 Hughes Jesse ◎ 832-1786
390★Petcok Joyce
Maleja Vidis 837-1748
393 Kovacsi Gabor A
394 Guarino Peter ◎ 835-5251
396★Harkins Dennis E 833-4841
397 D'Anna Michl L ◎
399 Nisely Iva R Mrs ◎ 835-9150
400 Callanan Edith F 834-4940
Seubert Fred J ◎ 834-2214
403 Yager Thos ◎ 836-4426
404 Telaak Wm J ◎ 833-8791
405 Vacant
406 Zamojski Jacob F ◎ 838-4033
409 Vacant
Schwabl Marie M Mrs ◎ 834-9261
410 Schick Fred J ◎ 832-3409
413 Paduano Armondo F ◎ 833-2622
414 Hoeplinger Frank C ◎ 833-5473
415 Brooks David T
Meyers Thos
416 Allein Donald H ◎
417 Mc Cluskey Shawn N 837-2316
★Mc Fadden Dean
420 Kennedy Leon J ◎ 832-2515
423 Vacant
Zinnerstrom Charles E 835-9116
424 Whelan Raymond J ◎ 832-6326
425 Stankowski Eug P ◎ 833-9717
426 Causey James C Jr ◎ 834-1938
429 Jefferlone Annette A Mrs ◎ 835-9376
430 Trzcinski Barbara H Mrs ◎ 837-6835
432 Gmyrek Joseph C ◎ 833-4241
433 Heard Evelyn E Mrs ◎ 836-5792
443 Osika Gordon

192

BAILEY AV INTERSECTS
511★La Hut Mark
Scime John 834-7899
515★Laughlin Carmen 837-0954
517 Burnsekow Alice C Mrs ◎ 835-8279
518 Doze Alice E Mrs 834-0155
★Harris Jean
519 Schrader Sherill E ◎ 836-8704
522 Wallace Jean E Mrs ◎ 833-4748
Weisbeck Richd P
523 Ryker Harriet J Mrs ◎ 834-1676
524 White Florence F Mrs ◎ 833-7360
★Daly Frank
526★Baker Dorothy 833-2875
527 Cohen Mary V Mrs ◎ 838-3266
★Rahn Shelley 835-2322
530 Thomas Cath M Mrs ◎ 832-2081
531 Ruehl Margt R Mrs ◎ 837-2637
532 Wetter Isabelle M ◎ 834-9075
533 Pawlowski Theodore J ◎ 834-2827
534 Kiefer Edw P ◎ 833-4650
Goulding Charlotte A Mrs 833-1526
537 Kopfer Dorothy E Mrs ◎ 834-6113
538 Ruszaj Danl F ◎ 832-1828
541 Giancarlo Grace ◎
542★Doody Mark N 837-0018
543 Abate Mario 836-6457
Hunt Charles F ◎ 834-0395
544 Matis Marilyn E 837-6646
★Wells Roger
547 No Return
548 Giambra Sammy P ◎ 833-7040
549 Harold Alice Mrs ◎ 832-6804
Mc Caul John M 834-8114
550 Graze
★Green T
553 Santiano Herminio ◎
Aguilar Nila V 835-2330
554 Gibbons Harry E ◎ 834-4887
555★Schwartz Ronald ◎
★Hilburt Ellen
556 Fuller Wm J 834-4591
559 Leising Benj E ◎ 832-3327
560 Pirrung Joseph F ◎ 835-8008
562 Panus Edw S ◎
563 Galley Albert L ◎ 837-5127
Oshensky Stephania Mrs
566 Pawlowski Gary M ◎
Ziegler Dorothy Mrs 838-3433
567★Hawkes Wm K ◎ 835-5904
★James Ernestine P 834-4791
570★Mukerji Deep 836-7984
SUFFOLK INTERSECTS
577 Hadley John P
578 Trinka Clara N Mrs ◎ 832-0285
Pastore Grace M Mrs 832-3676
581 Moran Charles E ◎ 838-6928
582★Sivecz John J 837-8949
Nagel Kathleen M
583★Maloney Barbara Mrs ◎
584 Stone Margt I Mrs ◎ 832-2845
587 Herman Joseph B ◎ 838-5144
★Iadressin Toni
588 Santora Lawrence R ◎ 837-3650
589 Seaberg Genevieve L Mrs ◎ 834-3119
590 Zimmerman Geraldine ◎
593 Stafford Gloria B Mrs ◎ 837-3383
594 Hayes John P ◎ 833-6157
595★Brown Ann
Christie Carol Mrs ◎ 836-7854
596 Chiz Edw ◎ 836-8794
★Huang Jay G 838-1098
599 Mazuca Pascal V II ◎ 832-2619
600 Reder Edw A ◎ 832-0215
601★Reitz David W ◎ 836-6353
602 Tinney James M ◎ 837-5144
605 Jakubowski Robt ◎ 834-0233
606 Di Tallo John A ◎ 836-8415
Kadetz Lila
607 Studt Res
Studt Res
608 Maryanski Frank J ◎ 832-1966
611 Miller Raymond M 837-8812
612 Keating Lorne W ◎ 832-4194
614 Suraf Howard F ◎ 834-4496
615 Bowers Paul M ◎ 837-1302
Darrow Patricia M
617 Sabatino Bruce 832-6307
618 Keenan Richd 832-7749
Bowers Douglas A ◎
619 Jopek Rose E Mrs ◎ 834-2095
620★Dersam Harold 835-1683
★Freilick Scott L 836-7220
621 Becherer Clarence A ◎ 834-3948
622 Studt Res
625 Britting Kathleen Mrs ◎ 833-2488
Vacant
626 No Return
629 Ingerson Carol A Mrs ◎ 833-8075
630 Pastwick Patk H 837-0022
Scott Jean M Mrs 833-6879
631 Mancuso Rose C Mrs ◎ 835-7518
632 Jones Mamie L Mrs
Mayer Carl J ◎ 838-2545
635 Sauer Alice E Mrs ◎ 833-4429
636★Mc Gradie James ◎
638 Marshall Howard J
Patterson Alma Mrs 837-7642
639 Chapin Frank C ◎ 834-4882
640 Toellner Raymond F ◎ 834-3669
641 Sands Dorothy H 836-3113
Mercurio Margt A Mrs ◎ 836-7935
643 Tasman Morris ◎ 834-9796
644 Baginski Rita Mrs ◎ 836-1251
647 Benson Perry G Mrs ◎ 834-2775
648 Maile Anthony J Jr ◎ 837-1528
650 Robison Ethel M Mrs ◎ 836-7215
651 Harrje Herbert W ◎ 834-6276
654 Kaiser Alf M
655 De Grace Patk G ◎
★Cassidy Michl
656 Landgraf Geo A
Moffatt Mildred A Mrs ◎ 833-5234
659 Garwol Adeline Mrs ◎
660 Gonzales Paul M ◎ 836-5767
★Ames David 832-2637
661 Riga Paul J ◎ 837-8993
662 Ferella Ronald A ◎ 835-4387
665 De Palma Mary 835-8149
Welch Robt A ◎ 832-3028
666 Kaplan Samuel ◎ 836-4345
Stein Diane P 836-1617
667 Pocobello Lester G ◎ 837-5622
668 Crimi Anthony N ◎ 836-8637
671 Newkirk Carolyn
674★Knipfing Dennis M
675 No Return
ORLEANS INTERSECTS
684 La Salle Food Store delicatessen 834-2893
★Dahudoh Geo B ◎ 836-4795
No Return
685 Benkler Charles A ◎ 837-5525
★Sauer Robt A 833-0785
686 K & C Beauty Shoppe 832-6150
687 Vacant
688 Goulette Wm A ◎
689★Knoll Ellen 833-1443
Muscarella Vincent J ◎ 837-6903
690 Vacant
693 Schmitt Clara Mrs 834-3045
Heller Irma P Mrs ◎ 834-7263
694 Hewson Clifford E ◎ 835-7954
★Catania Mary
695 Krausen Evelyn R Mrs ◎
No Return
696 Colern Richd V ◎ 833-8159
Fry Margt Mrs 837-5384
699★Stagnitta Nancy
700★West Betty Mrs ◎
★Spampata Richd M 837-0883
701 Mussen Juanita J Mrs 834-4759
Sweitzer Ruth F 835-1288
702★Grant Lloyd D 834-0420
★Siccatello Emil ◎
705 Detlef Walter C ◎ 834-9072
706 Woods Helen M Mrs ◎ 836-4017
Brown Francis W 837-6604
707 Brassaw Lloyd L ◎ 836-5062

EXCHANGE ST 1975

EUCLID PL—Contd
43 Zokus Wm ◎
★Widrzyski Marian C Mrs 826-1732
44 Gorman Thos J ◎ 824-0798
45 Dixon John J ◎
Vacant
46 Gruver Ardath F Mrs ◎
49 Nowak Frances Mrs ◎ 824-1887
Faltisco Thos E
50 Hillyard Genevieve M Mrs ◎
★Hillyard Donald F
51 Doherty Thos J ◎ 822-5062
52 Norris Wm E ◎
55 Orluk Kath Mrs ◎ 824-7324
Hillyard Harold R Jr
56 Baran Jacob ◎ 822-0225
Horrigan Anna T 823-4650
58 Racki Anna Mrs ◎ 824-4636
60 Frankhauser Genevieve Mrs ◎
824-3402
ELK ST INTERSECTS

107
EUGENE ST —FROM DL&WRR NORTH TO 1500 KENMORE AV

ZIP CODE 14216
HINMAN AV INTERSECTS
20 Collopy Adelbert J 874-0665
21 Scoma Judith A Mrs ◎ 877-8026
24 Steffen Wm C ◎ 873-5284
25 Thomas Harry 874-0179
★Maritato Anthony J Jr 874-3594
★Pulvino L E 875-3865
Baker Stella J Mrs 875-0480
29 Brodzik Leon C ◎ 873-2344
30★Mote Leland K ◎ 875-1643
34 Reardon Marguerite M Mrs ◎
875-9692
35 Fish Eug H ◎ 877-1845
37 Raymondo Rosanne
38 Domagala Joseph L ◎ 873-2830
41 Toth Steven J ◎ 876-9047
42 Barabasz Charlotte L Mrs piano tchr
◎ 875-8994
RAMSDELL AV INTERSECTS
50 Pirri Benedict F ◎ 873-4430
51 Mc Grath Thos E 876-0506
54 Donovan Benj F ◎ 873-2826
57 Hilimon Norman A ◎ 877-1465
Kaletta John ◎ 873-8168
62 Kaman Anna B Mrs ◎ 877-5727
63 Griffin Robt T ◎ 875-0721
65 Van Houten Robt S ◎ 873-7626
66 Corica Michl J ◎
69 Bridger Edw J ◎ 875-3032
71 Vacant
KENMORE AV INTERSECTS

16
EUREKA PL —FROM 338 SYCAMORE NORTH

ZIP CODE 14204
14★Blackman Louise
15 Brooks Constance M Mrs 852-2578
★Robinson Kelly
Rear Keitz Wm F
16 Vacant
19 Mabley Alfred B ◎ 853-0217
Maidle Geo
23 Beckham Harry L 853-9503
Workman Rita 855-2930
Rear Peoples John
24 Vacant
25 Wright Mary J Mrs ◎ 853-4979
Pitts Wm 856-7692
27 Garner Frank 853-9215
Vacant
Garth Edw ◎
31 Flowers Florence 852-6235
Wright James
33 Brown Frances Mrs 852-5650
Flowers Frank 853-3841
37 Legree Ben F ◎ 856-6790
Chesnut Festus
40 Vacant
43 Vacant
Mathies Anna 853-5788
Perry Simon S 856-2348
44 Bryant Luther W ◎ 852-1797
46 Vacant
47 Carter James B ◎ 856-2338
48★Harris Richd*
Thompson Bertha Mrs 856-6595
57 Harris Nettie P Mrs
62★Perez Barbara
63 Vacant
65 Davis Maggie Mrs ◎ 856-6463
67 Jackson Bertha M Mrs ◎ 856-9539
GENESEE ST INTERSECTS

127
EVADENE ST —FROM 143 ENGLEWOOD AV NORTHEAST

ZIP CODE 14214
14 Saunders Richd J 836-1308
Rowe Dorothy J 836-0841
17 Lawson Thos S ◎ 834-8058
18 Studt Res
21 Haas Edw ◎ 835-6040
22 Lape Edw N ◎ 836-2980
25 Shivens Helen E Mrs ◎ 834-1734
26 Scherer Michl J 833-5587
★Gugino Florence
27 Vitello Ralph J ◎ 837-9848
Panuccio Carmen 837-9097
28 Failla Vincent A ◎ 838-1877
MONTROSE AV INTERSECTS

54
EVANSTON PL —FROM SIBLEY EAST TO JULIUS 1 SOUTH OF DOWNING

ZIP CODE 14220
14 Magro Dominick L ◎ 823-2125
17 Skotnicki Matthew M ◎ 825-1918
18 Shea Arth J ◎ 825-0511
22 Miranda Raymond S ◎ 824-0486
26 Terpin Jo Ann Mrs ◎
AUGUSTA ST BEGINS
29 Barry Eug J ◎
33 Cohen Richd M ◎ 822-2715
36★Abraham James A ◎ 823-1871
★Cogley Laird 824-8246
37 Frantzen Geo K ◎ 824-9575
38★Pluto Paul
Weir John K ◎ 826-3630
41 Gold Harlan H ◎ 824-3759
44 Sheehan Joseph M ◎ 822-1024
47 Mahar Kevin D ◎ 824-9815
50 Proctor Marilyn D Mrs
Alessandra Douglas J 824-8686
51 Johnson Richd A ◎ 823-7657
55 Hynes Joseph E ◎ 824-8684
58 Suto Beth 825-4338
Oliver Joseph A ◎ 823-1161
62★Bown Leman G 824-1041
Meteiski Mary D ◎ 823-8034
63 Lewitzer Arth C ◎ 825-1788
67 Szewczyk Gertrude Mrs ◎ 823-2850
Wirth Robt 822-5229
JULIUS ST INTERSECTS

83
EVELYN ST —FROM 329 ESSER AV SOUTHEAST

ZIP CODE 14207
11 Lukacz John ◎ 876-7715
Lumberg Sigismund J
15 Quick Kenneth S ◎
Mack Anthony C
19 Mersberg Lawrence J 877-5951
Bobish Sam ◎ 876-5285
20 Lier Robt M ◎ 873-3603
21 Praties Robt I ◎ 877-5780
26 Malaney Robt P ◎ 873-3546
27 Dobson Wm J ◎ 875-8564
30 Mac Lead Norman ◎ 873-0615
33 Gauthier Edw A ◎ 877-7230
34 Kollmar Donald L ◎ 873-0103
37 Hadaway Thelma Mrs ◎ 873-1044
38 Schmitt Ruth A Mrs ◎ 873-3676
41 Mc Vey Irene E Mrs ◎ 876-2640
45 Schmit Herbert F Jr ◎ 875-3324
46 Mock Alvin J ◎
49 Paris Steph R ◎ 875-6035
50★Gentila Delores 877-5454
Kristich Mary Mrs 876-8377
51★Hasbrouck Aug 873-0663
52 Kirschner Rudolph J ◎
54 Vukovic Joseph ◎ 876-6273
55 Ivancic Michl A
Kania Walter ◎ 873-4836
56 Brown Mary F Mrs ◎ 873-4006
57 Dressel Wm A ◎ 875-6727
Heckman Thos E 873-9684
58 Malast Helene ◎ 873-0698
61 Keeley Helen A ◎ 876-8527
62 Miklos John ◎ 876-1984
★Shaffer Sandra
63 Wood Leonard H ◎ 875-8690
64★Snyder Barbara
67 Cheman Aug M ◎ 877-1007
68 Beers Merle O ◎ 876-1304
69 Domaracki Frank J ◎ 875-3785
70★O'Sika John S 877-5707
73 Woelfle Sylvanus J 874-4825
Schultz Walter 877-2759
74 Taylor Roy B ◎ 873-8719
75★Lozinsky John 876-7015
76 Bartnik Walter J ◎ 877-6639
79 Valvo Leonard R
80 Baumgardner Gilbert H ◎ 875-1861
81 Morrison Flora Mrs ◎ 873-8121
82★Keudel Klaus ◎ 874-0859
ONTARIO ST INTERSECTS
115 La Marco Louis F ◎ 876-5142
116 Kollmar Gordon F ◎ 873-4042
Rear★Fedkowski Frank J 873-0841
120 Christer Alice R Mrs ◎ 875-3708
Nunemaker Villa 875-2720
121 Swain Vincent ◎ 875-6089
123 Yelenik Albert ◎
126 Martin Jackson J ◎ 873-2929
127 Matyus Gaza J ◎ 876-8775
128 Mahoney Frances J Mrs ◎ 875-9820
131 Mc Gee Anna M Mrs ◎ 875-1418
132 Sienicki Danl M 874-3588
133 Magyar Charles H ◎ 876-0069
134 Ekes George R
138 Murphy Nora Mrs ◎ 873-1135
139 Bogar Julia Anna Mrs ◎ 877-3785
140 Schihl James J ◎ 874-4336
144★Ceryak Louis ◎ 875-9041
145 Bourkney Gerhardt J ◎ 877-0849
146 Martin Anna Mrs ◎ 876-0241
149 Flading Charles E ◎ 873-0112
151 Reuillard Camille J ◎ 873-9101
153 Griffin Frances M ◎ 875-0494
PENN CENTRAL CROSSES

910
EXCHANGE ST —FROM FOOT OF OAK EAST

ZIP CODE 14203
WELLS ST BEGINS
158 Montgomery's Dan restr 852-9494
Montgomery Mildred Mrs
Harrison Herman
176 Central City Hotel 854-1309

MICHIGAN AV INTERSECTS

8
CHICAGO OVERPASS
ZIP CODE 14204
253 C W P D Inc (Terminal Ofc) 852-7063
LOUISIANA OVERPASS
ALABAMA INTERSECTS (NOT OPEN)
HAMBURG OVERPASS
ZIP CODE 14210
567 Whitney-Dickinson Seeds Inc
896-1111
PENN CENTRAL CROSSES
568 Heppner Rosemarie Mrs
Pickering Patricia
★Maxim Douglas
578 American Metal & Waste waste material 633-8429
596 Iroquois Door Co (Garage) 856-8144

36
586 Vacant
600 Vacant
659 Vacant
659 Iroquois Door Co sash & doors whol 856-8144
LARKIN INTERSECTS
669 Iroquois Door (Whse)
695 Iroquois Door Co (Whse)
VAN RENSSELAER OVERPASS
GRIFFIN BEGINS
(NOT OPEN BET GRIFFIN & SMITH)
SMITH INTERSECTS
800 Ethylox Products Inc (Whse) 852-2515
927★Setlock Edw
Setlock James
929 Hamerski Ignatius R ◎ 825-2917
931 Kobus Florence M Mrs ◎ 823-4565
933 Zak Eliz A Mrs
Manikowski Edw
ANDREW AL ENDS
936 Lummel Clarence E
937 Vacant
Vacant
Rear Vacant
938 Vacant
Vacant
★Lummel Clarence J Jr
939 Szyszkowski Edw J ◎
Rear Weber Velma M Mrs 822-0444
Rear Weber Robt 822-0444
941 Gottberg Regina 826-4547
Vacant
Rear Misiak Walter J 825-2875
945 Suchan Henry ◎
Vacant
SORDYL AV ENDS
949 Eschberger Rose
Vacant
Eschberger Patricia
951 Kline Beverly Mrs
Vacant
Martin Geo J
Rear★Paul Rebecca A Mrs
955★Bernards John F
Scott Betty R Mrs 826-8030
Rear Kicinski Edw M 825-3068
Rear Kicinski Chester T 825-2498
961★Stewart Gordon
Thornton
963 Breidenbaker Rosalie Mrs
Benes Wm 825-2042
965 Vacant
967 Vacant
Wilson
Vacant
De Jac Richd J
DAYTONA AL ENDS
969 Tirado John 824-4474
Kaye Doreen
979 Russell Charles A ◎
★Livsey Thos J 826-0787
981 Howard Norbert 822-4711
Kwaizer Chester ◎ 825-3139
983 Podgorny Bertha R ◎ 825-4655
Podgorny James E 826-1418
Kurcon John
991 Magretta Stanley L 825-2968
Vacant
SELKIRK ENDS
995 Babe's Bar restr 825-8940
Zielinski Charles W 825-3834
Szczepanik Edw A ◎ 825-8940
997 Starzynski Anthony W ◎ 822-8304
Starzynski Dorothy 825-3546
999 Kremblas Stella Mrs ◎ 826-1323
Rear Szejnar Eddie
Rear Nawrot Frank A 826-8855
1001 Minor's Tavern restr 825-9569
Minorczyk Helen Mrs 825-7491
Rear Lewandowski Stephen 825-2587
Rear Szczepanik Matthew E 825-1731

113
FAIRCHILD PL —FROM LINDEN AV NORTH

ZIP CODE 14216
1 Rieth Hermann 873-2154
Landel Pamela R 874-2590
2 Fortier Pauline D
Pelonero James P ◎ 875-9570
5 Miller Marie Mrs
Popko Helen D Mrs ◎ 875-5377
6 Mroz John H ◎
Puma Saml G
9★Hoegerle Heinrich ◎ 877-3255
10 Rosaitto Dominic A Jr ◎ 873-5971
Mecca Donald R 873-3480
15 Corcoran Eug P ◎ 873-1627
16 Ryan James E ◎ 877-7348
Ryan James M 876-6765
17 Sinti Antonio ◎ 873-0982
18 Chase Charles F ◎ 873-9341
Menig Phoena M Mrs 875-3450
19★Jackman Michl C 874-3833
Fitzgibbons Theresa I 877-7032
20 Ferrie Charles A 876-5373
Lauder Warren A ◎ 877-4689
23 Durick Ruth L Mrs 877-1297
O'Rourke Arth B ◎ 875-0028
24★Szurgot Reginald 876-3361
27 Gerace Carlo C ◎
Lakeman James 875-8944
28 Gantress Edw W ◎ 875-6281
29 Esposito Salvatore 873-7529
30 Onions Frances M Mrs ◎ 876-9772
TIOGA BEGINS
33 Moran Isabelle Mrs 876-8327
Wannemacher Nelson D ◎ 877-3877
37★Alfenbaum Fannie ◎ 873-2374
Snyder Lorette Mrs 877-8609
39 Zwolski Louise
Bucholtz Harold L ◎
40 Salerno Joseph T ◎ 876-7543
★Miller Eric G 877-3874
43 Rainero Matthew J
Girling Michl W
44 No Return
Haft Mary O 876-5824
45★Carlo Al
Tirone Stefano ◎ 873-7108
48 Pelonero Joseph ◎
49 Fontana Ada L ◎ 873-5745
52 Puma Albert M ◎ 873-2829
53 Martinelli Andre F
Belsito Josephine E Mrs ◎ 873-8907
54★Grubb Wm T ◎ 874-6674
57 Woodward Danl J ◎ 876-8820
58 Pelonero Louise A
★Pelonero Frances L
59 Smith Veronica L Mrs ◎ 873-0156
62 Grabenstatter Raymond C ◎ 877-1856
Anker Constance
63 Rose Genevieve ◎ 873-1554
65 Mierzwa Joseph S ◎ 876-4147
66 Strickland Benj
68 Yorko Anna Mrs ◎
DAKOTA BEGINS
69 Rockwood Leon S ◎ 876-8922
71 Carey Marie L 876-6088
Martin Veronica R Mrs ◎ 875-2840
75 Amoroso Rita M Mrs ◎ 875-1462
★Shotwell Mark
78 Polizzi Mariano C ◎
79 Liberatore Enrico T ◎ 873-7161
★Biro Steven
83 Clark Olive Mrs ◎ 877-2050
No Return
84 No Return
85★Sutliffe Ronald 877-0916
Cognato Peter ◎ 874-4984
88 Durning Paul D ◎ 877-1568
89 Kelleher Frances Mrs 877-6614
91 Audino Jennie S ◎ 875-4118
★Harvey Kevin 874-2175
92 Pelosi Frank R ◎
95 Pearl David J ◎ 875-2767
Stein Ida Mrs 877-6652
96 Robb Edw H ◎ 873-2146
Todd Dorothy G Mrs 873-4340
98 Boland Wm E 877-8241
Wilson Eileen M ◎ 876-8477
102★English Donald R 877-2817
HERTEL AV INTERSECTS
★Chilton Natalie J

115
FAIRFIELD ST —FROM 2516 MAIN NORTHWEST

ZIP CODE 14214
14★Weiner Warren
★Stein Andrew
16 Clarke Allan M ◎ 832-9833
18 Radice Anthony N ◎ 836-0069
22 Hellriegel Arth G ◎ 833-4605
24 Insalaco Lawrence 837-6745
Charnick Steven 837-3743
25 Steinbach Clarence H ◎ 836-8290
28 Taylor Jean Mrs 832-8650
★Weltz Cecilia T
34★Lew Fredk
Saccano
35★Fishman Robt ◎ 837-5279
Mc Isaac Edw W 836-6190
36★Ricigliano John C 838-4896
Runfola Carl J ◎ 834-4685
39 Russell Gordon A ◎ 832-5573
40 Vitrano Anthony ◎ 833-1357
42 Catalano Fabian C ◎ 835-0778
Catalano Fabian C Jr ◎ 834-3993
44 Giuliana Charles 834-7533
Protzman Paul 837-6582
50 Alf Anne L ◎ 833-1142
54 Berlinski Kenneth 838-6142
★Yorio Bruce 838-3469
ORCHARD PL ENDS
57★Zeppettello Sherry Mrs
Schooley Harry B 838-5387
58 Marks Violet M Mrs ◎ 833-9355
Rogers Thos A 835-2594
59 Ibbett Mona Mrs ◎ 837-8981
★Ibbett Brian B
60 Morley Fred 838-3362
Vacant
62 Student Residence
63 Tolkacz Mary M Mrs
★Donnelly Maria
68 O'Connor John E ◎ 832-4539
Hitchiner Dorothy E Mrs 838-1893
69 Riley Millard G ◎ 834-9152
70 Marillo Mary L Mrs ◎ 833-1353
★Mintus Marilyn Mrs
71★Bakos Michl J 835-1531
72 Galenti August S ◎ 832-1199
★Trifilo Bertha A Mrs 836-0582

HAMBURG ST 1975

HAMBURG ST—Contd
Rear Dray Ella L Mrs
226 Scinta Richd C ◎ 852-5651
228 Ryszka Stanley J ◎ 853-4876
Burke Michl P 852-3693
229 Marsh Charles H 854-2242
★Mitchell Charles F
Rear★Kibbe Ray
230 Baron Bernice Mrs ◎
Baron Edw J
231 Vrabel Julia R Mrs 852-5752
Cummings Frank E 853-1614
Rear Bauer Charles 855-0051
233 Padilla Theresa Mrs
★Rodriquez Celia Mrs
Vacant
Rear★Bataglia Barbara 855-2321
234 Ackerman John H ◎ 852-1241
236 Zemko Julia ◎ 852-6609
SOUTH PARK AV INTERSECTS
264 Vacant
265 Franczyk Joseph E 856-9027
Kubiak Stanley F 852-3958
266 Evans Thos A Jr ◎ 855-2850
267 Hayes David J ◎ 856-2697
★Nenan Thos T 856-2453
COATSWORTH AL ENDS
269★Dingledey Eliz A 852-5189
Trala
271★Shea J Robt ◎
273 Wilson Mary M Mrs ◎ 852-6256
274 Evans
275 Evoy Maria E Mrs
Gasper Frank
279 Webb Joseph T
281 Bermudez Jesus ◎ 854-1656
★Stone Mildred Mrs
FULTON INTERSECTS
289 Perry Center delicatessen 852-2071
Lawson Harold 854-6406
★Sero Donna Mrs
291 Edwards Thos R ◎
293 Drew Connie T Mrs ◎ 853-2127
294 Apartments
1 Maloney Wm J 854-0075
2 Mc Girl John J 855-3395
3 Wright Rosemary A Mrs
4 O'Donnell Esther Mrs 852-4103
5★King Verdia M
6★Fonder Scottie
295 Kozlowski Walter F ◎ 856-4905
Kozlowski Matthew ◎
297 Tuzzalo Anthony F ◎ 853-3789
★O'Connor John
298 Apartments
1★Sarwaab Akram
2★Zwelling Gertrude L Mrs 853-4690
3 Sikora Mary Mrs
4 Gardner Ethel 856-1088
5 Rudyk Sophie 856-2291
6 Davis Irene R Mrs 856-0119
312 Apartments
1 Vacant
2 Brown Saml 855-2611
3 Fiarelli Joanne
4 Silver Frances E Mrs
5 Spearson Geo 852-5041
6 Gross Ruth Mrs
316 Apartments
1 Jackson Rich D
2 No Return
3 Dalton Victoria R Mrs
4★Seda Nelson A
5★Rodriques Juanita Mrs
6 Bronaugh Ruth M Mrs 849-0756
PERRY INTERSECTS
330 Apartments
1★Wright Helene 855-0362
2 Caldwell Dessie G Mrs 854-5520
4 Williams Nellie Mrs
5 O'Donnell Edw T 854-0434
6★Hecklin Lilie Mrs 847-2625
333 No Return
334 Apartments
1 Bennett Esther Mrs 852-4894
2 Reiman Herbert C 852-3991
3★Graham Mildred E Mrs 856-3035
4★Knapp Wilbur 855-2206
5 Vacant
6★Brown Bernard
LEHIGH VALLEY RR OVERPASS
SCOTT INTERSECTS
365 Mart Brokerage Inc 852-2673
Dubuque Packing Co meat packing 852-2446
Merchant Shippers domestic truck line 854-1210
367 Clecon Inc (Eastern Br) die ctrs fabricators 852-0490
Michael Bedding Co mfr bedding 853-2158
Plibrico Sales & Service Co incinerators 852-6600
369 Trautman Wm R Associates consulting eng 856-4545
374 City Sewer Authority (Pumping Sta) 854-2215
PENN CENTRAL UNDERPASS

8

EXCHANGE UNDERPASS
CARROLL INTERSECTS (NOT OPEN)
PENN CENTRAL CROSSES
SENECA INTERSECTS
505 A & P Food Stores (Bakery Div) 826-6100
MYRTLE AV INTERSECTS
519 Acme Corp (Distribution Center) 853-2016
SWAN INTERSECTS

91

HAMILTON ST —FROM NIAGARA RIVER EAST TO 302 TONAWANDA

ZIP CODE 14207
ft Rich Marine Sales Inc 873-4060
DANN ENDS
9★Chase Charles
NIAGARA INTERSECTS
33 Wojcik John J ◎ 873-2104
41 Hewson Josephine Mrs ◎ 873-6295
Kaeppel Edith Mrs 876-2679
43 Stickl's Bakery 873-9660
★Stickl Peter
DEARBORN INTERSECTS
61 Mock Kenneth D 874-1820
62★Elersie Patk
67 Sutton Will Studio 874-4835
Sutton Will 874-4835
68 Ulanowski Irene Mrs
Zorich Mary ◎ 877-7690
69 Laskay Charles ◎ 877-2306
EAST INTERSECTS
85 Vacant
86★Woodward Pearl
Hellerer Terrance
Rear Vence Louise K Mrs 875-6364
87 Barton Edw S ◎ 876-1981
Rear Barton Edw G 877-1129
89★Betler Eliz 873-2391
Rogacki Edw L 876-4313
Rear Vacant
90 Rinus Donald P ◎ 873-9461
91 Vacant
Rear Howard Bert S Jr ◎ 875-2980
92 Bogdan Paul R 876-0212
Kocsis Louis 875-4587
93 Hoch Albert J 875-0173
95 Jankowski Joan Mrs 876-7571
96 Bernhardt Nicholas M ◎ 876-1497
★Bernhardt Michl N 866-1497
HOFFMAN PL BEGINS
ST FRANCIS PL ENDS
100 Dietz Virginia L Mrs 874-2364
Richard Lloyd R ◎ 875-8759
101 Vacant
Sieber Michl M ◎
105 Steffan Oscar A ◎ 873-1626
Becker Geo R 875-9662
Gilbert Kath A Mrs 875-3263
107 Becker Albert J ◎ 873-1762
Schafsteck Rita E 875-5953
108 Guzowski Wallace W ◎ 877-1881
110 Sundy Kenneth B ◎ 875-6234
Lineback Margt Mrs 877-5689
111 Ailinger Richd 876-4575
Vacant
113 Vacant
114 Soock John R ◎ 875-1769
Czajkowski Mark
Ianello Diane
115 Vacant
116 Sieber John F 877-8047
Clarke Clara M Mrs 874-2568
★Barone Shirley D
Durners Ella 876-0553
★Mc Gregor Robt
★Frayne Thos 875-5643
119 Illig Frank ◎
THOMPSON INTERSECTS
132 Zimmer Harold H ◎
136 Mussall Ollie Mrs ◎ 873-4588
★Casey John A
142 Rathke Raymond
144 Danczak Michl ◎ 874-0022
Muir Robt 874-1954
GORTON INTERSECTS
152 Dalton John W ◎ 877-0326
158 Hermann John ◎ 875-4839
TONAWANDA INTERSECTS

156

HAMLIN RD —FROM 107 LONSDALE RD EAST

ZIP CODE 14208
2 Porter Edw C ◎
Davis Mary 882-6373
5 Boyd Andrew O ◎ 881-0706
6 Ruffin Jacob C Rev ◎ 881-1589
Ruffin Barbara
9 Vacant
10 Scott Charles E ◎
11 Olden Frank ◎ 885-6923
14 Stocks James ◎ 882-4234
★Perkins Charles T
17 Robinson Levorn ◎ 883-6530
18 Holmes Robt L ◎ 882-4002
19 Williams Hubert H ◎ 886-1132
20 Howe Willa K Mrs ◎ 884-4163
★Bowers Bud S 881-2147
24 Perry Viola M Mrs ◎ 885-9224
25 Allen James ◎ 886-5454
27 Robinson Robt L ◎ 883-9927
28 Porter Jimmie Jr ◎ 883-7732
31 Daughtry Robt ◎ 885-5426
32 Wilson Marcellus C ◎
35 Washington John C ◎ 886-6749
36 Goodwin John T ◎ 881-5077
37 Lyons Norman B ◎ 884-9450
38 Duke Donniezel B Mrs ◎ 883-6722
41 Dixon Joseph R ◎
42★Harland Emma M Mrs ◎
45 Gross Danl J ◎ 885-2588
46 Hilliard John T ◎ 884-7768
49 Brown Carolyn
50 Lomax Oliver A ◎ 882-4032
53 Donmore Kenneth E ◎ 886-8315
54 Talley John E ◎ 882-0397
55 Johnson Curtis ◎ 882-6850
56 Gilmore Marjorie S 881-5433
59 Davis Willie F ◎
★Grimes J L Jr 881-0047
60 Smith Leo ◎
64 Montague John S ◎ 883-2726
65 Smith Jeannette M Mrs ◎ 882-8424
67 Allen Wm ◎ 885-5570
68 Sams Clarkson M ◎ 883-5087
70 Greene Thelma L Mrs ◎ 885-9346
71 Wyatt Maynard N ◎ 882-6446
73 Mitchell Eric ◎
74 Gill Fredk ◎ 882-8478
77 Whitted Andrew E Rev ◎ 883-4818
78 Fogan Bee A ◎ 882-5579
81 Peterson King W ◎ 882-5992
82 Disney Clarence E ◎
85 Hall Thos B ◎ 883-8540
86 Greene Prudence R Mrs ◎ 885-2708
Greene Irving J ◎ 883-7726
89★Olive John ◎ 886-0388
90 Brinkley John W ◎ 886-6658
93 Hollins Wm B ◎ 882-0145
94 Dabney Oliver J ◎ 886-7847
97 Threet Ralph S ◎ 883-7253
98 Shaw Robt C ◎ 885-8356
101 Johnson Horace C ◎ 885-8814
102 Blassingame Wm A ◎ 883-7345
104 Bennett Harold T 886-6589
Atkins Harold S ◎
105 Townsend James N

138

WOHLERS AV INTERSECTS
114 Day Elroy L Rev ◎ 883-3007
115★Gray Devilus 881-4840
117 Mc Call Landen L ◎ 883-7117
Dunovant Sabrina 883-7422
118 Hardy Herbert T ◎ 886-6292
121 Banks Ella L Mrs ◎
122 Sawyer Charles ◎ 882-8556
125 Anderson Robt W ◎ 886-5079
126 Scott Theo A ◎ 886-5219
129 Chapman Charles A ◎ 884-2504
130 Mc Garrah Charles ◎ 883-1688
133 Pitts Henry J ◎
134 Jones Thos J ◎ 882-9628
137 Bailey Fannie W Mrs ◎ 882-7550
138 Johnson Wm H ◎ 884-4943
139 Fisher James L ◎ 885-0045
142 Taylor Willie Mae Mrs ◎ 886-1376
143★Butcher Leon ◎ 886-2980
144 James Mattie B Mrs ◎ 886-1817
147 Johnson Alf Jr ◎ 884-3150
148 Ramey Wm R ◎ 885-5958
151 Kemp John C ◎ 886-6198
152 Mayfield Geraldine R Mrs ◎ 883-1293
155 Moore Ernest ◎ 886-6380
156 Watkins Edna A Mrs ◎ 883-5756
159 Curry Robt S ◎ 882-0829
160 Arnett Wm H ◎ 884-5768
163 Dickson Abe ◎ 884-5512
164 Hairston Richd 886-4111
167★Hernandez Marion
168 Rainey Earline S Mrs ◎ 882-8408
171 Dukes Curtis O ◎ 884-8518
172 Curry John R ◎ 882-1704
175 Peoples Wm E ◎ 883-0610
178 Simpkins Mitchell ◎ 886-4248
179 Johnson Theo
Washington Ruth E Mrs ◎
182 Hardiman Winton J ◎ 886-5051
183★Burnett Willie G 884-3105
184 Traylor Jean L ◎ 883-1910
187 Dow Effie B Mrs ◎ 884-7896
188 Stenhouse Edw J ◎ 882-6807
191 Marshall Milton M ◎
192 Hinson Wm C ◎ 883-1589
195 Jackson Emil A ◎ 882-8762
196 Pelham Charles ◎ 883-3250
199 Smothers Moses H ◎ 885-6130
202 Blackford Dolores B Mrs ◎ 885-5141
203 Thomas Judson ◎ 885-5623
204 Giles Clyde L ◎ 886-2196
207 Woodard Edythe E Mrs ◎ 882-2452
210 Curry Kenneth S Rev ◎ 883-2714
HUMBOLDT PKWY INTERSECTS

42

HAMMERSCHMIDT AV —FROM NORTH LEGION DR NORTHWEST

ZIP CODE 14210
24 Insera Joseph P ◎ 825-3309
Andres Robt J 824-8725
25 Menno Laura Mrs ◎ 825-4571
28 Marinaccio Nicholas J ◎ 824-9115
29 Balkin Edw G ◎ 822-3173
Leuer Norman E
32 Balicki Charles ◎ 824-3222
Lever Corneilius
35 De Carolis Paul V ◎ 824-6817
Mack Francis W 822-7799
38★Cramer Linda
Szczur Richd L
39 Ferilli Ralph G ◎ 824-9094
Riley Charles M 824-3039
40 Mergenhagen Fritz J 822-6820
Wolf Ruth V ◎ 822-2650
42 Gerrity Wm F ◎ 824-8593
Rauls Julia Mrs 822-8766
43 Flanagan Paul ◎ 825-0778
44★Kester Kathleen B
★Brown Howard
45 Moden Ralph J ◎ 825-2387
48 Doney Harold V ◎ 822-2349
Dietz Eva E Mrs 823-5388
49 Schamann Jeanne Mrs ◎ 824-2034
52 Walleshauser Rose E 822-3982
53 Hale Thos D ◎ 826-3395
54 Chretien Robt J ◎ 822-7592
55 Mc Gowan Robt F 824-9284
59 Garner Margt A ◎ 822-4489
60 Moriarity Joann Mrs ◎
Breen Martin 822-5060
63 Burger Lucille Mrs ◎ 824-8895
64 Pawlowski Rudolph B ◎ 823-7952
65 Mahoney Wm P ◎ 824-4094
68 Holts Leon C ◎ 824-7783
Vacant
69 Stulack Robt S ◎
72 Rosowicz John
Rosowicz Alice H Mrs ◎ 824-4776
73 Creahan Thos P ◎ 826-2075
76★Lizak Thos ◎ 826-3272
Riley Mary R Mrs 822-1004
78 Mullen James V ◎ 824-0872
79 Thompson Gene L ◎ 823-4102
80 Rule Janet E Mrs 824-3537
★Lee David
83 Renowden Joseph E ◎ 824-5831
84 Vastola Anthony 822-4373
85 Jurecka Helen P ◎ 825-5405
Vacant
88 Caldarella Nicholas A 823-9693
Vastola Dino ◎ 825-5949
89 Swanson Ruth 824-3248
90 Manka Francis J ◎ 824-3970
Manka Michl J 826-5824
91 Keller James S ◎ 825-7305
95 Papke Wm F ◎ 824-8053
Vacant
96 Fullone Vincent J ◎
★O'Hara Frank
97 Vohwinkel Howard R ◎ 824-4974
99 Vacant
Vacant
100 Rondinelli John ◎ 823-7159
Rondinelli Peter
103 Dixon Theresa M Mrs ◎ 824-9297
Breen John 822-7936
104 Koch Robt C ◎ 823-1573
Rehrauer Wm
105 Wilkey Frank J ◎
108 Neaverth Francis J ◎ 822-7123
Whalen Gerald T 824-5984
SENECA INTERSECTS

51

HAMPSHIRE ST —FROM 959 BUSTI AV NORTHEAST

ZIP CODE 14213
NIAGARA ST INTERSECTS
32 Lauria Thos ◎ 882-7445
★Spallino Peter C 886-0721
Gentile Vincent 886-3990
33 Mohr Barbara A 885-9413
★Young Ann L
★Comstock Elton E 884-1988
35 Virginia Auto Hospital auto repr 885-2070
36 Adamczyk Casimer 884-0282
Notto Arth E
36½ Czenszak Robt 884-7751
Ruggiero Irene
37 Kuster Amelia Mrs ◎ 884-1730
★Goodwin Danl 881-6415
39 Irti Vito ◎ 883-1927
Damiani Wm 886-6717
45 Falzone Peter 886-4174
★Dilivio John
PROSPECT AV INTERSECTS
61★Oppel Barbara 886-7523
63 Inman Iona B 882-6732
65★Wallworth Lawrence W 881-6024
66 Green Carole
68 Vacant
70 No Return
71 Pidanick Frances Mrs ◎ 883-6583
Dulak Thos J 886-1469
72 Hagerdorn Geraldine
73★Supples Michl J
Shaw Mark
74 Caito Anna Mrs ◎ 882-2019
75 Insalaco Nicholas F ◎ 886-7364
78 Strzeszynski Doris 881-3514
Sciandra Carmelo ◎ 885-9143
79 Litalien Lenore A Mrs ◎ 883-0714
81 Grosso Benny ◎ 882-0822
D'Addario Gerald
Femmenino Carmela S 883-7553
82★Beiring Geo
Merlo Russell
83 Vacant
★Huccio Richd 885-2585
84★Galioto Jane
85 Vacant
Temperato Anthony F ◎ 882-0125

YOUR DIRECT LINE TO NEWS WANT ADS 856-5555

TP	Adjoining	Source
-	✓	R. L. Polk Co.

LARKIN ST 1975

LANGMEYER AV—Contd
20 Lasker Eliz M Mrs ◎ 895-4760
Carrigan Milton T 893-7897
21 Gress Robt ◎ 896-3937
22 Giallombardo John J 895-0291
Jankowski Helen Mrs
23 Studt Res
★Luscom Gordon C
24 Beauregard Robt R 895-8040
Wright Charles
25 Butz Bertha Mrs ◎ 893-5374
26 Bykowski Bernard B ◎
Hojnowski Pauline C Mrs 895-2544
27 Grau Mary E ◎ 892-1697
28 Deinhart John G ◎ 894-5374
29 Howatits Gabriel ◎ 894-1787
Yates David 895-5167
33 Marks Raymond N ◎ 892-8688
34 Grocke Leonard C ◎
35 Gruber Wilbur F ◎ 893-9205
Vacant
36 Cooper Wm F 895-9541
Dannheim Edw 894-1531
37 Balk Casper J ◎ 893-6339
38 Smith J R Antennas Co Inc 894-1147
Smith James R Jr ◎ 894-1147
Smith Martha Mrs 893-9245
40 Santora Carl J 896-6863
Kempf Robt 895-2002
43 Vacant
Cliff Anna Mrs 894-2412
45 Czilli Edw ◎ 896-0750
46 Mc Manus Cath J Mrs ◎ 895-9471
Zoeller Robt W 895-6761
47 Wright Clara F Mrs ◎ 893-2735
Endres Margt A Mrs 894-8610
50 Reinard Henry C ◎ 894-8124
51 Cegielski Thos D ◎ 897-3559
★Mc Cormick Bradley 892-9950
52★Reeves Carol 891-8128
★Lewis Laura L 891-8767
53 Scali Joseph L ◎ 895-7939
Vacant
54★Heitman Kent A 897-5074
★Terry James 897-3468
57 Russell's Service vacuum cln 892-2577
Garrold Russell H ◎ 892-2577
Deboy Eliz L Mrs
58 Purcell Wm J ◎ 895-5763
59 Vacant
60 Hover Mary J Mrs ◎
Hover Michl 892-4849
61 Pitz Wm L ◎ 893-2283
Smith Mae B Mrs 892-4407
62 Mashanic Robt F ◎ 895-9602
64★Brown Thos
Halor Zigmund L 893-0108
65 Scibetta John J
67 Ott Jerome V ◎ 894-7300
68 Zoeller Gordon 894-8574
Klemp John 892-5192
★Klemp John D 892-5192
69 Diorio Judy M 896-1990
Stanley Paul L ◎ 893-5684
73★Sawulak Michl T 897-4163
Contact Kath E Mrs ◎ 893-0111
74★Leff Danl 892-1572
Ryan Daniel J ◎ 895-3444
75 Mecca Danl J ◎ 897-1435
76 Powalowski Walter J ◎ 894-0724
Colosante Florence D Mrs
80 Mordino Joseph G ◎ 893-4157
★Degweck Joseph M 893-6023
81 Gomlak Irene B Mrs ◎ 894-3247
BAILEY AV INTERSECTS

108
LANSDALE PL —FROM 451 KOONS AV EAST

ZIP CODE 14211
11 Knaier Emerson C ◎ 894-4766
13 Maziarz Rosemary ◎
Vacant
RUSTIC PL BEGINS
19 Murawski Clara A Mrs ◎ 893-7715
Imbierowski Eug 896-5065
23 Banks Sophie Mrs ◎ 893-6325
Murray Lucille 892-0175
25 Grace Albert T ◎ 893-5369
Schneider Cath C Mrs 893-2607
Rear Klingbeil Emily V Mrs
27 Nailor Jessie Jr ◎
29 No Return
35★Weary Robt 891-8798
★Gordon Fern R Mrs
39 Jones Auston
41 Best Wm ◎ 896-0453
43 Walker Kenneth J ◎ 896-0966

95
LANSING ST —FROM 22 JOSLYN PL EAST

ZIP CODE 14207
11 Panowicz Richd 877-5323
Kopec Robt L
15★Cowell Wm
Saramak Henry L ◎ 873-9559
17 Klemowski Zigmund ◎ 876-8167
19★Ruisi Viola
Appenheimer Linda A Mrs 876-6463
21★Stein Linda 873-7850
Revell Arth
26 Oddo General Machinery Co Inc 874-4121
Niagara Dairy Products 873-4730
Vacant
MILITARY RD INTERSECTS

52
LARABEE ST —FROM 53 HOPKINS EAST

ZIP CODE 14220
9 Master Collision 826-2757
12 Vacant
16 Vacant

127
LARCHMONT RD —FROM 35 UNIVERSITY AV NORTH

ZIP CODE 14214
7 Lucitt Danl J ◎ 835-1228
9 Danner Mary F ◎ 834-5269
11 Cataldo Jerry F ◎ 835-5299
15★Ingersoll Patricia Mrs ◎ 837-1434
21 Mc Groder Patk J ◎ 833-2177
22 Brooks James L ◎ 834-1565
25 Murphy J Bert ◎ 833-4726
26 Barry David E ◎ 837-8542
27★Donahue James E 837-5480
30 Mc Isaac Robt J ◎ 835-3324
35 Bentley Florence S Mrs ◎ 834-0702
36 Salczynski Joseph E ◎ 836-7917
RADCLIFFE RD BEGINS
39 Muscarella Salvatore ◎ 834-9426
43 Berg Floyd H ◎ 833-3747
45 Mayer Dorothy M ◎ 833-9325
49 Koenig Peter W ◎ 837-3068
53 Head Alan S ◎ 832-8852
57 Lamparelli Rocco A ◎ 835-5322
61 Kelly John J ◎ 834-0686
65 Dowd Kenneth C ◎ 832-7026
69 Lockwood Merle E ◎ 833-5612
73 Mihich Enrico ◎ 832-5757
BELLEVUE AV INTERSECTS
81 Young Robt D ◎ 834-8087
82 Forman David G Jr ◎ 836-4695
87 Mc Mahon James R ◎ 835-2743
90 Diem Gerald B ◎ 834-8225
91 Farrell Frank A ◎ 832-4011
93 Grimm Carl C ◎ 832-1454
94 Christopher Geo C ◎ 833-6564
98 Krystaf Gregory W ◎ 832-8071
99 De Laney Arth W ◎ 835-4849
102★Lamantia Steph R ◎ 836-2382
103 Wanner Richd A ◎ 832-8952
104 De George Paul ◎ 836-1367
108 Hays Joseph F Jr ◎ 834-1079
109 Csonka Albert B ◎ 833-3122
112 Daigler Roman J ◎ 834-3709
115★Rikula Ronald E ◎ 838-5841
116★Greenberg Heshel ◎ 837-2320
117 Morrissey Franklin J ◎ 832-7186
121 Hennigan Patk T ◎ 836-6460
KENMORE AV INTERSECTS

120
LARK ST —FROM 28 SIDNEY NORTH

ZIP CODE 14211
14 Henderson Abbie ◎ 895-6133
Freeney Warren
15 Green
Green
16 Vacant
Terry Isiah 892-7662
17 Martin Eula Mae Mrs ◎ 893-7621
19★Thorpe Dawn B Mrs
★Rickerson A
20 Jones Darinda
Brooks Cath I
Vacant
★Parks L Marie
21★Brooks Fredicia ◎ 894-9489
Williford Charles 894-2908
22 Dean John ◎ 892-0675
Durham Jesse Jr 876-3830
25 Pitts Eug ◎ 894-6011
Vacant
26 Thompson Fred ◎
29 Hopson Howard ◎ 892-4570
★Adams Joseph
30 Mathis Jessie J ◎ 894-0060
★Lawrence Kath Mrs
31 Gardner Willie J ◎ 893-8875
Kemp Helena E Mrs 896-1926
32 Henderson Ann Mrs ◎
No Return
35 Brewer Otto ◎ 895-4762
Drake Thos 894-6002
36 Hinkle Plez ◎ 893-6094
Singletary Alward ◎ 896-0406
37 Vacant
Rear★Gwyn Louise Mrs 892-9042
38 Brown Robt L ◎ 892-4710
★Kelly Edw
40 Hord Wm A ◎ 893-0679
Scudder H
41 Vacant
Vacant
43 Burnett Sylvester
Vacant
44 Bellamy Carl L ◎
★Gambler Charlotte Mrs
47 Gray Leroy ◎
★Crowell Carrie M Mrs 894-6439
48 Cooper Emanuel C ◎ 896-0996
★Long Patricia Mrs
51★Moore Randy
Moore Wm W ◎ 891-2916
52 Gist Joseph N ◎ 896-3614
Johnson Norma E Mrs 895-0087
53 Tarabula Julia T Mrs ◎ 892-7006
Parker Marion Mrs
55 Swartz Eliz C Mrs ◎ 894-3473
56 Waker Edgar ◎
58★Hatdorf Alzonia
Bryson Anderson 897-2934
★Booker Alex B
Vacant
62 Gibson Laura J ◎ 897-4933
Hokes Anna Mrs
Rear Vacant
74 Scott Roosevelt ◎ 894-9358
75 Dusyn Carl S ◎
76★Gibson Gloria ◎
77 Vacant
78★Hutchenson Effie
79★Torres Michl
Vacant
81 Hannah Wm
Duffy Donna
82 Vacant
Rear Denler Sheet Metal Inc 893-6706
83★Rhines Warrine Mrs 895-6505
Bradley Shirley Mrs
84★Johnson Wyuonnia Mrs ◎
85 Lee Rufus ◎ 895-9326
Williams Edw 895-0980
NORTHLAND AV INTERSECTS

36
LARKIN ST —FROM ½ BLK SOUTH OF ROSEVILLE NORTH TO SENECA 1 WEST OF VAN RENSSELAER

ZIP CODE 14210
189 Misiak Peter J ◎
Misechok Steph 852-8088
197★Sarama Carol
Hosikawski Ilene 855-3379
205 Donohue Josephine 853-8565
207★Vaion Rose 847-8891
209★Millen Gwen
211 Cochran Arth E ◎ 856-7910
Horn Richd Jr 852-6090
215 Vacant
ROSEVILLE BEGINS
241 Harbison Walker Sales Co (Warehouse) 854-0136
EL RY CROSSES
EXCHANGE INTERSECTS
290 Sam-Son Distribution Center Inc public whse & distr 853-3500
Vacant
293 Vacant
309 Vienco Inc retail beauty supplies 856-5446
312 Vacant
315 Vacant
SENECA INTERSECTS

200
LASALLE AV —FROM 3025 MAIN EAST

ZIP CODE 14214
15★Bell Jerome 838-1425
25 Kumar Virendra 833-2818
★Irwin Ronald E 837-1306
29 Uizzi Vincent J ◎ 836-8333
★Downie Wm
33 Irwin Beauty Salon 836-3379
Irwin Mary Mrs ◎ 836-3379
★Byerly Bob 837-8610
36 Earl's Recovering Service uphol 834-6884
Anton Earl A ◎ 834-6884
37 Busch John A ◎ 837-3451
★Heyer Henry C
39 North Main Lumber Products Corp (Whse)
40★Bednerz J
Vacant
Cook L
45 Studt Res
48 Cook Nellie A Mrs
Shaw Thos G ◎ 835-1037
49 North Main Lumber Products Corp 833-4444
52 Pelczynski Wm W ◎ 837-8159
56 Kent Donald G ◎
60 Roof Paul M ◎ 832-3011
70 Holiday Lodge (Model Cabins)
73 Neville Gregg Lumber Co Inc industrial pallets & skidders 834-3038
74 Schlaraffia Bisonia Inc club 836-9768
75 Neville Gregg Lbr (Addn Space)
78 Fillinger Joseph M ◎ 836-3187
Gearin Wm J 833-2953
80 Schenk Carl G ◎ 834-6091
Rear Knausdorf Frieda Mrs 833-5741
83 Waldheim Iron Works Inc 833-6520
89 W U F O Radio 834-1080
92 Stehlin Victor 835-4725
Rugonfalvy Karoly J 837-7825
Fuss Edith H 833-9765
Currie Ian D 836-1899
98★Plumb Nancy
Zimmett Geo P ◎ 833-0653
100★Falise Max
Di Franchesco Deigo ◎ 838-5638
106 Healy Robt W ◎ 838-6239
110 Warning Florence E ◎ 833-1288
114 Koch Katie I 833-9362
Egner Esther L 834-1211
Bienas Dennis J
Smith Antoinette J 834-7129
115 Courier Cable Co Inc cable telev sls 837-0256
CORDOVA BEGINS
126 Schupbach Patricia A 837-2589
Beye Robt W 835-0806
127 Korzelius Wm J ◎ 835-5481
128★Charest Paul 836-5752
Trapper Dennis J 838-5324
130 Martin James A ◎ 835-6268
131 Gundy Jerome ◎ 832-1543
Sainsbury Mildred O 833-7469
134 Ballard Neal A ◎ 837-9148
135 Coon Esther C Mrs ◎ 835-4963
137 Wagner Russell G ◎ 834-0842
Flemming Edwin G
140 Zielen Robt E 832-1527
Kruger Carrie E Mrs ◎ 832-1527
141 Wilken Jessie M Mrs ◎ 835-6709
142 Nowakowski Chester C ◎ 836-6153
148★Dillenbeck Cath 837-4699
152 Di Nardo Leo ◎ 834-2709
153★Gati Robt
154 West Ida R Mrs ◎
Edwards E Orlena Mrs 832-9321
155 Duncan Albert N ◎ 832-6708
Percy Alice D 832-2592
157 Frost Harlan M Rev ◎ 833-7653
158★Butler Timothy 838-6341
Hawes Herbert C ◎ 833-9938
162 Meyer Melvin A 833-6530
Meyer Joanne ◎ 837-8222
163 Hughes Kenneth W ◎ 833-1171
166 Koelemeyer Peter ◎ 835-2110
167 Draper Geo E ◎ 833-8173
169 Wise James R ◎ 835-9280
Abeling James H 832-8289
RANGE AV ENDS
172 Smits Cornelius G ◎ 834-9546
176 Moleski Donald J ◎ 833-3270
Mc Laughlin Kathleen A 836-2241
177★Wachowicz James R ◎ 833-8085
180 Stevenson E Allen ◎ 832-1020
181★Hornung David A ◎ 837-1028
185 Moser Joseph D ◎ 835-7180
Byrnes Thos P 834-4980
186★Lucci Rocco A ◎ 832-1473
188 Wenger Elsa G Mrs ◎ 832-5522
189 Evans Anna W Mrs ◎ 835-1687
Vacant
192 Wenger Edna L Mrs ◎ 834-8884
193 Rote David M 838-4936
Ulrich Alice E Mrs ◎ 833-8896
196 Schoolmaster Margt H Mrs ◎ 832-4726
Strauss Geo V 832-8065
197 Trexler Helen B Mrs ◎ 832-1042
Wray Helen M Mrs 836-7772
200 Ippolito Charles J ◎ 832-2550
Chimera Mary H Mrs ◎ 832-8035
201 Favre Jean W Mrs ◎ 834-1315
204 Reger John J ◎ 832-5164
Spinuzza Russell A ◎ 834-1216
205 Seitz Homer R ◎ 832-7449
208 Meyer Frances A Mrs ◎ 834-0900
209 Aronica Leonard T ◎
211 Harkins Francis T 832-8642
Love Mary A Mrs ◎ 832-0109
212 Bartolotta Salvatore C 835-1678
Winter Paul F ◎ 835-8610
216 Smith Shayn S
217 Milo Frank
220 Benjamin Edw ◎ 834-9319
★Ermer Joseph F 837-7515
221 Lyba Peter ◎ 835-1092
224 Carland Esther M Mrs ◎ 834-8806
Siradas Mary Mrs 832-5875
225 Thomann Edwin F ◎ 834-2821
229 Jones Geo ◎
230 Conners Francis P ◎ 838-6017
★Gilder James D
PARK RIDGE AV INTERSECTS
ZIP CODE 14215
240 Walbesser Florence T Mrs ◎ 834-9594
Landi Barry L
241★Marino James P 836-6866
Calabrese Pasquale J 837-8298
245 Fuller Norman ◎ 836-5748
246 Fischle Mildred Mrs ◎ 834-1209
Allen Charles C 838-4347
249 Simmons Karin 832-9687
No Return
250★Baker David L ◎ 835-8278
253 Bartholomew Anthony ◎ 833-4229
Polus Thaddeus J 836-5644
254 Hoffman John 832-2008
Matthies Lester ◎ 833-1499
257 Gillman Ann Mrs ◎ 832-3226
Vacant
258 Bauda Russell M ◎ 834-9891
No Return
260 Mastandrea Anthony ◎ 837-9367
No Return
263 Moore Clara E Mrs ◎ 836-8134
Binner Danl
264 Allex Viola Mrs ◎ 836-2981
265 Schreier Jeanne D 836-4110
Bollinger Edith E Mrs ◎ 834-9564
266 Muscarella Michl T 836-4750
★Emert Melvin L ◎ 836-1148
269 Verrastro Leonard F ◎ 837-3716
272 Fortkort Arth L ◎ 832-7144
Kearns Vernon L 834-1460
273 Schreier Louise Mrs ◎ 832-4816
Luitink Vivian L Mrs 833-2034
276 Maggio Olivia D Mrs ◎
277 Smigiel Donald S 838-2232
★Farron Gorden E ◎ 832-2250
280 Murray Helen V ◎ 832-1758
281 Abbott Clayton E ◎
285★Rockhill Danl ◎ 836-4929
286 Gowans Neil A ◎ 833-9008
290 Rozek Thos M ◎ 838-3767
Hennen Frederick W ◎
291 Unger Joseph C ◎ 834-5849
294 Robinson Robt ◎
295 Conway Paul ◎ 837-1954
297 Martinke Geo E ◎ 833-1914
298 Wagman Bernard 832-5095
301 Cram Margt A Mrs ◎ 834-4929
302 Tedesco Charles A ◎
305 Meyer Dorothy J Mrs ◎ 832-4918
306 Reger Howard J ◎ 834-2707
308 Lee Richd J ◎ 835-5571
309 Golinski Jessie D Mrs ◎ 832-7241
Schnell Jerome M 832-4297
313★Wagner Robt ◎ 834-2068
Studt Res
314 Grant Gilbert ◎ 837-2947
★Holfelder Lee
317 Braun Louis J 837-8537

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ESSER AV—Contd

353 NAGEL JULIUS J ● 875-7036
356 PELBROCK DORIS MRS
358 VACANT
363 VACANT
---NEWFIELD AV INTERSECTS
370 KING FRANCIS W OIL & COAL DLR ● 873-7696
373 TCKARSZUK VIRGINIA
LANGE LILLIAN 875-2268
LEONARD JCHN M 877-3508
MAYBERGER BERNARD ● 873-7255
376 DENSON LORAINE J MRS ● 876-0553
377 KASPEREK CHESTER H ● 877-0431
380 YENALAITUS LOUIS A ● 877-3852
KOLB EDWIN A 876-6695
KOLB ROBT C PIANO TUNER
381 KOSTYSZYN JOHN ● 873-2560
382 GILLIES WW B ● 873-3598
385 HAINER ROBT W ● 876-4789
386 GOULD JOSEPH L ● 873-1594
388 KACZMAREK HENRY J ● 873-4963
393 ELEK'S FOOD SHOPPE 873-8589
ELEK GABAR ● 873-8589
---SKILLEN ST INTERSECTS

20

ESSEX LA -FROM 350 CLINTON NORTH

---ZIP CODE 14204
1 SANDERS CHRISTENE 854-6139
2 CCLEMAN FRANCIS 854-8526
3 GARNER VERLIE MRS 854-1920
4 COATES ANN N 853-4970
5 PRICE KENNETH 854-8649
6 ALLEN JAMES W 856-4871
7 NICHOLSON LERON 852-4121
8 WILLIAMS SAML S 852-2712
9 GLOVER CHARLES J 854-3179
10 EWING JAMES H 854-7340
11 HALL JAMES 854-2206
12 BROWN SAML 856-2766
13 HAMILTON WILLIAM
14 NO RETURN
15 HOLMES VAL 852-6238
16 LUCAS ANNA M MRS 852-0461
17 JONES SAML L 856-1890
18 DREAKFORT ISAAC 856-0060
19 TARRY WW H 856-8333
20 WHARTON JOHN L 852-3405

49

ESSEX ST -FROM 530 RHODE ISLAND NORTHWEST

---ZIP CODE 14213
8 VACANT
10 VACANT
18 VACANT
31 HULSE WILFORD O ● 885-6966
32 HAPCO EQUIPMENT CO INC CRANES & HOISTS 882-2430
33 BARTOW HORACE N ● 885-4443
35 BREEN LAURENCE P ● 882-6371
37 LOBERT VIVIAN MRS ● 884-1431
SCHULTZ LYNN MRS 882-2372
38 MC CRACKEN WM C
STURNIOLO ANTHONY O CEMENT CONTR ● 885-8321
REAR D'HEARN AUDREY MRS 885-7254
39 GALLAGHER NORA MRS ● 885-5732
41 SCIME MICHL ●
42 JORDAN FREDK 885-4918
HUSUL SHARON M 886-1647
43 TOMASELLI FRANK J ● 886-0530
44 VACANT
45 GUARISCO ANTHONY J 882-0475
LUCAS MARY MRS 883-0239
45½ COLSON CHARLES W 884-3652
STROHM LILLIAN W 883-8937
46 STURNIOLO SAML A ● 883-3278
ZDZIEBLO HENRY J 883-5537
REAR VACANT
48 GRANN DARLENE
49 BARBESI JESSIE 882-6321
49½ PCLITO CONCETTA MRS 882-5836
MC DONALD MARGT M MRS 886-1663
51 GRANN MARION G 883-9175
---MASSACHUSETTS AV INTERSECTS

4

EUCLID PL -FROM 870 SOUTH PARK AV NORTH

---ZIP CODE 14210
12 FALKIEWICZ SYLVESTER 826-1071
SIKORSKI ANGELINE MRS ● 824-8085
13 BAUER ALBERT O ● 824-4179
KELLER PATRICIA MRS 824-1480
16 FOX BEULAH M MRS ● 826-2559
MEAD GEO H ● 825-6718
18 SIEG MARY R ● 824-2054
19 FRANKS SOPHIA MRS
EBERHARDT DENNIS R 825-4093
20 KINSELLA GEORGIA M ● 823-8526
24 MASKULINSKI CAROLINE F MRS ● GRSCZINSKI JOHN 823-4170
26 LYNCH ARTH W ● 826-2424
30 CAVANAUGH WM J 825-1026
KELLER RICHD
REAR SYZDEK HENRY 823-1282
32 BEAMAN JCHN P ● 824-4900
37 GETZ JAMES ● 825-5160
39 REHAK ANTHONY ● 823-5179
REHAK DONALD 822-3938
40 MILLIGAN KATHRYN E MRS 825-1926
OLSON HAROLD GRO ● 824-4578
---PRENATT ST INTERSECTS
43 ZOKUS WM ● 824-1349
44 GORMAN THOS J ● 824-3418
45 DIXON JOHN J ● 824-1689
46 GRUVER ARDATH F MRS ●
49 NOWAK FRANCES MRS ● 824-1887
FALTISCO THOS
50 HILLYARD HAROLD R ● 826-1568
51 DOHERTY THOS J ● 822-5062
52 NORRIS WM E ● 824-2376
55 ORLUK CATHERINE MRS ● 825-5141
ORLUK WM F 826-4947
56 BARAN JACOB ● 822-0225
HORRIGAN ANNA T 823-4650
57 DOHERTY NELLIE 823-5064
HARENDA EMILY MRS 824-4157
58 RACKI ANNA MRS ● 824-4636
60 MORGAN IRENE D ● 822-0817
---ELK ST INTERSECTS

101

EUGENE ST -FROM DLCWRR NORTH TO 1500 KENMORE AV

---ZIP CODE 14216
---HINMAN AV INTERSECTS
20 SHEFFIELD LYLE M ● 875-2942
21 KNAPP ROGER W ● 873-9760
24 STEFFEN WM C ● 873-5284
25 THOMAS HARRY ● 874-0179
STRICKLAND A JAMES 874-2615
BRUNNER LAURA A MRS 873-1779
GORLA AUGUSTA S MRS 876-6734
29 BRODZIK LEON C ● 873-2344
30 MOTE LELAND K ● 875-1643
34 REARDON JOSEPH N ● 875-9692
35 FISH EUG H ● 877-1845
37 PREKSTA RUTH J MRS ● 873-4277
38 ROBERTS DONALD A ● 877-3647
41 BROWN ETHEL A MRS 875-5979
42 BARABASZ CHARLOTTE L MRS PIANO TCHR ● 875-8994
---RAMSDELL AV INTERSECTS
50 YANZ CLIFFORD C ● 876-9214
51 LONGWITH TIMOTHY T 873-0976
54 DONOVAN BENJ F ● 873-2826
57 HILIMON NORMAN A ● 877-1465
KALETTA JOHN ● 873-8168
62 VACANT
63 LARGE THOS A ● 873-7471
65 VAN HOUTEN ROBT S ● 873-7626
66 JONES FRANCES C MRS 877-4935
69 BRIDGER EDW J ● 875-3032
71 VACANT
---KENMORE AV INTERSECTS

16

EUREKA PL -FROM 338 SYCAMORE NORTH

---ZIP CODE 14204
14 HOLLIS JAMES
15 BROOKS CONSTANCE M MRS 852-2578
REAR KEITZ ELIZ MRS
16 STACY FRANK 852-1164
19 MABLEY ALFRED B ● 853-0713
WAIDLE GEO
23 CLARK BLOCKER ● 856-3614
BENTON WALTER M 853-3342
WILLIAMS LUCILLE 853-3425
24 SMITH ROSEBERD ● 852-8260
25 WRIGHT MARY J MRS ● 853-4979
PITTS WM ● 856-7627
27 GOFF EDW C ● 853-9584
31 FLOWERS FLORENCE MRS 852-6235
33 BROWN FRANCES MRS 852-5650
FLOWERS FRANK 853-3841
37 LEGREE BEN F ● 856-6790
BELCHER JOSEPH 852-8522
REAR WASHINGTON MARY MRS
40 VACANT
COOPER GWENDOLYN MRS 856-4363
43 COHEN LOUIS & SON (STGE) 856-4369
MATHIES MATTIE MRS 853-5788
PERRY SIMON S 856-2348
44 BRYANT LUTHER W ● 852-1797
46 VACANT
47 CARTER JAMES B ● 856-4166
48 CHESTNUT INEZ M MRS 852-8539
THOMPSON BERTHA MRS 856-6595
52 VACANT
55 VACANT
57 JONES CALVIN B ●
WHITE FRED
62 VACANT
63 VACANT
65 DAVIS MAGGIE MRS ● 856-6463
FOSTER RUTH
67 JACKSON BERTHA M MRS ● 856-9539
---GENESEE ST INTERSECTS

123

EVADENE ST -FROM 143 ENGLEWOOD AV NORTHEAST

---ZIP CODE 14214
14 LUDWIG STANLEY J 832-3172
PETRITZ LAWRENCE
17 LAWSON THOS S ● 834-8058
18 WALKER ADRIAN
RINKO MARY C
TYLER PRISCILLA 832-6231
21 HAAS EDW ● 835-6040
22 LOPE EDW N ● 836-2980
25 SHIVENS JOSEPH A ● 834-1734
26 ZACK JACK ● 834-7822
27 VITELLO RALPH J ● 837-9848
JUSTMAN RICHD
28 FAILLA VINCENT A ●
---MONTROSE AV INTERSECTS

50

EVANSTON PL -FROM SIBLEY EAST TO JULIUS 1 SOUTH OF DOWNING

---ZIP CODE 14220
14 MAGRO DOMENICK L ● 823-2125
17 SKOTNICKI MATTHEW M ● 825-1918
18 SHEA ARTH J ● 825-8887
22 KEITSCH ALLEN C ● 823-3851
26 FORSYTHE WM J ● 823-3004
---AUGUSTA ST BEGINS
29 BARRY EUG J ●
33 COHEN RICHD M ● 822-2715
36 BALL EDWARD G JR ● 824-4006
BONNER BRIAN D 826-3449
37 FRANTZEN GEO K ● 824-9575
38 KIRSCH WM C 826-3819
WEIR JOHN K ● 826-3630
41 GOD HARLAN H ● 824-3759
44 SHEEHAN JOSEPH M ● 822-1024
47 MAHAR KEVIN D ● 824-9815
50 ATHOE MARILYN D
51 JOHNSON RICHD A ● 823-7657
55 HYNES JOSEPH E ● 824-8684
58 KEOUGH ROGER J 826-3295
OLIVER JOSEPH A ● 823-1161
62 HELD RICHD C
METELSKI PETRONELLA MRS ● 823-8034
63 LOWITZER ARTH C ● 825-1788
67 SZEWCZYK GERTRUDE MRS ● 823-2850
FIGIEL JOHN 823-2269
---JULIUS ST INTERSECTS

83

EVELYN ST -FROM 329 ESSER AV SOUTHEAST

---ZIP CODE 14207
11 LUKACZ JOHN ● 876-7715
LUMBERG SIGISMUND J
15 QUICK S KENNETH ●
MACK ANTHONY C ●
19 SCRIBNER WM D 877-8621
NYE NANCY MRS 875-4082
20 LIER ROBT M ● 873-3603
21 PRATIES ROBT I ● 877-5780
26 MALANEY ROBT P ● 873-3546
27 DURKEE FRANK E ● 873-0855
30 RUNG EDW R CARP ● 873-0615
33 GAUTHIER EDW A ● 877-7230
34 KOLLMAR DONALD L ● 873-0103
37 HADAWAY THOS E ● 873-1044
38 SCHMITT RUTH A MRS ● 873-3676
41 MC VEY IRENE E MRS ● 876-2640
45 SCHMIT HERBERT F JR ● 875-3324
46 MOCK ALVIN J ● 875-7140
49 PARIS STEPH R ● 875-6035
50 VISNIESKY ANDREW
JOHNSTON ROBT A 873-7640
51 KIRSCHNER RUDOLPH J ● 877-5166
KIRSCHNER CORNELIUS G
52 HALLETT THOS S ● 876-6401
54 VUKOVIC JOSEPH ● 876-6273
55 NIZIALEK JOHN J 877-1085
KANIA WALTER ● 873-4836
56 BROWN MARY F MRS ● 873-4006
57 DRESSEL WM A ● 874-3217
58 MALAST HELENE ●
61 KEELEY GEO A ● 876-8527
62 MIKLOS JOHN ● 876-1984
SHAFFER DAVID 875-7322
63 WOOD LEONARD H ● 875-8690
64 HASBROUCK AUG W 873-0663
BATCHO MICHL A 876-1619
67 CHEMAN AUG M ● 877-1007
68 BEERS MERLE ● 876-1304
69 DOMARACKI FRANK J ●
70 POPADICK WM P ● 876-1591
73 SZALAY ALEX P ● 875-2105
SCHULTZ WALTER 877-2759
74 TAYLOR ROY B ● 873-8719
75 THOUSANDFRIEND GUSTAVE ● 875-0992
76 BARTNIK WALTER J ● 877-6639
79 VALVO JOSEPH R ● 874-1259
80 BAUMGARDNER GILBERT H ● 875-1861
81 MORRISON JAMES W ● 873-8121
82 LOZINSKY JOHN J ● 876-7015
---ONTARIO ST INTERSECTS
115 LA MARCO LOUIS F ● 876-5142
116 KISH JAMES ●
KOLLMAR GORDON F 873-4042
120 CHRISTER ALICE R MRS ● 875-3708
121 SWAIN VINCENT ● 875-6089
123 YELENIK ALBERT ● 876-5878
126 MARTIN JACKSON J ● 873-2929
127 MATYUS GAZA J ● 876-8775
128 MAHONEY MICHL J ● 875-9820
131 MC GEE ANNA M MRS ● 875-1418
132 PEARSON SARAH MRS ● 875-3819
133 MAGYAR CHARLES H ● 876-0069
134 EKES GEORGE R ●
138 MURPHY NORA MRS ● 873-1135
139 BOGAR JULIA MRS ● 877-3765
140 SILL CLAIR E ● 875-5105
144 BREITWIESER ROBT L ● 877-7644
145 BOURKNEY GERHARDT J ● 877-0849
146 MARTIN ANNA MRS ● 876-0241
149 FLADING CHARLES E ● 873-0112
151 REUILLARD CAMILLE J ● 873-9101
153 GRIFFIN FRANCES M ● 875-0494
---PENN CENTRAL CROSSES

910

EXCHANGE ST -FROM 171 MAIN ST EAST

---ZIP CODE 14203
---WASHINGTON ST INTERSECTS
48 VACANT
50 VACANT
58 VACANT
---ELLICOTT ST BEGINS
---WELLS ST BEGINS
142 GANDEL DAVID FURN RMS 852-9274
152 VACANT
154 VACANT
158 MONTGOMERY'S DAN RESTR 852-9494
HARRISON HERMAN
160 SMITH BERNICE 854-3057
176 CENTRAL CITY HOTEL 854-1309
---MICHIGAN AV INTERSECTS

8

---CHICAGO OVERPASS
253 CITY WIDE TRUCKING 852-7063
D'ALTON SHIPPING CO TRUCKING 852-7063
MOTOR RAIL TRANSPORT INC 852-1351
55 PARAMOUNT MILL SUPPLY CO INC RAG STOCK 854-4826
SCOTT-MARQUARDT CO INC ROOFING SUPS 852-8125
---LOUISIANA OVERPASS
---ALABAMA INTERSECTS (NOT ---OPEN)
---HAMBURG OVERPASS
---ZIP CODE 14204
567 GRACE W R & CO (CRAVER-DICKINSON SEED DIV) 852-4356
---NYC SYS CROSSES
---ZIP CODE 14210
568 AMPLEMENT EUG F 854-2203
VANTRESCO LOUISE 853-8416
GUZDEK JOSEPH J JR 856-0355
578 WISEMAN MORRIS JUNK 854-1267
596 IROQUOIS DOOR CO (WHSE)
---JEFFERSON AV BEGINS (NOT ---OPEN)

40

---ZIP CODE 14210
586 VACANT
600 VACANT
650 LEASEWAY OF WESTERN NEW YORK INC TRUCK LEASING 856-8090
659 IROQUOIS DOOR CO SASH & DOORS WHOL 856-8144
---LARKIN INTERSECTS
669 IROQUOIS DOOR (WHSE)
695 IROQUOIS DOOR CO (WHSE)
---VAN RENSSELAER OVERPASS
---HYDRAULIC INTERSECTS
---GRIFFIN INTERSECTS
---(NOT OPEN BUT GRIFFIN & SMITH)
---SMITH INTERSECTS
927 MACDLO FRANK

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HAMBURG ST—Contd

131 ROBERTS JOHN R ● 853-1324
134 DABOV NANCY MRS ● 852-5385
CASEY EUG
136 MC NEIGHT DAVID P ●
854-1451
REDMOND THOS E 853-1409
137 O'BRIEN MICHL ●
138 WHITNEY EDW 854-0453
139 STANTON AGNES E MRS
852-4299
140 CLEARY MARY E MRS ●
854-3793
HANPATTY JAMES 854-8625
REAR SHAVER JOSEPH J JR
853-8945
141 CAPROLL JEREMIAH J ●
853-6330
142 BEASLEY JOHN F ● 856-7411
BURKE WM H 856-7782
143 BULGER THOS J 853-0554
SCHMELZ JULIA MRS ●
854-1590
SCOTT MARY G MRS 853-0554
REAR NUGENT WM H 853-8480
144 HOFFSTETTER MARY G ●
852-7635
145 CATANZARO MARY R MRS ●
852-5255
FORD DONALD L 853-7792
146 LO VULLO ANGELO M ●
853-6816
LICKFELD WAYNE J 853-5910
REAR VACANT
149 MC CARTHY MABEL MRS ●
853-3656
MC CARTHY DONALD 854-6142
151 TOLKACZ EDW J ● 853-2062
152 DONOVAN MINNIE ● 852-6516
MILLIGAN JOHN M 856-8621
153 CHILCOTT JOHN J 853-2681
CORCORAN THOS F ● 853-7352
156 CHILCOTT STEPH V JR
853-2847
GREEN GRACE M MRS 852-4853
158 MANN ELIZ L MRS ● 854-0317

6

---MACKINAW INTERSECTS
185 FITZGERALD PAUL E ●
853-8987
189 KENNEDY WM T ● 854-6880
KIRISITS MARY MRS 852-2342
190 WOJTASIK STANLEY J ●
852-2604
191 MICHEL VICTOR W ● 856-6209
BURLEY CLYDE F 853-0276
192 WOJTASIK WALTER ●
193 ROLLER KATH I ● 854-7552
197 MORRISON FLOYD 852-1486
SISSON EDW F
REAR GWOREK ALF J 854-0849
198 JEDRYSIK WM A ●
KORNAK VICTORIA MRS
852-5423
200 JEDRYSIK JOSEPH J JR ●
854-0557
MUCHA EDW G 852-6399
201 BELTRAN JESUS A
GOZDZIAK RAYMOND
SWIDERSKI LOUISE I MRS
202 GORKIEWICZ FRED
203 BANNISTER JAMES J 853-6069
O'NEIL ELIZ C MRS 853-3999
204 GORKIEWICZ STANLEY F
854-8380
CEPUCHOWSKI MARK 852-5384
205 BURKE LILLIAN D MRS ●
852-3147
KOSTEK JOSEPH D 853-2896
207 KEMPA JOSEPH F ●
---MIAMI ENDS
211 MANN DONALD M ● 856-9731
215 KOSS STEPHEN G ● 854-1658
REARDON GEO W ●
217 SKINNER KENNA 854-4267
MC NAUGHTON JOHN K 856-0899
219 GROSS JACK L JR ● 852-4398
220 LE COINTE BLANCHE A MRS ●
853-6112
221 SMITH JAMES E ● 856-7681
222 WAVER HERBERT G ● 856-2762
LAWSON JOHN F
224 KENEFICK MILDRED F MRS
NEEDHAM EDW F ● 853-7591
225 LEWIS GEO E 856-1715
POZORSKI WANDA MRS 852-7558
REAR DRAY ELLA L MRS 853-2144
226 SCINTA RICHD C ● 852-5651
228 PYSZKA STANLEY J ● 853-4876
BURKE MICHL 852-3693
229 VACANT
REAR EMERICK MYRON O 852-4796
230 BARON BERNICE MRS
BARON EDW J 854-5268
231 VRABEL JULIA MRS 852-5752
CUMMINGS FRANK E 853-1614
REAR COLLINS WM H 854-4591
233 BALCAPCZYK VALERIA MRS ●
854-0295
ISCH E VIOLA MRS
REAR BANNISTER JAMES J 852-3750
234 ACKERMAN JOHN H ● 852-1241
236 ZEMKO VICTOR M ● 852-6609
---SOUTH PARK AV INTERSECTS
264 VACANT
265 FRANCZYK JOSEPH E ●
856-9027
KUBIAK STANLEY F 852-3958
266 EVANS THOS A JR ●
267 HAYES DAVID J ● 856-2697
LLOYD WM L 854-8142
---COATSWORTH AL INTERSECTS
269 WASIK WALLACE J 854-2645
271 PODRAZA JEAN T MRS ●
856-5875
273 WILSON MARY MRS ● 852-6256
274 COVERT MARTIN
HUNTER LEONARDO R 856-7450
275 EVOY MAPIA E MRS
JOHNSTON MILDRED MRS
854-1745
279 WEBB JOSEPH T 854-6624
281 BERMUDEZ JESUS ● 854-1656
WEBB ALINE MRS 854-0810
---FULTON INTERSECTS
289 PERRY CENTER DELICATESSEN
852-2071
LAWSON HAROLD 854-6406
KOLENKO RONALD P 852-2071
291 EDWARDS THOS R
293 DREW FRANK J ● 853-2127
294 APARTMENTS
1 MALONEY WM J 854-0075
2 STILB ELSA L 853-4728
3 WRIGHT ROSEMARY MRS
4 O'DONNELL ESTHER MRS
852-4103
5 ROBERTSON EDNA G MRS
6 WAGENER GEO R
295 KOZLOWSKI WALTER F ●
KOZLOWSKI MATTHEW ●
297 ECKERT JOSEPH G 856-3542
JORDANS PETER W ● 853-0926
298 APARTMENTS
1 PUERNER LORETTA K MRS
853-3571
2 SWELLING GERTRUDE L MRS
853-4690
3 SIKORA MARY
4 MC ANULTY LEWIS A
853-1986
5 VACANT
6 DAVIS IRENE R MRS
856-0119
303 KNIAZUK ADELE MRS
305 VACANT
307 DEJAC RICHD J
312 APARTMENTS
1 STANDARDS RITA MRS
2 HUGHES ANNA C MRS
856-3383
3 WILDS WALTER J
4 SILVER FRANCES E MRS
853-1289
5 VACANT
6 GROSS RUTH MRS 853-3570
316 APARTMENTS
1 FITZPATRICK MARY A MRS
2 KERR ROSINA MRS 852-5875
3 SZARMACH CECELIA MRS
4 MC GAHAN MARY MRS
5 REED PHYLLIS V MRS
6 BUNNY JOHN J 853-4923
---PERRY INTERSECTS
330 APARTMENTS
1 TRAUTMAN MAURICE 856-8868
2 CALDWELL DESSIE G MRS
854-5520
3 BIESIK RUDOLPH 854-2237
4 WILLIAMS NELLIE MRS
5 O'DONNELL EDW T 854-0434
6 JACKSON DIANE MRS
333 TUZZALO ANTHONY F 853-3789
334 APARTMENTS
1 RUNDLE EVELYN M MRS
854-1484
2 REIMAN HERBERT C 852-3991
3 COONS MARGT MRS
4 WEBER BARBARA A 852-2582
5 WHITE CORA E MRS 854-0653
6 BOBO CHARLES
---LEHIGH VALLEY RR OVERPASS
---SCOTT INTERSECTS
365 VACANT
367 EASTERN FABRICATING CO INC
DIE CTRS EQUIP 852-0490
MICHAEL BEDDING CO MFR
BEDDING 853-2158
PLIBRICO SALES & SERVICE CO
INCINERATORS 852-6600
369 TRAUTMAN WM R ASSOCIATES
CONSULTING ENG 856-4545
374 CITY SEWER AUTHORITY
(PUMPING STA) 854-2215
---PENN CENTRAL UNDERPASS

8

---EXCHANGE UNDERPASS
---CARROLL INTERSECTS (NOT
---OPEN)
---PENN CENTRAL CROSSES
---SENECA INTERSECTS
505 A & P FOOD STORES (BAKERY
DIV) 856-3200
---MYRTLE AV INTERSECTS
519 A & P FOOD STORES (OFC &
WHSE) 856-3200
535 NATIONAL PRODUCE DIVISION
(DIV A & P FOOD STORES)
854-3998
---SWAN INTERSECTS

91

HAMILTON ST -FROM NIAGARA RIVER
EAST TO 302 TONAWANDA

---ZIP CODE 14207
U S CUSTOMS OFFICE 873-3663
1 VACANT
7 VACANT
---DANA ENDS
9 ZIOLKOWSKI JOSEPH 875-8577
---NIAGARA INTERSECTS
30 NO RETURN
32 MARTIN YVONNE MRS 875-9794
33 WOJCIK JOHN J ● 873-2104
41 HEWSON JOSEPHINE MRS ●
873-6295
43 STICKL'S BAKERY 873-9660
STICKL PETER ● 873-9660
---DEARBORN INTERSECTS
59 VACANT
61 MARTIN RUBEN
62 DOLD MICHL C ● 875-7820
67 SUTTON WILL PHOTOG 874-4835
68 SUPERIOR DAIRY 874-1280
ZORICH ANTHONY F ● 877-7690
ULANOWSKI IRENE MRS 875-6069
69 LASKAY CHARLES ● 877-2306
---EAST INTERSECTS
85 DURKEE RUTH J 877-5363
86 KEISSER MARGT M 877-5041
WEITZER LAURA MRS 876-8422
REAR VENCE LOUISE MRS 875-6364
87 BARTON EDW S ● 876-1981
REAR BARTON EDW G 877-6927
89 CRADDOCK JACOB H 875-3061
ROGACKI EDW L 876-4313
REAR MC GUOIRK DAVID N 873-6359
90 RINUS DONALD P ● 873-9461
REAR VACANT
91 KELLER ISABELLE MRS 873-7690
REAR HOWARD BERT S ● 875-2980
92 BOGDAN PAUL R 876-0212
KOCSIS LOUIS 875-4587
93 HOCH ALBERT J 875-0173
95 JANKOWSKI JOAN MRS 876-7571
96 BERNHARDT NICHOLAS M ●
876-1497
---HOFFMAN INTERSECTS
100 RICHARDS LLOYD R 875-8759
RICHARDS JAMES ●
101 HARTMANN ELIZ M MRS ●
873-4446
KULICK EUG 877-6978
105 STEFFAN OSCAR A ● 873-1626
BECKER GEO R 875-9662
GILBERT KATH A MRS 875-3263
107 BECKER ALBERT J ● 873-1762
SCHAFSTECK RITA E 875-5953
108 GUZOWSKI WALLACE W ●
877-4881
110 SUNDY KENNETH B ● 875-6234
LINEBACK MARGE MRS 877-5689
111 AILINGER WILFRED L 876-4575
113 VACANT
114 SOOCK JOHN R ● 875-1769
BONAFEDE CHARLES C 874-4553
115 KISHEL JOSEPH J 876-7643
116 GOODMAN STEWART
CLARK GEO E 874-2568
119 WYDYSH ALICE D ● 873-8130
---THOMPSON INTERSECTS
132 ZIMMER HAROLD H ● 876-9328
136 MUSSALL OLLIE MRS ●
PUTNAM C OLIVER 874-4187
142 VACANT
144 DANCZAK MICHL ● 874-0022
BERNARD BOBBY L
---GORTON INTERSECTS
152 DALTON JOHN ● 877-0326
158 HERMANN JOHN ● 875-4839
---TONAWANDA INTERSECTS

154

HAMLIN RD -FROM 107 LONSDALE RD
EAST

---ZIP CODE 14208
2 PORTER EDW C ● 882-3412
BALLOTTI RAY
5 GADSON HERMAN ● 885-0574
6 COLES CLAYTON A 886-2055
HALL WALTER ● 885-7197
9 ALEXANDER SAML ● 885-8529
10 EDWARDS FLORENCE MRS ●
886-7028
11 OLDEN FRANK ● 885-6923
14 MOORE ANNA P MRS 882-8997
STOCKS JAMES ● 882-4234
17 ROBINSON LEVORN ● 883-6530
18 HOLMES ROBT L ● 882-4002
19 WILLIAMS HUBERT ● 886-1132
20 HOWE WILLA K MRS ● 884-4163
BAILEY MERDE MRS
24 PERRY FRED ● 885-9224
25 THOMAS ROBT ● 886-1157
HALL AMY 886-8245
27 ROBINSON ROBT L ● 883-9927
28 PORTER JAMES JR ● 883-7732
31 DAUGHTRY ROBT ● 885-5426
32 WILSON MARCELLUS C ●
884-2857
35 WASHINGTON JOHN C ● 886-6749
36 DIXON ROY U ● 886-7326
37 LYONS NORMAN B ● 884-9450
38 DUKE DONNIZELL B ● 883-6722
41 DIXON JOSEPH ●
42 AUSTIN BETTY B MRS ●
882-9220
45 GROSS DANL J ● 885-2588
46 HILLIARD JOHN T ● 884-7768
49 BROCK WM H JR ● 884-0981
50 LOMAX OLIVER A ● 882-4032
53 DONMORE KENNETH E ● 886-8315
54 TALLEY JOHN E ● 882-0397
55 JOHNSON CURTIS ● 882-6850
56 GILMORE JAMES W ● 882-8808
59 DAVIS WILLIE F ●
60 SMITH LEO ● 886-6144
64 MONTAGUE JOHN S ● 883-2726
65 SMITH JEANNETTE M MRS ●
882-8424
67 ALLEN WM ● 884-5570
68 CLARKSON SAML M ● 883-5087
70 GREENE LEROY R ● 885-9346
71 WYATT MAYNARD N ● 882-6446
73 FOSTER DAVID A ● 885-7256
74 GILL FREDK ● 882-8478
77 FIELDS GARDNER W ● 885-9379
78 FOGAN BEE A ● 882-5579
81 PETERSON KING W ● 882-5992
82 DISNEY CLARENCE E ● 884-9345
85 HALL THOS B ● 883-8540
86 GREENE PRUDENCE R MRS ●
885-4516
GREENE IRVING J ● 883-7726
89 MANN PETER P REV ● 882-6227
90 BRINKLEY JOHN W ● 886-6658
93 HOLLINS WM B ● 882-0145
94 DABNEY OLIVER J ● 886-7847
97 THREET RALPH 885-3381
98 TILLMAN HOLLACE ● 884-9410
101 JOHNSON HORACE C ● 885-8814
102 BLASSINGAME WM A ● 883-7345
104 BALDERER ALICE K MRS
883-8119
ATKINS HAROLD S ●
105 MC MILLAN GWENDOLYN A MRS ●
883-0737

120

---WOHLERS AV INTERSECTS
114 FREDMAN GEO 886-4020
115 THURMOND MARION R ●
882-7494
117 MC CALL GERTHA M MRS ●
882-4025
118 HARDY HERBERT T ● 886-6292
121 BANKS ELLA L MRS ●
122 PAGE MARGT E MRS ●
125 ANDERSON ROBT W ● 886-5079
126 SCOTT THEO A ● 886-5219
129 CHAPMAN CHARLES A ●
884-2504
130 MC GARRAH CHARLES ●
883-1688
133 PITTS HENRY J ● 885-4648
134 JONES THOS JR ● 882-9628
137 BAILEY FANNIE W MRS ●
882-7550
138 JOHNSON WM H ● 884-4943
139 FISHER JAMES L ● 885-0045
142 TAYLOR DEMPSEY S ● 886-1376
143 MANNS BERNICE MRS ●
884-5717
144 JAMES MATTIE B MRS ●
886-1817
147 JOHNSON ALF JR ● 884-3150
148 RAMEY WM ● 885-5958
151 KEMP JOHN C ● 886-6198
152 MAYFIELD GERALDINE R MRS ●
883-1293
155 JENKINS WM ● 885-2103
156 WATKINS LEMUEL D ● 883-5756
159 CURRY ROBT S ● 882-0829
160 ARNETT WM H ● 884-5768
163 DICKSON ABE ● 884-5512
164 HAIRSTON RICHD
167 HERNANDEZ GEO E ● 864-5302
168 RAINEY EARLINE S MRS ●
882-8408
171 DUKES CURTIS ● 884-8518
172 CURRY JOHN R ● 882-1704
175 PEOPLES WM E ●
178 SIMPKINS MITCHELL ●
886-4248
179 JOHNSON THEO 884-0471
WASHINGTON JAMES L ●
182 HARDIMAN WINTON J ●
886-5051
183 JONES BERTHA W MRS ●
883-8651
184 TRAYLOR LARUE ● 883-1910
187 DOW ZELLIE ● 884-7896
188 STENHOUSE EDW ● 882-6807
191 MARSHALL MILTON M ●
192 HINSON WM C ● 883-1589
195 JACKSON EMIL ● 882-8762
196 PELHAM CHARLES ● 883-3250
199 SMOTHERS MOSES H ● 885-6130
202 BLACKFORD DOLORES B ●
885-5141
203 THOMAS JUDSON ● 885-5623
204 SHROPSHIRE LEROY ● 882-1596
207 WOODARD EDYTHE E MRS ●
882-2452
210 CURRY KENNETH S REV
883-2714
---HUMBOLDT PKWY INTERSECTS

70

HAMMERSCHMIDT AV.-FROM NORTH
LEGION DR NORTHWEST

INSPECTION SERVICE - MAGNAFLUX AND ZYGLO - NON-DESTRUCTIVE TESTING
2181 Elmwood Ave., Buffalo, New York, 14216 Tel 876-2312

TP	Adjoining	Source
-	✓	R.L. Polk Company, Inc.,

LARKIN ST 1970

BUFFALO SAVINGS BANK

Main, Huron, Genesee and Washington Sts. All Offices Tel. 852-5130 Town of Amherst Office: 3980 Sheridan Drive at Harlem Rd.
Bailey-Amherst Office: 3134 Bailey Ave. at East Amherst St. Seneca-Cazenovia Office: 2199 Seneca St., Near Cazenovia St.
Delaware-Sheridan Office: 3637 Delaware Avenue Thruway Plaza Office: Walden Ave. at Harlem Road
This Bank is Insured by the Federal Deposit Insurance Corporation

LANGMEYER AV—Contd
23 KOCH PAUL J 893-6371
24 MARAGLIANO DAVID 892-5414
KOWALSKI WALTER W 892-4863
25 BUTZ CHARLES F ● 893-5374
26 BYKOWSKI BERNARD B ●
HOJNOWSKI PAULINE C MRS
895-2544
27 GRAU MARY E ● 892-1697
28 DEINHART JOHN G ● 894-5374
29 HORVATTIS GABRIEL ● 894-1787
DEYE EUG J 895-0528
33 MARKS RAYMOND N ● 892-8688
34 GROCKE LEONARD C ●
35 GRUBER WILBUR F ● 893-9205
BOUSCHBACHER ALOYSIUS
896-0432
36 ARTHURS JAMES E 894-7298
THOMAS TERRANCE J 895-9468
37 BALK CASPER J ● 893-6339
38 SMITH JAMES R JR ● 894-1147
SMITH MARTHA MRS 893-9245
40 KIRSCH GERALDINE 896-2959
KEMPF ROBT 895-2002
43 CLIFF ANNA 894-2412
45 CZILLI EDW ● 896-0750
46 MC MANUS CATH J MRS ●
895-9471
BENDER SHIRLEY MRS
47 WRIGHT CLARA F MRS ●
893-2735
ENDRES MARGT A MRS 894-8610
50 REINARD HENRY C ● 894-8124
51 RERA DOMINIC C ● 896-6485
52 KNAB DONALD F ● 896-8044
GERLAND RONALD 896-5564
53 SCALI JOSEPH L ● 895-7939
54 ANDERSON ADAM A ● 894-5759
57 RUSSELL'S SERVICE VACUUM
CLEANERS & REPAIRERS
892-2577
GARROLD RUSSELL H ● 892-2577
DEBOY ELIZ L MRS 892-5452
58 PURCELL WM J ● 895-5763
59 CORTESE BENITO ● 896-1971
ZUREK ALEX A 893-8804
60 HOVER MARY J MRS ●
61 PITZ WM L ● 893-2283
SMITH NELSON R 892-4407
62 WAGNER JOSEPH C ● 894-4510
64 SMALL FREDK H
BAKER JAMES M 895-5613
65 PINTO NICHOLAS R ● 893-3022
67 OTT JEROME V ● 894-7300
68 ZOELLER GORDON 894-8574
KLEMP JOHN F JR 892-5192
69 WHEELER FLOYD D ● 894-9317
73 CONTACT HAROLD F 894-3547
CONTACT KATH MRS ● 893-0111
74 MEISSNER ESTELLA MRS ●
895-5580
SCIBETTA JOSEPH J 892-7421
75 MECCA DANL J ● 897-1435
76 POWALOWSKI WALTER J ●
894-0724
COLOSANTE FLORENCE D MRS
80 MORDINO JOSEPH G ● 893-4157
MC GEE JOSEPH L 894-1925
81 GOMLAK IRENE B MRS ●
894-3247
---BAILEY AV INTERSECTS

82

LANNETTE ST -FROM CENTRAL AV
EAST TO 1400 BAILEY AV (NOT
OPEN AT BAILEY AV)

---BAILEY AV INTERSECTS

100

LANSDALE PL -FROM 451 KOONS AV
EAST

---ZIP CODE 14211
11 DARLING GLORIA A MRS ●
894-4766
RONALD CHARLOTTE G MRS
892-5683
13 YOUNG GEO A 893-4391
BALTES WAREN
---RUSTIC PL BEGINS
19 MURAWSKI GEO C ● 893-7715
IMBIEROWSKI EUG 896-5065
23 BANKS RICHD J ● 893-6325
25 GRACE ALBERT T ● 893-5369
SCHNEIDER FRANK 893-2607
REAR NOWAK VLADIMIR
27 SZELUGA ANTHONY L ● 893-4883
FLECK ELEANOR 894-1807
29 CZARNECKI NORBERT E ●
893-9804
BARR JAMES L
35 KRAJNIK LEONARD E ● 897-1777
STRASSBURG IDA E 896-5060
39 PILON LAWRENCE ● 895-2174
41 SULIK WALTER F ● 892-9563
43 WALKER KENNETH J ● 896-0966

91

LANSING ST -FROM JOSLYN PL EAST

---ZIP CODE 14207
11 VACANT
15 DRYJA STELLA MRS 877-2552
SARAMAK HENRY L ● 873-9559
17 KLEMOWSKI ZIGMUND ● 876-8167
KOPEC ROBT L
19 APPENHEIMER JAMES R 876-5216
21 RUISI VIOLA A MRS 873-2886
AURIA D SHIRLEY
26 DELAWARE PAVING CORP
875-8906
NIAGARA DAIRY PRODUCTS CORP
873-4730
---MILITARY RD INTERSECTS

50

LARABEE ST -FROM HOPKINS EAST 2
SOUTH OF MARILLA

---ZIP CODE 14220
9 P & H TRUCK SERVICE 825-9663
12 ANDOL LEONA MRS ● 823-2660
16 KOCH ADOLPH F ● 824-1606

123

LARCHMONT RD -FROM 35
UNIVERSITY AV NORTH

---ZIP CODE 14214
7 LUCITT EDNA MAE MRS ●
835-1228
9 DANNER MARY F ● 834-5269
11 GIBSON R OLIVER ● 836-3108
15 COOPER SUSANNAH MRS ●
832-2389
21 MC GRODER PATK J JR ●
833-2177
22 GETMAN DAVID N ● 832-7460
25 MURPHY J BERT ● 833-4726
26 BARRY DAVID E ● 837-8542
27 SCHRECONGOST ARNOLD C
837-5480
30 MC ISAAC ROBT J ● 835-3324
35 BENTLEY JOHN S ● 834-0702
36 SALCZYNSKI JOSEPH E ●
836-7917
---RADCLIFFE RD BEGINS
39 MUSCARELLA SALVATORE ●
832-8241
43 MACHE MADELINE A MRS ●
835-6988
45 MAYER DOROTHY M ● 833-9325
49 KOENIG PETER W ● 837-3068
53 HEAD ALAN S ● 832-8852
57 LAMPARELLI ROCCO A ●
835-5322
61 KELLY JOHN J ● 834-0686
65 DOWD KENNETH C ● 832-7026
69 LOCKWOOD MERLE E ● 833-5612
73 MIHICH ENRICO A ● 832-5757
---BELLEVUE AV INTERSECTS
81 YOUNG ROBT D ● 834-8087
82 WALLS WALTER S ● 836-6777
87 MC MAHON JAMES R ● 835-2743
90 DIEM GERALD B ● 834-8225
91 FARRELL FRANK A ● 832-4011
93 GRIMM CARL C ●
94 CHRISTOPHER GEO C ● 833-6564
98 SIEGERT CHAS R ● 837-3675
99 DE LANEY ARTH W ● 835-4849
102 PANKOW MARGUERITE J MRS ●
834-7059
103 KIRCH FRANCES K MRS ●
834-6136
104 DE GEORGE PAUL ● 836-1367
108 HAYS JOSEPH F JR ● 834-1079
109 CSONKA ALBERT B ● 833-3122
112 DAIGLER ROMAN J ● 834-3709
115 JACOBS PAULINE MRS ●
832-8744
116 KESSELRING JOSEPH 834-7298
117 MORRISSEY FRANKLIN J ●
832-7186
121 HENNIGAN PATK ● 836-6460
---KENMORE AV INTERSECTS

120

LARK ST -FROM 28 SIDNEY NORTH

---ZIP CODE 14211
14 HENDERSON ABBIE ● 895-6133
15 DUNSTON MARGT MRS 893-3309
ROBINSON ELVIRA 897-0699
16 THOMAS CLEOTIS ● 892-8294
TERRY ISIAH 892-7662
17 MARTIN DENNIS ●
EMMONS THELMA MRS
19 CLARKE EARL E
SHARP CECIL 896-6460
20 CAPERS ELIZ MRS
BAILEY AZEAL ● 892-7095
21 HILL ALBERIA MRS ● 894-9489
WILLIFORD CHARLES 894-2908
22 DEAN JOHN JR ● 892-0675
DURHAM JESSE JR 894-6978
25 PITTS EUG 894-6011
WASHINGTON CARRIE MRS
894-3276
26 THOMPSON FRED 896-7884
29 HOPSON HOWARD ● 892-4570
30 MATHIS JESSIE J ●
FORD HATTIE M MRS 892-2392
31 GARDNER WILLIE J ● 893-8875
KEMP HELENA E MRS 896-1926
32 HENDERSON ANN MRS ●
LEWIS JOHN A
35 BREWER OTTO ● 895-4762
DRAKE THOS 894-6002
36 HINKLE PLEZ ● 893-6094
SINGLETARY ALWARD
37 HYMAN MOSES 893-8455
CORNER JULIE B 896-0201
THOMPSON ARMETA MRS
REAR JONES HORACE
38 BROWN ROBT L ● 892-4710
HARRSTON FREDK 894-3202
40 HORD WM A ● 893-0679
WILLIAMS WYLIE 893-0605
41 KEAAN REBECCA MRS 896-1419
BURNETT SYLVESTER
43 OWENS MARVIN A ● 893-2586
44 BELLAMY CARL ● 896-1528
WRIGHT WM
47 GRAY LEROY 884-1473
HOUSTON CHARLES
48 COOPER EMANUEL C ● 896-0996
MERRITT JOSEPH 892-1254
51 MC CULLA GEO
MOORE WM W ● 896-3356
52 GIST JOSEPH N 896-3614
JOHNSON NORMA E MRS 895-0087
53 TARABULA JULIA T MRS ●
892-7006
VACANT
55 SWARTZ ELIZ C MRS ● 894-3473
56 CLARK RACHEL MRS
FOREMAN JOHNNIE M MRS
58 MC GEE CEPHUS REV
BRYSON ANDERSON 897-2934
KING JEANETTA D MRS 892-9316
WRIGHT ARTHUR 895-6588
62 BROWN COLLINS ●
PINKARD HOWARD 892-7018
REAR SIMS JAMES H 895-0059
74 HAMES JOSH B ● 896-1592
75 DUSYN CARL S ●
76 WATT BERTHA MRS 892-9526
77 SCHRADER WM C ●
78 GREEN HARVEY ● 894-0031
79 FOST CATH MRS 892-0246
80 BARNS MARY J MRS 896-7498
MC COY THOS 896-7561
81 HANNAH HENRY 894-8885
ENGLISH GWENDOLYN J MRS
82 WHITE RITA MRS 894-3790
REAR DENLER SHEET METAL INC
893-6706
83 BRADLEY SHIRLEY 897-2410
THOMAS BARBARA
84 KIRKISKY J HUGH
HUNTER ORLANE
85 LEE RUFUS ● 895-9326
CURRY IOLA P MRS 896-7012
---NORTHLAND AV INTERSECTS

40

LARKIN ST -FROM ½ BLK SOUTH OF
ROSEVILLE NORTH TO SENECA 1
WEST OF VAN RENSSELAER

---ZIP CODE 14210
189 MISIAK PETER J ●
MISECHOK STEPH 852-8088
197 HOLTZ HARRY E 856-8685
MC CRARY ROBT F ●
205 BUJNICKE JOHN P
REAR COCHRAN ARTH E
207 PRITCHETTE MELVIN W ●
856-6410
209 GEORGE AUSTIN C 856-4299
211 HORN RICHD C ●
215 VACANT
---ROSEVILLE BEGINS
241 HARBISON WALKER SALES CO
(WAREHOUSE) WAREHOUSE
854-0136
---EL RR CROSSES
---EXCHANGE INTERSECTS
290 WATERS METAL PRODUCTS INC
ELEC WIRING 852-3057
WILSON WAREHOUSE INC
853-3500
293 BATES INDUSTRIES INC SOAP
852-8435
309 VIENNA BEAUTY IMPORTS INC
RETAIL BEAUTY SUPPLIES
856-5446
315 BLUM PAUL CO INDUSTRIAL
MATLS 853-8555
---SENECA INTERSECTS

200

LASALLE AV -FROM 3025 MAIN EAST

---ZIP CODE 14214
15 INTERNATIONAL SOCIETY FOR
KRISHNA CONCIOUSNESS
ADHIKRAY PRAHLADANANADA
25 VACANT
29 CIPRIANI DOMENICO ● 834-9258
FOSTER FRANK H 835-0824
33 IRWIN BEAUTY SALON 836-3379
IRWIN MARY MRS ● 836-3379
TOBING PARLUHUTAN 834-4551
36 EARLS RECOVERING SERVICE
UPHOL 834-6884
ANTON EARL A ● 834-6884
37 BUSCH JOHN A 837-3451
FETTER MADELINE M MRS
838-1772
39 NORTH MAIN LUMBER CO INC
(WHSE)
40 WRIGHT JUDD 836-7157
SHID DAVID 835-1825
TAYLOR JOEL E 834-8253
45 DI MARCO SALVATORE ●
835-1361
48 COOK NELLIE
SHAW THOS G ● 835-1037
49 NORTH MAIN LUMBER PRODUCTS
CORP 833-4444
52 PALCZYNSKI WM W ● 837-8159
56 KARNATH FRANCES K MRS ●
832-6691
60 ROOF PAUL M ● 832-3011
70 VACANT●
71 MACALUSO FIRE REPAIR INC
837-5969
72 VACANT
73 NEVILLE GREGG LUMBER CO INC
INDUSTRIAL PALLETS &
SKIDERS 834-3038
74 LANDESVERBAND SCHLARAFFIA
AMERIKA CLUB 836-9768
78 FILLINGER JOSEPH M ●
836-3187
GEARIN WM J 833-2953
80 SCHENK CARL G ● 834-6091
REAR KNAUSDORF FRIEDA MRS
833-5741
83 WALDHEIM IRON WORKS INC
833-6520
89 W U F O RADIO 834-1080
92 SPINNER CHARLES S 836-3227
FULLER DOROTHEA M MRS
833-6711
CURRIE DAVID 836-1899
EINSTEIN RICHD R 837-9382
98 BAUMANN RICHD J ● 834-1064
ZIMMETT GEO P JR ● 833-0653
100 KRAMER CHARLES G ● 834-5340
KRAMER CHARLES G JR
836-1767
105 WEBER LUMBER CO 832-3636
106 CARRICK WM ● 833-8635
110 WARNING FLORENCE E ●
833-1288
114 KOCH KATIE I 833-9362
EGNER ESTHER L 834-1211
LOZADA VINCENT M 835-5126
115 VACANT
---CORDOVA BEGINS
126 ANSCHER RICHD M 836-0652
DEWEY RITA MRS
127 KORZELIUS WM J ● 835-5481
128 DAWSON ROSS R 835-8142
ROBERTS HAROLD M 836-6729
130 MARTIN JAMES A ● 835-6268
131 GUNDY JEROME ● 832-1543
SAINSBURY MILDRED O
833-7469
134 KUEHN DAVID 837-9156
135 COON ESTHER C MRS ●
835-4963
137 FABINIAK MICHL A 833-5387
WAGNER RUSSELL G ● 834-0842
140 ZIELEN ROBT E
KRUGER CARRIE E MRS ●
832-1527
141 WILKEN JESSIE M MRS ●
835-6709
142 NOWAKOWSKI CHESTER J ●
836-6153
148 MC MAHON JAMES P ● 834-5455
152 DI NARDO LEO ● 834-2709
153 ADAMS WM G 833-5573
154 WEST IDA R MRS ●
EDWARDS HOWARD H 832-9321

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TT 4-6210

EUREKA PL--Contd
18 Smith R B ◎ TL2-5594
19 Mabley Alf B ◎ TL6-7096
Maidle Geo H
23 Clark Blocker ◎ TL6-3614
Benton Walter M
24 Vacant
25 Wright Mary J Mrs ◎ TL3-4979
Pitts Wm ◎
27 Mackler Robt TL6-5343
Goff Edw C ◎ TL 3-9584
31 Mott Wm TL4-8506
Green John
33 Burnett John
Flowers Frank TL3-3841
37 Belcher Jos TL6-9851
Legree Ben ◎ TL6-6790
rear Wilson Arvell
Washington Mary Mrs
40 Vacant
43 Mathies Mattie Mrs TL3-5788
Russell Michl H TL2-5787
44 Bryant Luther W ◎ TL2-1797
46 Lippman A & Son's (stge)
47 Carter Jas B ◎ TL6-6479
48 Chestnut Inez M Mrs 852-8539
Thompson Bertha Mrs TL6-6595
51 Vacant
52 Shoulder Ann Mrs
55 Cottrell Amanda 853-4394
Perry Simon S ◎
Brown Frances Mrs TL2-5650
57 Jones Frank A ◎
Dotson Major
62 Johnson Dorothy M
Dennis Frank
63 Rainey Louis L TL2-6914
65 Davis Maggie Mrs ◎ TL6-6463
Foster Ruth
67 Jackson Bertha Mrs ◎ TL6-9539
Genesee intersects

123
EVADENE—From 143 Englewood av northeast
Zone 14
14 Ludwig Stanley J TF2-3172
17 Lawson Thos S ◎ TF4-8058
18 Metz Marie L ◎ TF3-8378
Strootman T Dorothy TF6-6035
21 Haas Edw ◎ TF5-6040
22 Page Mary R Mrs ◎ TF6-6594
25 Shivens Jos A ◎ TF4-1734
26 Harris Albert 834-1899
Szach Jack TF4-7822
27 Caruana Blase F ◎ TF3-8488
Donnelly Jas F TF5-4051
28 Faille Vincent ◎ TF6-6595
Montrose av intersects

7
EVANS—From DL&WRR to Dante pl
Zone 21

50
EVANSTON PL—From Sibley east to Julius, 1 south of Downing
Zone 20
14 Magro Domenick L ◎ TA3-2125
18 Shea Arth J ◎ TA5-8887
22 Keitsch Allen C ◎ TA2-3811
26 Forsythe Wm J ◎ TA3-3004
Augusta begins
29 Barry Eug T ◎ TA2-0851
33 Cohen Richd M ◎ TA2-2715
36 Corcoran Richd
O'Sullivan Patrick TA2-2496
37 Frantzen Geo K ◎ TA4-9575
38 Fischer Glenn T TA5-6783
Sullivan Jos T TA4-5248
41 Gold Harlan H ◎ TA4-3759
44 Battin Jas V ◎ TA3-3588
47 Mahar Kevin D ◎ TA4-9815
50 Reese Jas L TA2-2570
Brown Gerard 822-0432
51 Johnson Richd A ◎ TA3-7657
55 Mynes Jos E ◎ TA4-8684
58 Oliver Jos A ◎ TA3-1161
62 Metelski Geo ◎ 823-8034
Swanson Robt TA4-0739
63 Lowitzer Arth C ◎ TA5-1788
67 Szewczyk Gertrude Mrs ◎ TA3-2850
McCann Wm E TA3-8018
Julius intersects

83
EVELYN—From 355 Esser av southeast
Zone 7
11 Lukacz John ◎ TR6-7715
Lumberg Sigmund J
15 Wagner Jos S ◎ TR6-0250
Crittsinger Robt E 873-3584
19 Scribner Wm D TR7-8621
Story Francis E TR7-1551
20 Johnston Harold R ◎ TR3-5403
21 Praties Robt J ◎ 877-5780
26 Malaney Robt P ◎ TR3-3546
27 Durkee Frank E ◎ TR3-0855
30 Rung Edw R ◎ carp TR3-0615
33 Gauthier Edw A ◎ TR7-7230
34 Kollmar Donald L ◎ TR3-0103
37 Hadaway Thos E ◎ TR3-1044
38 Schmitt Wilbert P ◎ TR3-3676
41 McVey Irene E Mrs ◎ TR6-2640
45 Schmidt Herbert F jr ◎ TR5-3324
46 Mock Alvin J ◎ TR5-2988
49 Sweet Elmer D ◎ TR6-2970
50 Fiacco Mary 875-3514
Johnson Robt TR5-7640
51 Julie's Beauty Shop TR7-5166
Kirschner Rudolph J ◎
52 Hallett Thos S ◎ TR6-6401
54 Vukovic Jos TR6-6273
Huttenlocker Alf
55 Kania Walter ◎ TR3-4836
Turner Mary A Mrs
56 Brown Clarence J ◎ TR3-4006
57 Dressel A ◎ TR5-6727
Dennison Evelyn J Mrs 877-6917
58 Huff Leo S ◎
Ledwin Wm J TR3-1129
61 Keeley Geo A ◎ TR6-8527
62 Miklos John ◎ TR6-1984
DeGroff Stanley R TR5-9711
63 Wood Leonard H ◎ TR5-8690
64 Fell Chas TR6-5256
Hasbrouck Aug W TR3-0663
67 Cheman Aug M ◎ TR7-1007
68 Goelz Wm F ◎ TR6-1892
69 Domaracki Frank J ◎ TR5-8569
70 Popadick Wm P ◎ TR6-1591
73 Gerken John G 875-6567
Szalay Alex P ◎ 875-2105
74 Taylor Roy B ◎ TR3-8719
75 Thousandfriend Gustave ◎ TR5-0992
76 Bartnik Walter J TR7-6639
79 Sanders Eliz W ◎ TR5-0909
80 Baumgardner Gilbert H ◎ TR5-1861
81 Morrison Jas W ◎ TR3-8121
82 Lozinsky John J ◎ 876-7015
Ontario intersects
116 Kish Jas ◎
rear Kollmar Gordon F TR3-4042
120 Christer Robt W ◎ TR5-3708
Farrell Edw T
121 Swain Vincent E ◎ TR5-6089
123 Yelenik Albert ◎ TR6-5878
126 Martin Jackson J ◎ TR3-2929
127 Matyus Gaza J ◎ TR6-8775
128 Mahoney Michl J ◎ TR5-9820
131 McGee Anna M Mrs ◎ TR5-1418
132 Pearson John H ◎ TR5-3819
133 Magyar Michl J ◎ TR6-0069
134 Koncsol Louis ◎
138 Murphy Nora Mrs ◎ TR3-1135
139 Bogar Julia Mrs TR7-3785
140 Sill Clair E ◎ TR5-5105
144 Breitwieser Robt L ◎ TR7-7644
145 Sullivan Thos ◎ TR6-0203
146 Martin Anna Mrs ◎ TR6-0241
149 Flading Chas E ◎ 873-0112
151 Reuillard Camille J ◎ TR3-9101
153 Griffin Frances M ◎ TR5-0494
NYCRR crosses

2B1
EXCHANGE—From 171 Main east
Zone 3
10-12 Vacant
14 Knox's Billy Grill TL4-9838
Knox Wm T ◎
Kindt Eug
2B2
Washington intersects
48 Hex Mfg Co Inc genl mdse TL2-8000
50-52 Cresbury Clothes Inc (ofc) TL2-2821
54-58 Avon Hotel TL4-9265
Avon Hotel Cafe TL4-9265
Young Geo C ◎ TL4-0956
Ellicott begins
64 Cathedral Mailing Serv Inc TL3-0021
74-78 Vacant
80 Rogerson Housewares (whse)
86-88 Vacant
Wells begins
142 Young Sylvester furn rms TL2-9274
152 Vacant
154 Vacant
158 Montgomery's Dan restr TL2-9494
Harrison Herman
160 Smith Bernice TL4-3057
176-78 Central City Hotel TL4-1309
Michigan av intersects
8
Chicago overpass
253 Republic Carloading & Distributing Co Inc frt forwarders TL3-8544
City Wide Trucking 852-7063
Louisiana overpass
Alabama intersects (ss not open)
NYCSys crosses
Hamburg overpass
Zone 4
565-67 Craver-Dickinson Seed Co TL2-4356
Zone 10
568 Amplement Eug F TL4-2203
578-86 Wiseman Morris junk 854-1267
Jefferson av begins (not open)
40
586-90 Schreiber Trucking Co Inc TL6-8600
600 Dorn's Transportation Inc TL6-8541
Super Truck Service TL4-6244
650 Iroquois Door Co (whse)
659 Iroquois Door Co TL6-8144
Larkin intersects
669 Vacant
695 ELRR frt sta TA5-1900 ext 463
VanResselaer overpass
Hydraulic intersects
(Not open bet 1 blk east of Hydraulic and Smith)
Smith intersects
927 Potycz Steven TA6-0884
929 Hamerski Ignatius R ◎ TA2-2917
931 Kobus Florence M Mrs ◎ TA3-4565
933 Rusinski Edw F TA6-0625
Zak Walter J TA3-3999
Andrew al ends
936 Nowicki Philip N TA6-1255
938 Setlock Sophie A Mrs
939 Zak Edw
Mikolajczak Rose J Mrs
941 Borkowski Alphonse A
Macaldo John J 824-4153
945 Sluchan Roman ◎
Kaminski Frank R TA5-3492
Sordyl av ends
949 Szczepanik Antoinette Mrs ◎ TA5-3283
Benbenek Frank E TA5-6748
951 Lenczyk Jas M TA5-3445
rear Stewart Gordon P 823-5899
Ford Wm L
955 Kicinski Chester TA5-2498
Bednarz Philip ◎ TA5-4061
rear Kicinski Edw M TA5-3068
961 Gedej John
963 Ziejewski Frank ◎ TA5-2715
965 Butler Manford I
967 Minorczyk Stanley W gro TA5-5830
Dayton al ends

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HALLAM RD—Contd

297 Eckert Jos G TL6-3542
Jordans Peter W ⊛ TL3-0926
298 Apartments
1 Zeidman Nathan TL2-5962
2 Zwelling Gertrude L Mrs TL3-4690
3 Catania Thos TL2-7012
4 McAnulty Lewis A TL3-1986
5 Phillips Pauline Mrs TL4-0377
6 Davis Irene R Mrs TL6-0119
Stennard al ends
303 Kniazuk Alex TL2-8124
305 Messer D A Mrs TL3-6846
Cummings Frank E TL3-1614
307 Dejac Richd J
312 Apartments
1 Stannard Rita M Mrs TL6-8186
2 Vacant
3 Wilds Walter 853-5593
4 Silver Frances E Mrs TL3-8248
5 Vacant
6 No Return
316 Apartments
1 Fitzpatrick Mary A Mrs TL3-0732
2 Kerr Rose Mrs TL2-2518
3 Szermach Cecelia Mrs
4 Lowowski Frances TL2-3809
5 Bunce Kathleen F TL2-2847
6 Bunny John J
Perry intersects
330 Apartments
1 No Return
2 No Return
3 Biesik Rudolph TL4-2237
4 Williams Nellie Mrs
333 Tuzzolo Anthony F TL4-6274
334 Apartments
1 Rundle Evelyn M Mrs TL4-1484
2 Kinder Mary J TL2-1364
3 O'Mara Helen Mrs TL6-1840
4 Eberhardt Helen Mrs TL3-8585
5 Vacant
6 Vacant
Street continued
Lehigh Valley RR overpass
Scott intersects
367 Whitmer-Jackson Co Inc windows TL3-2800
374 Buffalo Sewer Authority (pumping sta) TL4-2215
NYCRR underpass
Railroad begins (not open)

8

Exchange underpass
Carroll intersects (not open)
NYCRR underpass
Seneca intersects
505 A&P Food Stores (bakery div) TL6-3239
Myrtle av intersects
519 A&P Foods Stores (ofce & whse) TL6-3200
535 National Produce Division (div A&P Food Stores) TL4-3998
Swan intersects

91

HAMILTON—From Niagara River east to 302 Tonawanda
Zone 7
ft US Customs Office TR3-3663
1 Buffalo Crushed Stone Corp (Gravel Products Div (Yds) TR3-1143
7 Vacant
Dana ends
9 Ziolkowski Jos TR5-8577
Niagara intersects
30 Sauerwein Edith E Mrs ⊛ TR5-2406
32 O'Brien Mary E 875-6176
33 Wojcik John J ⊛ TR3-2104
41 Hewson Josephine Mrs ⊛ TR3-6295
Wiedrick Mae Mrs 877-1089
43 Stickl's Bakery TR3-9660
Stickl Peter ⊛ TR3-9660
Dearborn intersects
59 McLean Jane Mrs TR5-2890
61 McCarthy Edw J TR7-8115
62 Dold Michl C ⊛ TR5-7820
67 Poorman Jas A jr TR6-7489
68 Henel's Dairy Inc TR4-1280
Ulanowski Benny TR5-6069
Zorich Anthony F ⊛ TR7-7690
69 Knight's Market TR3-6431
Knight Elmer V TR5-5761

East intersects
85 Durkee Ruth J Mrs
86 Keisser Margt M Mrs TR7-5041
Warren Gearld
Crapas Cath Mrs
rear Vence Louise Mrs TR5-6364
87 Barton Edw S ⊛ TR6-1981
rear Vacant
89 Kiblin Jas
Lee Jas F
rear Gilbert Franklin TR5-3263
90 Burkard Florence Mrs ⊛ TR7-3191
91 Hosmer Thos 876-9684
rear Howard Bert S ⊛ 875-2980
92 Bogdan Paul R TR6-0212
Kocsis Louis TR5-4587
93 Hoch Albert J ⊛ TR5-0173
Clabeaux Francis
95 Gross Delicatessen
Gross Barbara Mrs ⊛ TR3-4180
96 Bernhardt Nicholas M ⊛ TR6-9424
Bernhardt John
100 Lazarus Louise M Mrs ⊛ TR6-1866
Geib DeWitt E TR5-5911
101 Hartmann Eliz M Mrs ⊛ TR3-4446
Kulick Eug TR7-6978
Meidenbauer Jerome H TR3-7175
105 Steffan Oscar A ⊛ TR3-1626
Becker Geo R TR5-9662
Becker David G TR7-8068
107 Schafsteck Rita E TR5-5953
Becker Albert J ⊛ TR3-1762
108 Guzowski Wallace W ⊛ TR7-1881
110 Sundy Kenneth B ⊛ TR5-6234
Leneback Oaks F 877-5689
111 Klumpp Olive M Mrs TR7-7785
Huff Laverne A
113 Vacant
114 Soock John R ⊛ TR5-1769
Soock John L TR6-7790
115 Osewalt Earl C 876-4979
116 Ventura Dianne 873-3621
Urmston Patricia J Mrs 873-3621
Wolfram Kathleen M Mrs TR6-4452
Gibson Albert L
Klock Karl TR4-0425
Peterson Albert TR6-4452
119 Wydysh Anna Mrs ⊛ TR3-8130
132 Zimmer Harold H ⊛
136 Mussall Ollie Mrs ⊛ TR3-5376
Thorpe Gladys L Mrs TR5-0483
142 Browne Theresa Mrs TR7-8913
144 Danczak Michl ⊛ 874-0022
Winiarski Michl J 877-4071
Gordon intersects
152 Dalton John W TR7-0326
158 Blumenthal Mary ⊛ TR3-0788
Tonawanda intersects

154

HAMLIN RD—From 107 Lonsdale rd east
Zone 8
2 Porter Edw C ⊛ TT2-3412
Greene Kenneth H 882-1725
5 Gadson Herman ⊛ TT5-0574
6 Young John L ⊛ TT4-4180
9 Alexander Saml ⊛ TT5-8529
Alexander Marion Mrs drsmkr
10 Edwards Florence Mrs ⊛
11 Delt Victoria Mrs ⊛
14 Stocks Jas ⊛ TT2-4234
Moore Anna P Mrs
17 Robinson Levorn ⊛ 883-6530
18 Holmes Robt L ⊛ TT2-4002
19 Williams Hubert ⊛ TT6-1132
20 Howe Jas H ⊛ TT4-4163
24 Perry Fred ⊛
25 Molina Ralph E ⊛ TT4-7588
27 Robinson Robt ⊛ TT3-9927
28 Porter Jas ⊛ TT3-7732
31 Daughtry Robt ⊛ TT5-8620
32 Wilson Marcellus C ⊛ TT4-0357
35 Washington John C ⊛ TT6-6749
36 Dixon Roy U ⊛ TT6-7326
37 Lyons Norman B ⊛ TT4-9450
38 Duke Theo D ⊛
41 Dixon Curtis ⊛ TT4-3561
Hall Gerold F TT3-8372
42 Austin Harvey ⊛ TT2-9220
45 Gross Danl J ⊛ TT5-2588
46 Hilliard John T ⊛ TT4-7768
49 Brock Wm H ⊛ 884-0981
50 Lomax Oliver A ⊛ TT2-4032
53 Batton Annie B Mrs ⊛ TT4-8172
54 Talley John E ⊛ TT2-0397
55 Holt Robt ⊛ TT2-5215
56 Gilmore Jas W ⊛ TT2-8808
59 Davis Willie ⊛ TT6-3062
60 Smith Leo TT6-6144
64 Wexler Anna Mrs ⊛ TT3-7329
65 Smith Jeannette M Mrs ⊛ TT2-8424
67 Allen Wm ⊛ TT4-5570
68 Clarkson Saml M ⊛ TT3-5087
70 Green Leroy R ⊛ TT5-9346
71 Wyatt Maynard N ⊛ TT2-6446
73 Foster David A ⊛ TT5-7256
74 Gill Fredk ⊛ TT2-8478
77 Fields Gardner W ⊛ TT5-9379
78 Shaw Wm D ⊛ TT5-1578
81 Peterson King W ⊛ TT2-5992
82 Disney Clarence E ⊛ TT4-9345
85 Hall Thos B ⊛ TT3-8540
86 Greene Irving J ⊛ TT3-7726
Greene Prudence R Mrs TT5-4516
89 Mann Peter P Rev ⊛ TT2-6127
90 Brinkley John W ⊛ TT6-6658
93 Hollins Wm B ⊛ TT2-0145
94 Dabney Oliver J ⊛ TT6-7847
97 Strickland John ⊛ TT2-8194
98 Tillman Hollace ⊛
101 Johnson Horace C ⊛ TT5-8814
102 Blassingame Wm A ⊛ TT3-7345
104 Atkins Harold S ⊛
Balderer Fred TT3-8119
105 McMillan Gwendolyn Mrs ⊛ TT3-0737

120

Wohlers av intersects
114 Hayes John TT5-0358
115 Thurmond Marion R ⊛ TT2-7494
117 McCall Gertha M Mrs ⊛ TT2-4025
118 Hardy Herbert T ⊛ TT6-6292
121 Banks Howard S ⊛ TT5-1593
122 Page Edw W ⊛ TT2-6955
125 Anderson Robt W ⊛ TT6-5079
126 Mitchell Thaddeus ⊛ TT3-4381
129 Chapman Chas A ⊛ TT4-2504
130 McGarrah Chas ⊛ TT3-1688
133 Pitts Henry J ⊛ TT5-4648
134 Jones Thos jr ⊛ TT2-9628
137 Bailey Eug ⊛ TT2-7550
138 Johnson Wm H ⊛ TT4-4943
139 Stewart Troy D ⊛ TT2-6493
142 Taylor S Dempsey ⊛ TT6-1376
143 Manns Bernice Mrs ⊛ TT4-5717
144 James Mattie B Mrs ⊛ TT6-1817
147 Johnson Alf jr ⊛ TT4-3150
148 Knight Lonid
Valentine Mary A Mrs TT6-3439
151 Kemp John C ⊛ TT6-6198
152 Zator Stanley ⊛ TT6-5977
155 Jenkins Wm ⊛ TT5-2103
156 Watkins Lemuel O ⊛ TT3-5756
159 Douglas Jas E ⊛ TT6-8250
160 Arnett Wm H ⊛ TT4-5768
163 Klocsz Ida Mrs ⊛ TT3-6242
Dickson Abe ⊛ 884-5512
164 Vacant
167 Hall Boyd jr ⊛ TT6-6662
168 Rainey Robt ⊛ TT2-8408
171 Jones Curtis A TT3-1672
172 Curry John R TT2-1704
175 Peoples Wm E ⊛ TT3-2235
178 Simpkins Mitchell ⊛ TT6-4248
179 Johnson Theo TT4-0471
Washington Jas L ⊛ TT4-2063
182 Hardiman Winton J ⊛ TT6-0054
183 Jones Bertha W Mrs ⊛ TT3-8651
184 Traylor Larue ⊛ TT3-1910
187 Dow Zillie ⊛ TT3-7896
188 Kleinfelder Geo D ⊛ TT5-8521
191 Marshall Milton M ⊛ TT2-0007

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75 W. MOHAWK ST.
BUFFALO, N. Y. 14202
PHONE 854-4420

LARK—Contd
32 Doyle James P ⊙ TX3-9346
35 Porreca Jos ⊙ TX2-5493
Deney Albert A TX3-4594
36 Hinkle Plez ⊙ TX3-5276
Singletary Alward TX6-3412
37 Thompson Fred 896-7884
rear Sanders Oscar J 893-3326
38 Aschieri Irene Mrs ⊙ TX2-7153
40 DeMarzio Pamfilo ⊙
Serafini Philip TX2-5591
41 Burnett Sylvester
Smith Clifton R
43 Houser I Wm TX2-9120
Achenbach Gustav ⊙ TX5-2364
44 Grasso Geo C ⊙ TX2-6670
Drummond Johanna C Mrs TX4-4075
47 Tabor Millard D Mrs TX5-5229
Gaudszun Carl TX5-5873
48 Coates Edw
Cooper Emanuel C ⊙ TX6-0996
51 Foster Norman F 893-4057
Moore Wm W ⊙ 896-3356
52 Johnson Norma TX5-0087
Gist Joseph N TX6-3614
53 Tarabula Julia T Mrs ⊙ TX2-7006
Lucas Robt G
55 Swartz Wm ⊙ 894-6571
56 Harris Robt J TX6-5025
Clark Rachel Mrs 892-4717
58 Richardson Anna Mrs TX2-9690
Foreman Johnnie M Mrs
Lewis Godfrey D
62 Brown Collins
Jones Roosevelt J
74 Hames Josh TX6-1592
75 Boneberg Vernon N ⊙ 893-2084
76 Hines Billy W 896-3540
77 Schrader Wm C ⊙ TX2-3364
78 Sibilio Jos ⊙ TX2-2984
79 Lipinski Angelina Mrs ⊙ TX3-3527
80 Rowley Franklin TX6-4349
Rzepka Mary Mrs TX5-0239
81 Steinbruckner Geo A TX5-9757
Stockman Amby H TX3-3509
82 Rowley Leland TX2-1522
rear Denler Sheet Metal Inc TX3-6706
83 King Wm L 894-7896
84 Ricks Ruby
Giafaglione Frank S TX3-6314
85 Lee Rufus ⊙ TX5-9326
Northland av intersects

40

LARKIN—From ½ blk south of Roseville north to Seneca, 1 west of Van-Rensselaer
Zone 10
189 Misechok Steph TL2-8088
Misiak Peter J ⊙
197 Lafferty Richd W
205 Vacant
207 Woroniecki Edw J TL3-9277
209 Vacant
211 Horn Richd C ⊙
George Austin 856-4299
215 Hathcock Johnny TL5-5091
Roseville begins
241 United Parcel Serv TL6-6912
Erie RR crosses
Exchange intersects
290-302 Wilson Warehouse Inc TL3-3500
Meyers James O Sons chem mfrs TL3-5300
Waters Metal Products Inc TL2-3057
Transcopy Div Anken Chemical & Film Corp photocopying mach TL4-6248
Johnson SC & Son Inc wax products TL6-0198
Bates Soap Corp mfr 852-8435
315 Garry Laboratories Inc Auto wax TL6-2309
Blum Paul Co industrial matls TL3-8555
Seneca intersects

200

LASALLE AV—From 3025 Main east
Zone 14
15 Duffy Geo J 836-3366
21 Vacant
25 Neal Lee A ⊙ boiler repr TF6-2446
Danese Arth 836-5749
26 Walker Geo W & Sons Inc stge yd TF3-4363
29 Foster Frank H TF5-0824
Cipriani Dominick ⊙ 834-9258
33 Irwin Beauty Salon TF6-3379
Irwin Mary TF6-3379
rear Walls Wm J ⊙ TF3-1961
36 Anton Earl ⊙ TF4-6884
Earl's Recovering Service uphol TF4-6884
37 Steeb John M ⊙ TF2-0132
Phinney Roger 833-5102
39 North Main Lumber Co Inc (whse)
40 Gerber Eug ⊙ TF5-6410
Starck Caroline A TF5-8244
Bengtson Ida B Mrs TF4-5656
45 DiMarco Salvatore ⊙ TF5-1361
Nielsen James N TF4-8313
48 Shaw Thos G ⊙ TF5-1037
Cook Nellie
Fisher Maude
49 North Main Lumber Co Inc TF3-4444
52 McCarthy Wilfred ⊙ 836-1794
56 Karnath Rudolph ⊙ TF2-6691
60 Roof Paul M ⊙ TF2-3011
70 Vacant
71 Henter Construction Corp TF5-1054 TF5-1731
73 Neville Greg Lumber Co TF4-3038
74 Vacant
78 Vacant
80 Loewer Ruth Mrs TF4-5109
Schenk Carl G ⊙ TF4-6091
83 Waldheim Ornamental Iron Works TF3-6520
89 C & C Catering Co TF4-6939
92 Fuller J Jay & Staff adv TF3-6711
Fuller J Jay TF3-6711
Latshaw Geo F TF5-8652
Weber Alf TF6-8531
Corcoran Verna H TF4-5733
98 Hausler Gerald W ⊙ TD2-7212
Hausler Frances B Mrs ⊙ TF4-3767
100 Kramer Chas G TF4-5340
Chunco Wm R 834-0927
101 Weber Otto Lumber Co TF2-3636
106 Gustafsoh Augusta Mrs ⊙ TF4-1815
110 Warning Florence E Mrs ⊙ TF3-1288
114 Korzelius Kath K TF4-1193
Carey Joseph F TF4-1833
Egner Esther TF4-1211
Harpster Jacob E jr TF4-8130
115 LaSalle Auto & Battery Service TF6-9355
Cordova begins
127 Korzelius Wm J ⊙ TF5-5481
130 Martin Jas A ⊙ TF5-6268
131 Gundy Jerome F ⊙ TF2-1543
Sainsbury M 883-7469
134 Thompson Wallace T 837-5944
135 Coon Esther C Mrs ⊙ TF4-4429
137 Wagner Russell G ⊙ TF4-0842
Loos Albert
140 Kruger Niels L ⊙ TF2-1527
141 Wilken Jessie Mrs TF5-6709
142 Kelker John P ⊙ TF2-6786
148 McMahon Jas P ⊙ TF4-5455
152 DiNardo Leo ⊙ TF4-2709
153 Adams Wm G TF3-5573
Maragliano Dennis S TF5-5375
154 West Carl E ⊙ TF2-6422
Mayer Edgar TF3-9036
155 Duncan Albert N ⊙ TF2-6708
Hollaway Joyce 833-8935
157 Frost Harlan M Rev ⊙ TF3-7653
158 Davis Nancy P Mrs ⊙
Hawes Herbert C TF3-9938
162 Kiener Geo A TF6-5410
Appleton Chas T 834-2272
163 Hughes Kenneth W ⊙ TF2-1171
166 Koelmeyer Peter ⊙ TF5-2110
167 Draper Geo E ⊙ TF3-8173
169 Wise Jas R ⊙ TF5-9280
Range av ends
172 Smits Cornelius G ⊙ TF4-9546
176 Tasman Morris TF4-9796
Kniery David J TF5-4450
177 Stevenson Francis A ⊙ TF3-0941
180 Stevenson E Allen ⊙ TF2-1020
181 Cofrancesco Salvatore J ⊙ TF5-5948
185 Moser Joseph D ⊙ TF5-7180
Taggert John R ins TF4-1254
186 Sapecky Alf J ⊙ TF3-7680
188 Wenger Edw C ⊙ TF2-5522
189 Evans Geo W ⊙ TF5-1687
Kontos Rose L TF2-2555
192 Wenger Edna L Mrs ⊙ TF4-8884
193 Hart Maurice R TF3-9129
Ulrich Edw C ⊙ bldg contr TF3-8896
196 Schoolmaster Geo H ⊙ TF2-4726
Strauss Geo V TF2-8065
197 Wray Helen Mrs ⊙ 836-7772
Trexler Helen B Mrs ⊙ TF2-1042
200 Ippolito Chas ⊙ TF2-2550
Salerno Vincent ⊙ TF2-8035
201 Favre Jean W ⊙ TF4-1789
204 Spinuzza Russell A ⊙ TF4-1216
Reger John J ⊙ TF2-5164
205 Seitz Homer R ⊙ TF2-7449
208 Meyer Harold G plmb TF4-0900
209 Krieger Elbert G ⊙
211 Love Jas T ⊙ TF2-0109
Harkins Francis J TF2-8642
212 Winter Paul ⊙ TF5-8610
Bartolotta Salvatore TF5-1678
213 Dustin Roger E TF4-4563
216 Hemerlein Wm E ⊙ TF4-7083
Maul Mildred B TF6-6189
217 Roth Sophia E Mrs TF2-9548
Shearer Ruth L TF4-3991
220 Mercurio Michl J ⊙ TF4-5085
Pilham James H TF5-7531
221 Lyba Peter TF5-1092
224 Carland Esther M Mrs ⊙ TF4-8806
Zaworski Robt E TF5-0526
225 Thomann Edwin F ⊙ TF4-2821
229 Risher Norman G ⊙ TF2-7096
230 Smith Alice M Mrs TF5-2630
Park Ridge av intersects
Zone 15
240 Cannon Geo T TF3-6478
Walbesser Henry H ⊙ TF4-0562
241 Quigley Harold
Maute Jos F ⊙ TF3-0955
245 Westefield Lawrence J ⊙ TF6-7428
246 Fischle Geo H ⊙ TF4-1209
Peiker Margt 832-1816
249 Miller Amabel S Mrs ⊙ TF6-8824
Spuier Wm T TF7-3380
250 Gene's TV Serv TF3-4632
Hammond Gene ⊙ TF3-4632
253 Bartholomew Anthony ⊙ TF3-4229
Ryan Patrick E 832-4754
254 Matthies Lester J ⊙ TF3-1449
Hoffman Jack TF2-2008
257 Gillman Ann Mrs ⊙ TF2-3226
Gilmour John H
258 Bauda Russell M ⊙ TF4-9891
Henrick Jack TF6-0772
260 Summers Paul P ⊙ TF2-4970
Bechtel Loretta C Mrs TF2-8108
263 Moore Clara Mrs ⊙ TF6-8134
264 Allex Viola Mrs ⊙ TF6-2981
265 Nitshke Cora C
VanEps Donald G TF4-3994
266 Ales Elmer R ⊙ TF2-9222
Chace Allan S 832-9898
269 Verrastro Leonard F ⊙ 837-3716
Qualey Rose B Mrs TF2-3501
272 Fortkort Arth L ⊙ TF2-7144
Garey Jas A TF3-8369
273 Schreier W Leon ⊙ bldg contr TF2-4816
Mattison Sidney G adv council TF5-0590
276 Mathews John J ⊙ TF6-5180
Pasquarella Louis P TF5-9890
280 Schweizer Gertrude M Mrs ⊙ TF6-7138
281 Abbott Clayton E ⊙ TF5-2548
285 Boddy Clarence T ⊙
286 Lewis Mabel A Mrs ⊙ int dec TF4-0964
Walker Kenneth
290 Wieland Robt E ⊙ TF5-6849
Crosman Donald A TF5-5570
291 Streit Wm H ⊙ TF5-8691
294 Luitink J Jouert ⊙ TF3-2034
295 Marx Fred J ⊙ TF3-0400
297 Martinke Geo E ⊙ plmb TF3-1914
298 Stosser Marian M Mrs TF3-6039
301 Cram Margt A Mrs ⊙ ins TF4-4929
302 Martin Jean A ⊙ TF3-8068
305 Meyer Robt H ⊙ TF2-4918
306 Reger John M ⊙ TF4-2702
308 Markham Elmer L ⊙ TF3-0360
309 Orr John J TF6-3494
Golinski Jessie D Mrs ⊙ TF2-7241
313 Schoch Donald P ⊙ 835-6991
Maul Donald J TF6-4304
314 Knoerl Edw J ⊙ TF3-1698
Krause Herbert J TF3-6753
317 Alessi Frank L ⊙ TF2-7234
Havlik Arth J TF5-7669
318 McGowan Mary K Mrs ⊙ TF2-1465
321 Kraatz Mildred M ⊙ TF4-9492
Ruppert John C TF5-0995
322 Santucci Carmen ⊙ TF3-2039

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Who's Who— and Where?
Such questions can only be answered by the Directory and that is where people look when they want to buy.
Are you properly displayed therein to get the business?

EXCHANGE ST 1960

ESSEX—Contd
45 Johnson Carl J
Guarisco Anthony
45½ Colson Chas M
Strohm Lillian M
46 King Harry H ⓪
Dentico Philip
Brock Frank
48 Kemps Albertha G
49 Shyne John M
Coady Chas E
Ceaser Wesley A
49½ Mancuso Chas F
McLaughlin Geo G
51 Pomplun Albert W
Robb Lloyd
Massachusetts av intersects

4
EUCLID PLACE — From 370 South Park av north to Elk
12 Lynch Arth W
Sikorski Angeline Mrs ⓪
13 Bauer Caroline Mrs
Trusnik James J
16 Wells Harry J
Schultz Edw
18 Sieg Mary R ⓪
19 Mead Robt W ⓪
Franks Sophia Mrs
20 Kinsella Georgia M ⓪
24 Kaczor Stanley ⓪
Maskulinski Harry
29 Sierakowski Mary A Mrs
30 Roche Wm D
rear Cole Darrell L
32 Beaman John ⓪
Prenatt begins
37 Getz James ⓪
39 Rehak Anthony ⓪
Desmone Phillip
40 Olson Harold gro
Wise Raymond
Main Geo K
43 Zokus Wm ⓪
Knibbs Ronald A
44 Fick Cath C Mrs ⓪
45 Polhamus Robt M ⓪
46 Gruver Ardath F Mrs ⓪
49 Nowak Frances Mrs
Bakowski Stella Mrs
50 Orluk Walter F ⓪
51 Doherty Thos J ⓪
52 Pittner Agnes M Mrs ⓪
55 Orluk Wm F
Iwaszczenko Alex
Penders Ann
Barry Margt Mrs
56 Baran Jacob ⓪
Marszlek Frank
57 Harenda Emily Mrs
Gilcrist Claudia
58 Racki Anna Mrs ⓪
60 Morgan Irene D ⓪
64 Dunbar Neal J
Verdi Wayne S
66 Manjian Carmela D
Fox Joseph F
Elk intersects

101
EUGENE — From DL&WRR north to 1500 Kenmore av
20 Sheffield Lyle ⓪
21 Neary John R ⓪
24 Steffin Wm C ⓪
25 **Apartments**
1 Hayes Louise Mrs
2 Krywalski Robt W
3 Holmes Herbert M
4 Brunner Clarence H
29 Vastola Donald N ⓪
30 Ash Amon L ⓪
34 Reardon Joseph N ⓪
35 Fish Eug H ⓪
37 Hackett Russell
38 Roberts Donald A
Ramsdell av intersects
41 Kerr Geo N ⓪
42 Barabasz Karol ⓪
50 Yanz Clifford C ⓪
51 Prickett Chas T
54 Donovan Benj F ⓪
57 Hillimon Norman A ⓪
Kaletta John ⓪
62 Hahn Robt V ⓪
63 Large Thos A ⓪
65 VanHouten Robt S ⓪
66 Jones Lloyd R ⓪
69 Bridger Edw J ⓪
71 Ken-Gene Superette gro
75 Depp Raymond
Kenmore av intersects

16
EUREKA PLACE — From 338 Sycamore north to Genesee
14 Vacant
15 Gross Cleveland
Whitfield Chas E
rear Keitz Edw G
16 Evans Edgar
Morris Wm
18 Smith R B ⓪
19 Mabley Alf B ⓪
Smith Florence Mrs
23 Clark Blocker ⓪
24 Smith Rosebor ⓪
25 Wright Mary J Mrs ⓪
Pitts Wm ⓪
27 Young Kath Mrs
Goff Edw C ⓪
31 Cheatam Willie
33 Menefee Alex
37 Belcher Joseph
LeGree Ben
rear Washington Mary Mrs
40 Underwood Cleveland
Cloud Robt J
43 Mathies Mattie Mrs
Russels Michl H
44 Bryant Luther W ⓪
46 Lippman A & Son's (stge)
47 Carter Jas B ⓪
48 Chestnut Inez M Mrs
Thompson Bertha Mrs
51 Spratling Simie L
52 Hawkins Vester ⓪
55 Perry Simon
Rainey Louis
Brown Frances Mrs
Trotter John
57 Jones Frank A ⓪
Robinson James
62 Smallwood Henry W
Fuqua John
63 Branch Sidney
rear Rainey Louis
Rainey John
65 Davis Maggie Mrs ⓪
rear Moore Chris
67 Jackson Wm ⓪
Boyland Bertha
Genesee intersects

123
EVADENE—From 143 Englewood av northeast to Mountrose av
14 Spoor John
Ludwig Robt C
17 Lawson Thos S ⓪
18 Metz Marie L ⓪
Strootman T Dorothy
21 Haas Edw ⓪
22 Page Mary R Mrs ⓪
25 Shivens Jos A ⓪
26 Weekes Lillian M Mrs
Blewett Timothy E jr
27 Caruana Blase F ⓪
Perry Robt L
28 Panton Harry A ⓪
Montrose av intersects

7
EVANS—From DL&WRR to Dante pl

50
EVANSTON PLACE — From Sibley east to Julius, 1 south of Downing
14 Magro Domenick L ⓪
18 Shea Arth J ⓪
22 Keitsch Allen C ⓪
26 Forsythe Wm J ⓪
Augusta begins
29 Barry Eug T ⓪
33 Cohen Richd M ⓪
36 Indridson Christian M
Carr Jas W
37 Frantzen Geo K ⓪
38 Fischer Glenn T
Poss Roy J ⓪
41 Gold Harlem H ⓪
44 Battin Jas V ⓪
47 Malhar Kevin D ⓪
50 Veracka Wm
Shannon John B
51 Johnson Richd A ⓪
55 Hynes Joseph E ⓪
58 Betti Gino
Oliver Joseph A ⓪
62 Markwell Wm A
Metelski Geo ⓪
63 Vacant
67 Szewczyk Andrew ⓪
Gaber Edw
Julius intersects

83
EVELYN—From 355 Esser av southeast to NYCRR
11 Lukacz John ⓪
Lumberg Sigmund J
15 Wagner Joseph S ⓪
Kelly Joseph C
19 Davis Thos W
Kwiatkowski Jos W
20 Johnston Harold R ⓪
21 Nisbet Wm C
26 Malaney Robt P ⓪
27 Durkee Frank E ⓪
30 Rung Edw R ⓪
33 Pierce Chas S ⓪
34 Kollmar Donald L ⓪
37 Hadaway Thos E ⓪
38 Schmitt Wilbert P ⓪
41 McVey Elsy D ⓪
45 Schmidt Herbert F jr ⓪
46 Mock Alvin J ⓪
49 Sweet Elmer D ⓪
50 Kensek Henry ⓪
Brehm Ottmar K
51 Kirschner Rudolph J ⓪
Julie's Beauty Shop
52 Hallett Thos S ⓪
54 Jones Ann C ⓪
55 Kania Walter ⓪
56 Brown Clarence J ⓪
57 Dressel Wm A ⓪
Vogel Raymond L
58 Huff Leo S ⓪
Ledwin Wm J
61 Keeley Geo A ⓪
62 Navadel Geo M
Neff Joseph
63 G W Products tv parts & serv
Wood Leonard H ⓪
64 Fell Chas
Smith Elmer P
67 Cheman Aug M ⓪
68 Goelz Wm F ⓪
69 Domaracki Frank J ⓪
70 Papadick Wm P ⓪
73 Gunning Herbert J
Clark Ernest ⓪
74 Taylor Roy B ⓪
Ralph Jesse G
75 Thousandfriend Gustave ⓪
76 Bartnik Walter J
79 Sanders Eliz W ⓪
80 Bartoszek Stanley J ⓪
81 Morrison Jas W ⓪ watch repr
82 Lozinsky John J ⓪
Onatrio intersects
116 Kollmar Gordon F
Kish James ⓪
120 Christer Robt Wm ⓪
121 Swain Vincent E ⓪
123 Yalenik Albert ⓪
126 Martin Jackson J ⓪
127 Matyus Gaza J ⓪
128 McDowell David ⓪
131 McGee Anna Mrs ⓪
132 Pearson John H ⓪
133 Magyar Michl J ⓪
134 Koncsol Louis ⓪
138 Murphy Nora Mrs ⓪
139 Bogar Julia Mrs
140 Sill Clair E ⓪
144 Breitweiser Robt L ⓪
145 Sullivan Thos ⓪
146 Martin Anna Mrs ⓪
149 French Andrew N ⓪
151 Reuillard Camille J ⓪
153 Griffin Frances M ⓪
NYCRR crosses

2-B1
EXCHANGE—From 171 Main east beyond Selkirk
10-12 Vacant
14 Knox's Billy Grill
Knox Wm T
Kindt Eug
2B-2
Washington intersects
48 Hex Mfg Co novelty mfrs
Hex Carnival Catering Co
50-52 Cresbury Clothes Inc (ofc)
54-58 Avon Hotel
Avon Hotel Cafe
Young Geo C ⓪
Ellicott begins
74-78 Vacant
80 Baker James Hausauer Inc (whse)
86-88 Root Press printers
Wells begins
142 Young Sylvester furn rms
152 Young James
154 Trapani Div Frontier Railway Maintenance Co Inc
Young Jas
158-60 Montgomery's Hotel Harrison Herman
160 Smith Bernice
176-78 Central City Hotel
Michigan av intersects
8
Chicago overpass
Louisiana overpass
Alabama intersects (ss not open)
NYCSystem crosses
Hamburg overpass
565-67 Craver Dickinson Seed Co
568 Dingeldey Geo W
Milligan Michl F
Spytman G Adalbert
578 Oppenheimer Corp industrial chem
586 Schreiber Trucking Co Inc
Jefferson av begins (not open)
40
NYCRR crosses
600 Schreiber Trucking Co Inc
Vogel John Inc
Interstate Truck Service
Dorn's Transportation Inc
650 Trailmobile Inc (br)
659 Iroquois Door Co
Larkin intersects
669 Wabash RRCo (Buffalo Term Div)
VanRensselaer overpass
Hydraulic intersects
(Not open between 1 block east of Hydraulic and Smith)
Smith intersects
927 Winkler John J
929 Hamerski Ignatius
931 Kobus Florence Mrs
933 Rysinski Edw
Zak Walter J
Andrew al ends
936 Vacant
938 Setlock Sophie Mrs
Nowicki Philip N
939 Wilson Mary Mrs
Kiedel Florian
941 Winiarski Stanley
rear Misiak Walter
945 Sluchan Roman ⓪
Kaminski Frank R
Sordyl av ends
949 Szczepanik Michl ⓪ gro
Benbenek Frank
951 Kobos Anna Mrs
Lenczyk Rose Mrs
Lenczyk Jas M
rear Mikolajczak Rose Mrs
Zuber Jos S
955 Kicinski Chester
Bednarz Philip
955 Bulera Walter F
rear Kicinski Edw M
961 Katry Michl
Gedej John
963 Zielewski Frank
Lauffer Albert M
Imbirowicz Alf J
965 No return
967 Gorski Jos ⓪ gro
Wayman Nina E Mrs
Wiacek John T
Daytona al ends
969 Serwon Stanley
Dzielski Walter
979 Lester James E ⓪
Morlock Aloysius P ⓪
981 Kwaizer Chester ⓪
983 Podgorny Bertha ⓪
Pieczonka Matthew J
991 Lofek Frank E ⓪
Pius Felix
Selkirk ends
995 Szczepanik Edw A restr
Stachura Max
Szczepanik Victora Mrs ⓪
997 Grochol Vincent ⓪
Starzynski Anthony W
999 Denek Steph ⓪
Stelmech Alf E
Karas Frank
rear Frydrychowski Alf
1001 Minor Walter L restr
Szczepanik Jos M ⓪
Lewandowski Steph
rear Szczepanik Matthew E

1B-6
EXPRESS ALLEY—From 218 Pearl west to Franklin
Franklin intersects

99
FAIRCHILD PLACE — From Linden av north to 1183 Hertel av
1 Brossway Margt M Mrs
Reith Hermann
2 Mineo Anthony
5 Popko Constantine ⓪
Miller Marie Mrs
6 D'Addario Geo J ⓪
Montonte Peter J ⓪
9 Randolph Lucy Mrs ⓪
10 Petrino Frank ⓪
Koralewski Leon
15 Corcoran Eug ⓪
16 Ryan Jas E ⓪
Ryan Kath Mrs
17 Golding Jas G
18 Chase Chas F
Stevens Kenneth F
Fitzgibbons Theresa
20 Burke Ginger
Tarpley Geneva Mrs
23 O'Rourke Arth B ⓪
Bernbeck Norman J
24 Woods Jos T ⓪
27 Gerace Carl C ⓪
28 Gantress Edw W ⓪
29 Creamer Harry W ⓪
30 Onions Frances M Mrs ⓪
Tioga begins
33 Brodie Jas H
Wannemacher Charlotte J
37 Housman John
Kryswick Ruth F Mrs
39 Ryan Howard
40 Knisley Albert J
Salerno Jos T ⓪
43 Sticht Jos F ⓪
Sticht Norbert ⓪
44 Fitzgibbons Harold J jr
Haft Fredk W ⓪
45 Pohl Jacob J
Miller Edw
48 Lund Roy L ⓪
49 Fontana Santina Mrs ⓪
52 Parker Gertrude C ⓪
53 Faraci Salvatore
Belsito Louis J ⓪
54 Heavey Martin R ⓪
57 Woodward Danl J ⓪
58 Magro Amie J ⓪
Lazarski Danl
59 Smith John L ⓪
62 Hayes Clement E ⓪
Grabenstatter Raymond C ⓪
63 Rose M Genevieve ⓪
65 Mlerzwa Jos S ⓪
66 Lettman Hyman ⓪
68 Yorko Anna Mrs ⓪
Dakota begins
69 Rockwood Leon S ⓪

FAIRCHILD PL—Contd
71 Martin Wallace R ⓪
Carey Marie L
75 Gilbert Lawrence
Lawall Clair A
78 Oleshak John ⓪
Stauber Edwin
79 Libertore Henry T ⓪
Babcock Ralph
83 Clark Olive T Mrs ⓪
Martin Stuart
84 Lazroe Martin L ⓪
85 Marrale Constantine ⓪
DeSantis Alfonso
88 Durning Paul D ⓪
89 Forrest Anna C Mrs ⓪
91 Audino Russell J ⓪
Ryan Alice H Mrs
92 Pelosi Frank R ⓪
95 Pearl David J junk
Honig Helen Mrs
96 Robertson Bertha S Mrs ⓪
Kelly Eugene D
98 Wilson Sarah Mrs ⓪
Boland W E
102 Ehrlich Phillip J
Strauss Fannie Mrs ⓪
Hertel av intersects

115
FAIRFIELD — From 2516 Main northwest to Amherst
14 Brown Helen Mrs
Johnson Frances M
16 Clarke Allan M ⓪
Scelsi Jos J
18 Florian Harry J ⓪
22 Stauffiger Harriett E Mrs ⓪
24 Rausch Stanley F ⓪
Dunford Robt J
25 Pfohl Louis L ⓪
26 Leair John M
28 Ebner Edw A
Matter Gloria M Mrs
34 Frank Doras M
Gross Ruth E
Simon Jas E
Geckler Robt C
35 DiNatale Alf W ⓪
Hilliker Angela
36 Ervin Sadie L Mrs ⓪
Long Jennie Mrs
39 Russell Caroline Mrs ⓪
40 Evans Grace T Mrs ⓪
42 Catalano Fabian C ⓪
Catalano Fabian C jr ⓪
44 Bruce Lula C Mrs ⓪
Hull Chas A
50 Alf Anne L ⓪
54 Ebner Thos J ⓪
Radel Gordon F
Orchard pl ends
57 Neeler Blanche Mrs ⓪
Pfau Willis F
58 Marks Violet Mrs
McCracken Chas A
59 Monan Agnes Mrs ⓪
Cutting Marie Mrs
60 Jettas Winifred M Mrs
Byrne Howard G
62 Willis Lillian Mrs ⓪
Stanley Edna Mrs
63 Wallace John T ⓪
Schillinger Allen
Seroka John
68 O'Connor John E
69 Riley Millard ⓪
70 Korzelius Edw G
Marillo Mary L Mrs ⓪
71 Bakos Walter ⓪
72 Yeager Anna B Mrs ⓪
Doherty Wm J
73 Bakos Jas M
75 Spann Laura J ⓪
76 Desmon Simon ⓪
Schultz Frank
78 Kilcoyne Robt
Kidd Gordon L jr
82 Shelby Thos R
Reilly Marie H Mrs
84 Nellany Edw J ⓪
Krisher Philip E
88 Grabowski Richd ⓪
Ditzler Clarence J
Vernon pl intersects
92 Wetzel Wm G ⓪
94 McKee Jos I ⓪
98 Polder Cecelia M Mrs ⓪
100 Smith Decker R ⓪
103 Reardon Jas L ⓪
104 Jackson Paul H ⓪
105 Friol Louis N ⓪
106 Turner Jos F ⓪
Cain Clinton
107 Stearn Eugenia
Leufgen Albert H
109 Constantino Benny F ⓪
110 VanVolkenburg Danl I ⓪
Richter Paul J
112 Kreinheder Henry W ⓪
Costello Gertrude Mrs
116 VandeWater Jerome D ⓪
122 Rybicki Jos ⓪
Wheaton Caroline M Mrs
124 Savage Earl P ⓪
Seil Geo E
Amherst intersects

66
FAIRVIEW PLACE — From 2302 Seneca northeast ½ block
13 O'Brian Chas A ⓪

CHEMICAL SALES CORPORATION

HAMBURG ST 1960

270 MICHIGAN AVE. NEW YORK TEL. TL 2-1962

HAGEN—Contd
67 Walczak Frank A
Love Alex C
68 Coker Marvin
Drews Frank J
Kerns intersects
77 Szmania John F
78 Wallace Franklin E
81 Damian Theo
Stetter Jos
82 Szymanski Stanley
83 Curtains Richd R I
84 Kreinheder Allan J
87 Quirin Wm H
88 Ziolkowski Wm M
91 Franz Albert G
92 Mazur Jos
95 Rozwarski Anthony S
96 Hornung Albert A jr
Hornung Louise Mrs
99 Knerr Robt T
Nabozny Stanley
100 Harlach Ray
103 Lysiak Stanley J
104 Spranger John
Maguire Ralph
107 Cook Everett E plmb
108 Johns Pauline
Puzan Leon J
111 Truax Anna M Mrs
112 Oppenlander Henry H
115 Miller Ottilie Mrs
116 Badding Aug
119 Helmicki Stanley J
120 Ruff Edw
Bauman Harry F
121 Kronbeck Anthony
122 Kamm Albert L
125 Heidle Fred W
126 Castigline Chas
129 Pfeil Peter P
130 Koester Karl F
133 Kreuter Arth A
134 Wolski Norman J
Kloepfer Paul
137 Benzin Wm H
138 Wutz Wm W
Kreuter Donald A
141 Wendlinger Louis J
142 Hillery Robt
Toy Layton C
145 Hammer Roy J
Newton Alice K Mrs
146 May Edw H
Schieder Hilda
Lang av intersects
153 Ruppert Chas J
Dux Carl V
154 Ross Mildred delicatessen
Frey Herman
157 Gangnagel Donald J
Neth Wm
158 Minger Jacob
159 Roman Anthony J
Menders Earl M
160 Paepke Gladye M Mrs
Szotnicki Stanley
161 Grygorcewicz Boleslow
163 Schroer Adolph C
164 Sailer Elemr J
Werelus Theresa A
165 Chapman Edwin E
Zimmerman Mary
166 Kasprzak John J
170 Piatkowski Frank F
171 Rogers Robt G
Rogers Earl H
172 Lindemann Violet E
Abrams Etta I Mrs
175 Bennett Wm M
Olen Chester R
176 Miller Arth J
177 Eisenhauer Louis J
178 Kaiser Wesley
179 Keller Eliz M Mrs
181 Mayer Geo G
182 Bilger Raymond
184 O'Connor Clement A
188 Miranda Dominic
189 Ponczkowski Frank A jr
190 Valentine Donald J
193 Grabowski Jos F
194 Francasso Rocco O
Margarucci Rose Mrs
195 Corkins Wilbert
196 LaRose Ralph J
Wozniak Leonard V
200 Buchner Frank A
201 Damian John F
202 Schaber Martin C
205 Ratka Leo P
206 Ermer Andrew J
207 Basher Wm D
208 Fries Edw E
211 Kraska Helen Mrs
212 Pilarski Aloysius J
213 Mattier Gerard
214 Scharra Herman
Winters Anne Mrs
216 Hauf Leonard
217 Victor Floyd H
219 Finn Jos
220 Wells Leonard
Nowicki Walter
222 Guenther Hilda
223 Maurer Henry C
225 Sturm Raymond C
226 Machnia Walter
Handzlik Edw J
229 Howard Ernest P
Josette Lorraine J
230 Valentine Ernest F
Bell John J
232 Brych Henry J
233 Heine Jos jr
235 Miller Robt L
236 Sobieraj Walter
Durlak Michl F
237 Murray Lester
240 Szen Anna Mrs
241 Happ Jack M
242 Thompson Florence M Mrs
243 Staebell Chas J
244 Mackert Arth F
247 Fechter Peter F
248 Monczynski Stanley R
Seymour Richd L
253 Heine Jos
Heine Wm E
254 Meinzinger Jos J
255 Gendzierski Frank J
256 Collier Anthony H
259 Smith Robt E
260 Miller Julius G
Heidrick Mary Mrs
261 Pratt Geo E
262 Cox Roy W
265 Klipper Richd A
Stephenson Robt
266 Trefertn Wm S
Wackenheim Albert G
E Delavan av intersects

120
HAGER—From 317 Northland av north to E Delavan av
3 Miles Saml
15 Felber Robt L
16 Chiddy Margt Mrs
Chiddy Fredk
17 Zollitsch Raymond J
20 Gibson Elven
Flood Tearlie Mrs
22 Dennis Curtiss
23 Jensen The Florist
Berg Walter E
24 Lewinski Jos
Florida intersects
39 Lalloz Emma Mrs
41 Saskowski Lottie C Mrs
43 Hellinger Albert
47 Lobbett Leo J
49 Manns Andrew D
53 Obersheimer Frank H
55 Scales Wm H
59 Loney Herbert
Uts Edwin C
Baranick Nicholas
61 Kurucz Michl J
64 Nia Lutheran Home nursing home
65 Brown Richd
Athans Nicholas
67 Martin John F
71 Siple Louise G Mrs
73 Moore John A
76 Smith Matilda J Mrs
Klein Wm G
77 Reed Wm D
77 Alexander Edna E
79 McBride Andrew
81 Fletcher Eliz M
82 Wertheimer Minnie Mrs
86 Przybyla Peter
E Delavan av intersects

40
HAGERMAN — From Swan north to Seymour, 1 west of Emslie
6 Nieman Wm A contr
Seymour intersects

53
HAGGART ALLEY—From Gull north to 37 W Ferry
W Ferry intersects

160
HALBERT—From Gesl north to Rodney av, intersecting 100 Leroy av
3 Holcomb Robt J
5 Schaffner Merle
9 Paolucci Lois Mrs
11 Chiz Eliz Mrs
15 Garrison Robt
17 James Florence E Mrs
19 Bowman Branch L
Lozinski Walter
23 Gagern Wm A
Forrester Hobert F
29 Malone Idella
Knerr Emma Mrs
Dewey av intersects
53 Bechtel John H
Zeitz Frank A
Haun Margt
55 Mikolajczyk Anthony A
56 Webb Wm G
59 Boss Raymond
Schiller Erving
Chapman Lillian Mrs
63 Patey Ralph A
64 Wyse Richd
Siracuse Robt
67 Kelly Roy B
68 Franks Wm
Knaier Gordon S
71 Hayden Wm jr
72 Vacanti Frank J
76 Lepore Angelo M
77 Conway Jas B
Bachmann Cath L
78 Winkelman John C
81 Stewart Wm M
Leroy av intersects
Brewster begins
Jewett av intersects
161 Currier Elmer E
167 O'Connell John J
O'Connor Danl
Monroe Kath I
169 Was John J
171 Halbert Restaurant
Phelps begins
179 Trico Products Corp (br)
Rodney av intersects

93
HALLAM ROAD — From 161 Middlesex rd north to Bedford av
24 Davis Jos D
25 Berger Louis L jr
30 Lansky Jacob
35 Rumble Reba B Mrs
38 Kirchhofer Alf H
39 Smith Henry O jr
44 Milch Elmer
47 Obletz Benj E
55 Robb Randolph
56 Dautch Harold A
58 Goldstein David J
62 Lazar Louis
63 Smith Chas A
69 More Geo Y
72 Fruchtbaum Jacob
73 Taylor Phineas M
78 Block Lester H
81 Dolce Frank A
84 Levi Chas J
87 Ehrenreich Raymond
90 Greenberger Geo
95 Williams Reginald V jr
98 Glaser John M
101 Meyers Raymond R
102 Leve G Benj
Bedford av intersects

4
HAMBURG—From South north to 533 Swan
16 Gasak Mary B Mrs
Grable A C
20 Kennedy Roland
22 Hennigan Wm
24 Lavalle John
28 Thomas Bertha Mrs
30 Dewer Susie Mrs
Butler Geo A
32 Lock Mary Mrs
Regelin Chester E
34 Hennigan Patk J
Hennigan John P
43 Eazor Exp Inc
44 Vacant
46 Horan Service auto repr
50 Furlong Jas B
Thompson Russell
Taylor Leo G
Erie RR crosses
Republic ends
73 Barry's Hamburg Tavern restr
Barry John J
74 Badaszewski Evans James
75 Solarczyk Julia Mrs
Sweat Vivian M Mrs
rear Hellems Jos P
76 Downs Wm J
Shine Hugh W
79 Guth Cyril
Benzel Robt F
Badaszewski Lottie Mrs
rear Marek Pauline Mrs
81 Maloney Wm J
Stevens Hubert J
85 Frankhauser Wm K
86 Jarecki Walter J
Jarecki John A
87 Smiles Serv Serv Sta gas sta
90 Balester Frank
Balester Frank P
Pascolini Amelia Mrs
Pilarski Irene
92 McCarthy John H
Redanz Richd C
94 Thompson Stuart J
Dockstader Edw W
96 Herbert Francis A
118 Public School No 34
O'Connell av intersects
125 Black's Delicatessen
LaBella Salvatore F
126 Zwolinski Bronislaus gro
Walls Irene Mrs
rear Evan Alex
127 Wade's Barber Shop
128 Sawchuk Martin
129 James Anderson cigars
McCarthy Eug W
131 Podesek Charlotte Mrs
Lukomski Frank H
134 Dabov Matthew M
Little Lawrence E
136 Stone Ernst B
137 Knox Richd C
O'Brien Raymond
138 Mehigan Raymond V
Horrigan Edw D
139 Noworyta Stanley
140 Cleary Edw J
rear Collins John J
141 Carroll Jerry
Mann Michl
142 Beasley John F
Burke Wm
143 Schmelz Julia Mrs
Bulgler Thos J
rear Angus Mary N Mrs
144 Hoffstetter Ella M
145 Catanzaro Anthony
146 Esis Fred
Esis Michl
Lovullo Angelo M
rear Miller Harry
149 McCarty Mabel
Foran Jas J
151 Tolkacz Edw J
152 Smith Wm J
Donovan Mary Mrs
153 Chilcott John J
Corcoran Thos F
156 Reilly Mary E
Smith Joseph D
158 Mann Eliz L Mrs
Mackinaw intersects
DL&WRR overpass
185 Fleming John T
189 Kennedy Wm T
Kirisits Jos
190 Wojtasik Frank
191 Michael Victor W
Burley Clyde
192 Skivinski Henry
Sullivan Cath M
193 Fitzgerald Anna Mrs
Roller Kath
197 Crocker Norman E
rear Skoklek Steven
198 Jedrysik Wm A
Wisniewski Frank
200 Beltran Antonio
Jedryski Jos J jr
201 Kelley Albert W
202 Gorkiewicz Fred A
203 Smietana Andrew
Zemko Anthony
204 Zedrysik Caroline Mrs
Mazur Walter J
Gorkiewicz Stanley
Miami ends
205 Burke Lillian Mrs
Kennedy Andrew J
207 Kempa Jos F
211 Everett Florence Mrs
215 Powers Raymond A
217 Szeremeta Anna Mrs
Tyczka Jos W
219 Gross Jack L jr
Gross Rosalie Mrs
220 LeCointe Blanche Mrs
221 Weisedell Chas F
222 Waver Herbert G trucking
Lawson John F
224 Arnoldi Anthony J
Mann Park
225 Ryan Bridget Mrs
Pozorski Wanda Mrs
rear Wisniewski Anastasya A Mrs
226 Vacant
228 Ryszka Stanley J
Harris John R
229 Ersing Nicholas J
Dones Jose
rear Eisenmenger Homer L
230 Baron Adolph
Baron Frank J
231 Swan Thos C
Farrar Jack W
rear Zemko Chas E
233 Balcarczyk Valeria Mrs
rear Pugh W G
234 Ackerman John
236 Zemko Victor M
South Park av intersects
264 Schukraft Wallace
265 Franczyk Jos W
Martin Lee
266 Linden Raymond F
Coatsworth al ends
267 Hayes David J
Ward Minnie Mrs
269 Yea Fanny Mrs
Carpenter Richd E
271 Podraza Walter T
273 Wilson Mary Mrs
274 Shields Claude C
275 Evoy Euphmia Mrs
Crawford Robt A
279 Bauer Anthony
281 Baihio Co delicatessen
Drew Frank J
Ruda Steven V
Fulton intersects
289 George's Delicatessen
Kolenko Ronald P
Egloff Wm
291 Rzenznik Walter
293 King Harry R
Mucha Edw G

HAMBURG—Contd
294 Apartments
1 Maloney Wm J
2 O'Brien John J
3 Considine Jas F
4 Scanlon Kath Mrs
5 Wright Rosemary Mrs
6 Kirby Marie
295 Kozlowski Walter
Kozlowski Konstanty
297 Gould Donald J
Jordans Peter W
298 Apartments
Zeidman Nathan
2 Zwelling Gertrude L
3 Castania Thos
4 Bauda John B
5 Phillips Pauline Mrs
6 Catalano Alfonse J
Stennard al ends
303 Kniazuk Alex
305 Isch Viola E Mrs
Cummings Francis
Manikowski Edw
307 Zupkov Nick
312 Apartments
1 Stannard Rita M Mrs
2 Gross Chas C
3 Johnson Nath
4 Dillon Kenneth D
5 Hampton Raymond
6 Barr Clarence L
316 Apartments
1 Lenahan John R
2 Kerr Rosetta Mrs
3 Howe Mabel B Mrs
4 McDonald Ned
5 Shelton Yvonne A
6 Anderson David C
Perry intersects
320 Apartments
1 Mesler Eliz Mrs
2 Kellar Bertha Mrs
3 Kuznicki Anne M Mrs
4 Vacant
5 Aulich Proxada Mrs
6 DiBenedetto Chas J
333 Tuzzio Anthony F
334 Apartments
1 Rundle Evelyn M Mrs O
2 Mazurkiewicz Edw
3 O'Mara Helen Mrs
4 Eberhardt Helen Mrs
5 Garnett Helen
6 Lorenzo Anastasio
Lehigh Valley RR overpass
Scott intersects
367 Whitmer-Jackson Co Inc The windows
374 Buffalo Sewer Authority (pumping sta)
NYCRR underpass
Railroad begins (not open)
8
Exchange underpass
Carroll intersects (not open)
NYCRR underpass
Seneca intersects
505 A & P Food Stores (bakery div)
Myrtle av intersects
519 A & P Food Stores (ofc and whse)
535 National Produce Division (div A&P Food Stores)
Swan intersects

91
HAMILTON — From Niagara River east to 302 Tonawanda
ft US Govt Customs Office RR yds
1 Buffalo Crushed Stone Corp (Gravel Products Div (Yds)
7 Vacant
Dana ends
9 Ziolkowski Jos
Szuck Gertrude
Kushman Natalie Mrs
Niagara intersects
30 Sauerwein Edith E Mrs
32 Rinard Donald
33 Wojcik John J
41 Hewson Josephine Mrs
43 Stickl's Bakery
Stickl Peter
Strausser Erma Mrs
Dearborn intersects
59 Hemfling Eliz
61 Hughes David J
62 Dold Michl C
67 Morehouse Clifford
68 Lieders Mkt
Ulanowski Benny
69 Knight Elmer V gros
Zorich Anthony F
East intersects
80 Raymond Margt Mrs
McCarthy Steph
Welser Laura E Mrs
84 Gatti Richd E
85 Newgard Barbara A Mrs
86 Keisser John L
Mitchell Geo
Crapez Kath Mrs
rear Vence Max

LARKIN ST 1960

LANGMEYER AV—Contd
68 Beer Ludwig J
Surmann Henry H
69 Wheeler Floyd D
Barner Layton
73 Otis Clifford E
Contact Earl W
74 Meissner Estella Mrs
Meissner Paul J
75 Gravius Minnie Mrs
76 Powalowski Walter I
Luksch Norman J
80 Mordino Jos G
Bergmann Ann W
81 Gomlak Henry F
Bailey av intersects

82
LANNETTE — From Central av, east to 1400 Bailey av (Not open at Bailey av)
Bailey av intersects

100
LANSDALE PLACE — From 451 Koons av east beyond Rustic pl
11 Ronald Charlotte G Mrs
Darling Chas A
13 Maciejewski Leonard S
Stolarski John
Rustic pl begins
19 Murawski Geo C
Imbierowski Eug
23 Banks Richd J
Rorarius Harry E
25 Grace Albert T
Finsterbach Mabel R Mrs
Nowak Gladimer
27 Szeluga Anthony F
Szeluga Anthony F jr
29 Pitzonka Paul
Mumm Geo
35 Schnobrich Frank H
Strassburg Loretta A
39 Kingsland Walter W
41 Shorten Robt
43 Brantell Arth
45 Beth Jacob Cemetery

91
LANSING — From Joslyn pl east to 200 Military rd
11 Klemowski Zigmund
Zavodny Andrew
15 Saramak John S
Malczewski Alex
17 Klemowski Danl
Bohmhauer Elmer
19 Simon Mary Mrs
Stypa Aloysius J
21 Pruchnowski Helen E
Gagola Matthew
26 Cladco Distributors Inc appls
Driscoll Geo Lbr Co
30 Green A P Fire Brick Co of Western NY sls ofc
Military rd intersects

50
LARABEE — From Hopkins east ½ block, 2 south of Marilla
12 Anol John S
16 Koch Adolph F

123
LARCHMONT ROAD — From 35 University av, north to Kenmore av
7 Lucitt Danl J
9 Danner Edwin J
11 Deck Gregory J
15 Priebe John W
21 McGroder Patk J jr
22 Getman David N
25 Murphy John B
26 Hodson Cline M
27 Tenjost Wm P
30 McIsaac Robt J
35 Bentley John S
36 Brandt Wm F
Radcliffe rd begins
39 Blight Nellie S Mrs
43 Mache Chas L
45 Mayer Mary Mrs
49 Lenzner Alf R
53 Head Alan S
57 Bray Eliz
61 Becker Edwin E
65 Dowd Kenneth C
69 No return
73 Mihich Enrico A
Bellevue av intersects
81 Young Robt D
82 Walls Walter S
87 McMahon Jas R
90 Diem Gerald B
91 Farrell Winifred Mrs
Farrell Frank A
93 Grimm Carl C
94 Christopher Geo C
98 Leiser Emma L Mrs
99 Soanes Doris L Mrs
102 Pankow Margt Mrs
103 Kirch Chas E
104 Austin Edw F
108 Gabriel Edith E Mrs
109 Daum Earle B
112 Daigler Roman J
115 Jacobs Pauline Mrs
116 Elsheimer Fredk C jwlr
117 Morrissey Franklin J
121 Senn Mildred Mrs
Kenmore av intersects

120
LARK — From 28 Sidney north to Northland av
14 Henderson Abbey
Freeney Robt L
15 Davis Sarah Mrs
Davis Donald H contr
16 Occhino Jos A
Fetto Phillip A
17 DiFrank Jos
Guerra Eug
19 Marasco Angelo
Doerr Walter J
20 Bailey Azeal
Foster Fred
21 Revillo Chas M
Beam Kenneth R
Preziuso Frank F
Innello Gaetano A
25 Posterman Rebecca Mrs
26 DeRuyter Dirk
29 Hopson Howard
Brewer Otto
30 Glerman Floyd
Whitlock Geo D
31 Rizzuto Joseph
Kaiser Joseph
32 Dalton Robt W
Jasinski John J
35 Porreca Jos
Deney Albert A
36 DeMarzio Eliz Mrs
Doyle Jas R
37 Filsinger Lillian
Cook Sherwood
38 Aschieri Irene Mrs
Aschieri Jos
40 DeMarzio Pamfilo
Serafini Philip
Tozzo Francis J
41 Bacon John O
Dados Irene Mrs
43 Houser I Wm
Achenbach Gustav
44 Grasso Geo C
Flattery Wm J
47 Brindley Jessie Mrs
Gaudszun Carl
48 Smits John W
51 Henfling Frank X
Henfling Franklin
52 Allen Tom
53 Tarabula Julia T Mrs
55 Swartz Wm
56 Clark Rachel
58 Richardson Anna Mrs
Foreman Johnnie M
62 Vacant
74 Iadarola Vincent J
75 Grupp Arth E
76 LaVorgna Alf G
77 Schrader Wm C
78 Sibilio Jos
79 Lipinski Angelina Mrs
Vaughan Danl W
81 Steinbruckner Geo A
Bockman Amby H
82 Denler Louis F sht mtl wkr
83 Rzepka Florian T
84 Giasfaglione Frank S
Sibilio Jos jr
85 Weiss Ann A Mrs
Benzel Alice
Giza Mary Mrs
Northland av intersects

40
LARKIN — From ½ block south of Roseville north to Seneca, 1 west of VanReneselaer
189 Misechok Steph
Misiak Peter
197 Patrizi Frank A
Schranz Dolly Mrs
205 Hanly Elaine K Mrs
207 Sadowski Arth S
Lapincki Arth W
209 Papaj Eug D
211 Horn Richd C
215 Horymski Gertrude Mrs
Roseville begins
241 Ryder Truck Rental Inc (garage and stge)
Erie RR crosses
Exchange intersects
290-32 Wilson Warehouse Inc
Shell Oil Co ofc
Meyers James O Sons chem mfrs
Johnson SC& Son Inc wax products
Birdair Structures Inc research
Strong Cobb Arner Inc (br) chemists
Bates Soap Corp
Triangle Chemical Co whol chemicals
315 Electric Apparatus elec equip
G & R Elec Corp elec equip
G & B Scrap & Commodity Corp junk
Seneca intersects

200
LA SALLE AV — From 3025 Main, east to Eggert rd
15 Vacant
21 Weather-Guard Combination Window Co
25 Neal Lee
29 Zambito Vincent J cement contr
Foster Frank
33 Walls Wm J
36 Anton Earl A
Earl's Recovering Service
37 Steeb John M
40 Gerber Eug
Mays Gerald A
Liberman Seymour
41 North Main Lumber Co (whse)
45 DiMarco Salvatore
Quigley Lillian D Mrs
48 Shaw Thos G
Cook Nellie
49-65 North Main Lumber Co Inc
52 Prentice Ralph L
56 Karnath Rudolph
60 Mulertt Hans
71 Henter Construction Corp genl contr
73 Neville-Gregg Lumber Co Inc
74 Vacant
78 Wenke Rudolph P
Wenke Donald P
80 Schenk Carl G
83 Waldheim Ornamental Iron Works
89 C & C Catering Co
92 Fuller J Jay & Staff adv
Fuller J Jay
Latshaw Geo F
Weber Alf
Corocoran Verna H
92 Fuller J Jay
98 Hausler Gerald W
Hausler Frances Mrs
100 Kramer Chas G
Galanis Anastasia Mrs
101 Weber Otto Lumber Co
106 Gustafson Augusta Mrs
110 Warning Fredk C
114 Carey Joseph F
Egner Esther
Harpster Jacob E jr
Korzelius Kath Mrs
115 LaSalle Auto & Battery Service auto reprs
Cordova begins
127 Korzelius Wm J
130 Martin Jas A
131 Gundy Jerome F
DeYoung Edw C
134 McGarva Alex
135 Coon Esther Mrs
137 Wagner Russell G
Schneider Fred
140 Kruger Niels L
141 Wilken Chas E
142 Kelker John P
148 McMahon Jas P
152 DiNardo Leo
153 Wendel Mary Mrs
Coder Robt S
154 West Carl E
Mayer Edgar
Donahue John
155 Duncan Albert N
157 Frost Harlan M Rev
158 Davis Nancy P Mrs
Hawes Herbert C
162 Moree Robt W jr
163 Hughes Kenneth W
166 Vacant
167 Draper Geo E
169 Wise Jas R
Smith Janet
Range av ends
172 Vacant
176 Tasman Morris
177 Stevenson Francis A
180 Stevenson E Allen Sief Morton
181 Cofran Sam J
185 Maser Jos D
Taggert John R
186 Sapecky Alf J
188 Wenger Edw C
189 Evans Geo W
Ambirk Geo W
192 Wenger Edna L Mrs
193 Hart Maurice R
Ulrich Edw C bldg contr
196 Schoolmaster Geo H
Strauss Geo V
197 Trexler Helen B Mrs
200 Ippolito Chas
Salerno Vincent
201 Vacant
204 Spinuzza Russell A
Reger John J
205 Seitz Homer R
208 Meyer Harold G plmb
209 Krieger Elbert G
211 Love James T
Harkins Francis J
212 Winter Paul
Bartolotta Salvatore
216 Hemerlein Wm E
Militello Mary A
217 Roth Sophia E Mrs
Shearer Ruth L
220 Mercurio Michl J
221 Abbonando Louis
224 Lazarz Edw
Carland Geo M
225 Thomann Edwin F
229 Frost Chas E
230 Watson Wilma Mrs
Kratz Peter W
Park Ridge av intersects
240 Cannon Geo T
240 McDonald John C
241 Flaminio Thos B
Maute Joseph F
245 Westfield Lawrence J
246 Fischle Geo H
Daetsch Willard T
249 Miller Annabel S Mrs
Marr Joseph W
250 Gene's TV Serv
Hammond Gene
253 Bartholomew Anthony
Rocco Anthony C
254 Matthies Lester J
Hoffman Jack
257 Gillman Ann Mrs
Gilmour John H
258 Damon John J
Friendly Clarence J
260 Summers Paul P
Bechtel Peter J
263 Moore Clara Mrs
Miller Helen E Mrs
264 Allex Louis C
265 Nitschke Cora C
VanEps Donald G
266 Ales Elmer R
269 Schleuse John P
Qualey Rose B Mrs
272 Fortkort Arth L
Garey Jas A
273 Schreier W Leon contr
Mattison Sidney G
276 Matthews John J
277 Lawe Hulda Mrs
Riley Eug E
Pasquarella Louis P
280 Schweitzer Gerturde Mrs
281 Abbott Clayton E
285 Boddy Clarence T
Austin Maybelle M nurse
286 Lewis Mabel A Mrs
Walker Kenneth
290 Wieland Robt E
Swan John E
291 Schulueter Jos F
294 Lultink J John
295 Marx Fred J
297 Martinke Geo E plmb
298 Stosser Raymond F
301 Cram Margt A Mrs ins agt
Fischle Esther R
302 Martin Jean A
305 Meyer Robt H
306 Reger John M
308 Markham Elmer L
309 Roessner Lillian V Mrs
Golinski Jessie D Mrs
313 Crawford Richd W
Breeser Lloyd R jr
314 Knoerl Edw J
Krause Herbert
317 Alessi Frank L
Havlik Arth J
318 McGowan Peter M
321 Kraatz John H
Ruppert John
322 Santucci Carmen
325 Kuhn Minnie K Mrs
Winter Edw G
326 James Earl M
Pfister Wilhelmina Mrs
329 Prior Charlotte R
Cleveland Willard
330 Franchini Leo
Lawrence Edw B
333 Didley Grace M Mrs
334 Valtin Edw M
Evans Robt H
337 Tryon Jos C
Wilkes Victoria C Mrs
338 Crosman Amos A
Prior Edith
Comstock av intersects
346 Matty Richd G
347 Haller Martin M
Burns Karl T
352 Boutin Allen C
Case James F
353 Collins Jos P
Tornabene Chas
355 Cicatello Leo D
Grazulis B Walter
356 Walz Jos H
360 Link Howard C
McMahon John J
361 Prefontaine Priscilla A
364 Kamprath Oliver L
365 Zimmermann Geo W
DeTample Howard R
367 Maier Albert E
368 VanDick Raymond B
VanDick Raymond B Plmb & Htg
371 White Jas M
372 Rudolph Jacob P
376 Espersen Leroy N
377 Kibler Maude G Mrs
DeNoon James E
380 McKimm Albert
Moehrle Roy
381 Coppock Edw
Bursch Wm
382 Funk Elsie M
385 Seeley Wayne M
Pringle Geo F
386 Barth John W
389 Lang Thos E
390 Stafford Wm E
Fiddes Robt B
393 Mulde Jos A
394 Thomson Vemba Mrs
396 Eastman Lillian Mrs
397 Zelin Leo G
399 Nisely Robt M
400 Seubert Fred J
Callanan Edith F Mrs
403 Machemer Mabel K
404 Streicher Jennie R
405 Nichter Kenneth G
406 Linkner Wm F
Fuerst Wm F
409 Schwabl Geo H int dec
Goergen Steph V
410 Schtick Fred J
413 Bailey Lawrence P
414 Hoeplinger Frank C
415 Till Harriet M Mrs
Spicciati Jennie N
416 Jones Rob A Rev
417 Eggert Jack T
Cartaro Angelo M
420 Wessel Antoinette Mrs
Kennedy Leon J

LaSALLE AV—Contd
423 Howland Wilfred C
Wander Frank J
424 Whelan Raymond J
425 Bartel Lydia
426 Allbert Eug T
429 Willert Wm E
430 Abell Geo L
432 Gmyrek Jos C
433 Landers Jos A
192
Bailey av intersects
511 Simpson Jas E
Mertin Marion Mrs
515 Stone Herbert L
517 Werner Edw L
518 Dell Howard
Middleton Forbers M
519 Martin Hans
Frost Frank
522 Mussen Chas A
Lennox Amelia Mrs
523 Ryker Leon E
524 White Geo H
Moore Margt J
526 Haire John T
527 Nisely Morton H
Daeing Anthony A
530 Thomas Donald E
531 Alessi Ida J Mrs
Alessi Richd M
532 Wetter Isabelle M
533 Dethloff Edith M
534 Kiefer Edw P O'Rourke Virginia F
537 Kopfer Frank J
538 Ruszaj Danl
541 Roehner Mary J
542 Rosenberg Leonard
543 Solly Anna Mrs
Charleson Henry
544 Rayner Herbert D Kreppel Frank R
547 St Anthony Religious Supplies
Corbett John J
Schmitz John A
548 Stock John H
549 Harold Walter
McCaul John M
550 Hauser Magdalen Mrs Wiss Ray
553 Wekemann Loretta L Mrs
Naudasher Maryon C Mrs
554 Klotzbach Harry E
LaSalle Press printers
555 Schlum Robt R
556 Dannecker Lawrence A
559 Swalm Chas R
Haight Harlow O
560 Pirrung Jos F
561 Federal Sales Co Inc auto accessories
562 Aumer John B
563 Aldridge Stanley E
Neal Clarence H
566 Hoefner Geo W
Cook Jas W
567 Boeck Florence M Mrs
570 Gerbracht Louise Mrs
Machemer Lydia Mrs
Suffolk intersects
577 Cran Wm
578 Michienzi Robt T
Michienzi Guidio
581 Foster Frank
582 Steffen Franklyn C
583 Klein Theo
584 Wyman Howard
587 Schurr Elmer L
Schurr Elmer L jr
588 Kamprath Fredk A
589 Seaberg Orvard L
590 Zimmerman John M
593 Metzger James A
594 Hayes John P
595 Bergin Amelia Mrs
Fitzgerald Gayland M
Conboy Michl J
596 Kelley Jas W
599 Mazuca Pascal V jr
600 Whitehead Harry H
601 Fessel Julius
602 Merrick H Ernest
605 Thurlow Geo A
606 Wopperer Elsie M Mrs
Curran Wm A
607 Husted Cath G Mrs
Morlock Henry
608 Maryanski Frank J jr
611 Freiheit Clayton J
612 Keating Lorne W
614 Spadinger J Irvin
615 Dombrowski Steph S jr
Chiang Shiao-Hung
617 Young Edw
618 Crowe Raymond L
Crowe Donald L
619 Jopek John
620 Palmer Harry F
Jacobi Carlo
621 Becherer Clarence A
Henry Dorothy M
622 Holmgren Fred C
625 Britting Richd F
626 Lehner Geo J
629 Hunt Walter W
630 Beechey Wm
631 Fohl Clarence F
632 Mayer Carl J
Toellner Raymond F
635 Eckert Martha K Mrs
Sauer Robt W
636 Murphy Joseph J
638 Bastian Floyd A
Shea Terrance P
639 Chapin Frank C
640 Berger Irving A
641 Hahn Walter A
Hahn Max C

EUGENE AV (K)—Contd
123△Beebee Harry E ⓪ ofc supplies
W Hazeltine av intersects
LaSalle av intersects
124△Marek Edw F ⓪
132△Obenauer Wm ⓪
136△Edgington Lawrence A ⓪
Tremaine av intersects
144△Scherline Geo T
148△Moore Chas H ⓪
152△Rutherford Christina Mrs ⓪
156△Speidel Chas G ⓪
160△Cummings Ralph S ⓪ ins
164△Redden Florence M ⓪
LaSalle av intersects
176△Weeks Lulu K Mrs ⓪
178△Huebner Edw W ⓪
180△Percival Harry H ⓪
184△Mussen Harold ⓪
185△Hastings Thos F
186△Crown Ford N ⓪
Mang av intersects
Lincoln blvd intersects
Victoria blvd intersects
Westgate rd intersects
228△Powell Donald R
Wabash av intersects
Tremont av intersects
Washington av intersects
16

EUREKA PLACE—From 338 Sycamore north to Genesee
14△Behrend Karl W
15 Gross Cleveland
△Bryant Louise Mrs
rear△Keitz Edw G
16△Evans Reace
18 Vacant
19△Mabley Alf B ⓪
Smith Florence E Mrs
23 Willadsen Jas P
△Benton Elmarenda ⓪
24△Schurr Leonard
25△Wright Mary J
△Pitts Wm ⓪
27△Goff Edw C ⓪
31△Sawyer Wm A ⓪
△Rush Jobe T
33 Lee Jas
Menefee Alex
37△Taylor Horace
△Quarles Lillimae Mrs
rear△Anderson Odie Mrs
Bolden Jefferson
40△Jones Roosevelt R
Mathies Alf C
43△Mathies Mattie Mrs
Russels Michl
44△Bryant Luther W ⓪
47△Carter Jas ⓪
48△Chestnut Inez M
△Thompson Benj R
51△Sparks Wm M ⓪
Spriggs Curtis
Robertson Sylvia Mrs
52△Hawkins W I ⓪
Johnson David
55 Macklin Floyd L
△McCrorey Dave
△Coleman Grover
57△Jones Frank A ⓪
Stewart Theo
62 Smallwood Henry
Fuqua John
63△Currie Oda V
△Branch Sidney
△Young Wm
Stevenson Earl
65△Neely Gertrude Mrs
67△Brunn Geo W ⓪
Genesee intersects
123

EVADENE—From 143 Englewood av northeast to Montrose av
14△Herzer Horst
17△Lawson Thos S
18△Metz Ruth M ⓪
Kaegebein Anne M
21△Haas Edw ⓪
22△Page Mary R Mrs ⓪
25△Shivens Jos A ⓪
26△Morris Richd
△Blewett Timothy E jr
27△Vitello Leonard J ⓪
△Nugent John T
28 Panton Harry A ⓪
Montrose av intersects
50

EVANSTON PLACE — From Sibley east to Julius, 1 south of Downing
Augusta begins
36△Forsythe Wm J ⓪
△Battin Jos W
△McAllister John J
38△Rodman Harold M
△Wilson Jas D
58 Boylin Peter C ⓪
excavating contr
Boylin Jennie Mrs
62△West Robt M
△Metelski Geo
63△Labin John ⓪
67△Szewczyk Andrew ⓪
Hawralczak Stanley
Julius intersects
83

EVELYN—From 355 Esser av southeast to NYCRR
11△Lukacz John ⓪
Lumberg Sigmund J
15△Supple John W ⓪
△Supple Harvey F jr
19△Davis Thos W
△Ledwin Wm J
20△Johnston Harold R ⓪
21 Keil Wm G ⓪
26△Menard Eug K ⓪
27△Durkee Frank E ⓪
Durkee Alice
30△Rung Edw R ⓪
33△Pierce Chas S ⓪
34△Tower Jas T ⓪
37△Smith John W ⓪
38 Schmitt Wilbert P ⓪
41△McVey Elsy D ⓪
45 Snyder Arth J ⓪
46 Mock Alvin J ⓪
49△Williams Franklin C ⓪
50 Sunisloe Pearl V ⓪
51△Kirschner Rudolph J ⓪
Kirschner Cornelius L
52△Hallett Thos S ⓪
54△Jones Cath Mrs ⓪
55△Kania Walter ⓪
56△Brown Clarence J ⓪
57△Dressel Wm A
58△Huff Leo S ⓪
61△Keeley Geo A ⓪
62△Navadel Geo M
63 Wood Leonard H ⓪
64 Krakomperger Steph
Vass Robt
67△Cheman Aug M ⓪
68 Goelz Wm F
69 Domaracki Frank J ⓪
70 Popadick Wm P ⓪
73△Gunning Herbert J
Clark Ernest
74△Taylor Roy B ⓪
△Ralph Jesse G
75 Thousandfriend Gustave ⓪
76△Strong Vinton ⓪
79 Sanders Eliz W ⓪
80△Bartoszek Stanley J ⓪
81△Morrison Jas W ⓪
watch repr
82△Lozinsky John J ⓪
Ontario intersects
116△Kollmar Gordon F
120△Lengel Frank ⓪
121△Bialkowski Edw ⓪
123△Yelenik Albert ⓪
126△Martin Jackson J
127△Matyus Goza J ⓪
128△McDowell David ⓪
131△McGee Anna Mrs ⓪
132△Pearson John H ⓪
133△Magyar Michl J ⓪
134 Koncsol Mary Mrs ⓪
138△Murphy Jas P ⓪
139△Bota Jos J ⓪
140△Young Clarence F ⓪
144 Breitwieser Robt L ⓪
145 Sullivan Thos ⓪
146△Martin Henry ⓪
Geissert Clyde
149△French Andrew N ⓪
151△Reard Camille J ⓪
153△Griffin Frances M ⓪
NYCRR crosses
2-B-1

EXCHANGE—From 171 Main east beyond Selkirk
10 Welliver Fred
12 Ere's Confectionery
△Limeri Vincent
14△Limeri Vincent restr
22△Laszewski Thaddeus B gas sta
2B-2
Washington intersects
48△Hex Mfg Co novelty mfrs
50-52△Cresbury Clothes Inc (br) mfrs men's clo
54-58△Hotel Avon
△Hotel Avon Cafe
△Young Geo C
Ellicott begins
74△McFarren Robt M printer
78△Queen City Photo Engraving Co
80△Baker Jones Hausauer Inc printers
82-84△McFarren Robt M (whse)
86-88△Root Press printers
Wells begins
100 Neff W Mfg Co (parking lot)
134△Trushel Chas P restr
136△Corine Hotel
Trushel Chas P
Swank Harry
142 Vacant
154△Trapani D & Sons railroad contrs
154-60△Montgomery Danl hotel
160△Saunders Jas W
176-78△Central City Hotel
Michigan av intersects
8
Chicago overpass
Louisiana overpass
Alabama intersects (ss not open)
NYCSystem crosses
Hamburg overpass
565-67△Craver-Dickinson Seed Co whol
568△Guzdek Jos ⓪
Paszkiewicz Stanley M
578△Oppenheimer Corp waste dlr
586 Vacant
Jefferson av begins (not open)
40
NYCRR crosses
600△Wallace Transport Ltd
650△Trailmobile Co (br)
659△Iroquois Door Co sash and doors
Larkin intersects
669△Wabash Railway Co (Buffalo Term Div)
VanRensselaer overpass
786△Riss & Co Inc motor transportation
Hydraulic intersects
(Not open between 1 block east of Hydraulic and Smith)
Smith intersects
927△Hamerski Ignatius
Winkler John
Kuwik Walter E
929 Dziedvic Henry
Lutynski Louis
931△Cielesz Mary Mrs
rear Rapa Michl ⓪
933 Rysinski Edw
△Lukasik Norbert
Andrew al ends
936 Nowicki Bernard L
938△Setlock Sophie Mrs
△Wier Edw R
939 Wilson Mary Mrs
Kiedel Florian
941△Winiarski Stanley
Kaminski Frank W
945 Sluchan Roman ⓪
△Kaminski Frank R
Sordyl av ends
949△Szczepanik Michl ⓪ gro
△Jurewicz Leonard P
951△Zajac Edw J
Kobus Stanislaus
rear△Mikolajczak Thaddeus
Zuber Jos S
955△Kicinski Chester
Bednarz Philip
△Bulera Walter F
△Kicinski Edw M
961△Pawlowski Casimer C
Imbirowicz Alf J
963△Kwietniewski Edw J
Ziejewski Frank
rear Lauffer Albert M
Nyznyk Paul
965△Wier Thaddeus A
967△Gorski Jos gro
Curtin John C
△Nestor Michl J
Wiacek John T
Daytona al ends
969△Rosowicz John
△Hejza Leo
Dzielski Walter
979 Lester Helen Mrs
Morlock Aloysius P
981 Rindos Jos
rear△Kwaizer Chester ⓪
983△Podgorny Bertha gro
Suchan Thaddeus
991△Lofek Frank E ⓪
Selkirk ends
995△Szczepanik Edw A ⓪
restr
Stachura Max
△Szczepanik Victoria Mrs ⓪
997△Grochol Vincent ⓪
Starzynski Anthony W
999△Denek Steph ⓪
Podolin Jos
△Frydrychowski Alf
rear Stelmach Alf E
1001△Minor Walter L restr
Szczepanik Jos M ⓪
rear△Lewnadowski Steph
△Szczepanik Matthew E
1B-6

EXPRESS ALLEY—From 218 Pearl west to Franklin
(No houses)
Franklin intersects
99

FAIRCHILD PLACE — From Linden av north to 1183 Hertel av
1△Brossway Margt Mrs
△Rieth Hermann
2△Berzon Lester J
△Rosenblat Burton
5△Popko Constantine ⓪
6△Rosenberg Meyer ⓪
△Rose Cal
9△Hunter Arth C ⓪
10△Petrino Frank
△Koralewski Leon
15△Corcoran Eug ⓪
16 Ryan Jas E ⓪
△Ryan Kath Mrs
17△Golding Jas G
18△Chase Chas F ⓪
△Saxer Clifford
19△Carpenter Wilbur L ⓪
△Glazier Geo S
20△Diebold Edw M ⓪
△Walters Edw G
23△O'Rourke Arth B
△Crangle John J
24△Woods Jos T ⓪
27△Britton Danl W
△Moore Cecil A
28△Gantress Edw W
29 Fay Bessie H
30△Onions Frances M Mrs ⓪
Tioga begins
33△Brodie Jas H
△Wannamacker Charlotte J
37△Hausman John
△Rosen Jerome
39△Valencourt Albert J
40△Simpson May Mrs
43△Sticht Jos F ⓪
△Sticht Norbert ⓪
44△O'Connell Mary Mrs ⓪
△Martin Mary O Mrs
45△Warnick Simon ⓪
48△Lund Roy L ⓪
49△Fontana Santina Mrs ⓪
△Kolpack Albert
52△Parker Gertrude C ⓪
53△Marien Donald
△Belsito Louis J
54△Heavey Martin R ⓪
57△Woodward Danl J ⓪
58△McCoy Alf C
△Magro Amie J ⓪
Lazarski Danl
59△Smith John L ⓪
62△Carey Marie L
Grabewstatter Raymond C ⓪
63△Rose Genevieve ⓪
65△Muller Marcella Mrs ⓪
66△Lettman Hyman ⓪
68△Yorko Anna Mrs ⓪
Dakota begins
69△Rockwood Leon S ⓪
71△Martin Wallace R ⓪
75△Gilbert Lawrence
△Lawall Clair A
78△Beggs Alex H
79△Libertore
△Braun Gerald A
83 Lauffer Richd K
△Clark Olive T Mrs ⓪
84△Lazroe Martin ⓪
85△Ebel Julius E
△Cunningham Albert F
88△Durning Paul D
89△Forrest Anna C Mrs ⓪
91△Audino Russell J ⓪
△Ryan Alice H Mrs
92△Babcock Richd E ⓪
95△Pearl David J junk
△Feldman David P
96△Robertson Bertha S Mrs ⓪
△Kelly Eug D
98△Wilson Sarah Mrs ⓪
102△Ehrlich Philip J
△Strauss Fannie ⓪
Hertel av intersects
115

FAIRFIELD — From 2516 Main northwest to Amherst
14△Schupp Clarence H
△Newton Ronald
16△Clarke Allan M ⓪
△Higgins Danl J
18△Cowper Harold W ⓪
22△Stauffiger Harriett E Mrs ⓪
24△Rausch Stanley F ⓪
△Bennion Everett
25△Pfohl Louis L ⓪
26 Hartke Ralph C
△Brueggeman Richd C
28 Ebner Edw A
△Gibbons Thos R
34△Frederic Robt S
△Heuser Fred ⓪
△Frank Doras M
△Gross Ruth E
35△Klipfel Chas E ⓪
36△Ervin Sadie L Mrs ⓪
△Warriner Frank C
39△Russell Caroline Mrs ⓪
40△Evans Grace T Mrs ⓪
42△Smith Coulling J
△Kibby John V ⓪
44△Bruce Lula C Mrs ⓪
△Hull Chas A
50△Alf Magdalene M Mrs ⓪
54△Ebner Edw H ⓪
△Box Henry
Orchard pl ends
57△Neeler Blanche Mrs ⓪
△Prau Willis W
58△Gatt Walter ⓪
Butler Allen L
59△Monan Agnes Mrs ⓪
△Roehl Edw J
60 Jettas Winifred M Mrs ⓪
△Byrne Howard J
62△Willis Jay S ⓪
Orange Blossom Honey
63 Wallace John W
Frey Bruno
Truckmiller Mabel M
Hayward Florence nurse
68△Keenan John H
△O'Connor John E
69△Riley Millard ⓪
70△Korzelius Edw G
△Marillo Mary L Mrs ⓪
71△Bakos Walter ⓪
72△Yeager Anna B Mrs ⓪
Doherty Wm J
73△Bakos Jas M
75△Spann Louisa J Mrs ⓪
76 Trusso Anthony S ⓪
Burt Richd L
78△Rybicki Jos L
△Norris Jos D
82△Haren Marg K Mrs ⓪
△Shelby Thos R
84△Nellany Edw J ⓪
△Krisher Philip E
88△Grabowski Richd ⓪
△Ditzler Clarence J
Vernon pl intersects
92△Lucier Albert S
△Wetzel Wm G ⓪
94 McKee Jos I ⓪
98△Polder Cecelia M Mrs ⓪
100△Smith Decker R ⓪
103△Reardon Jas ⓪
104 Jackson Paul H ⓪
105△Friol Louis N ⓪
106△Turner Jos F ⓪
△Bealer Clara M

FAIRFIELD—Contd
107 McCarron Emily Mrs
△Allen Marshal
△Barratt Rachel
109 Vacant
110△Wilcox Howard E ⓪
△Richter Paul J
112△Wagner Emma L
△Kreinheder Henry ⓪
116△VanDeWater Jerome D ⓪
122△Cooke Iva E Mrs
△Sheehan Grace L
124△Savage Earl P ⓪
△Seil Geo E
Amherst intersects
66

FAIRVIEW PLACE — From 2302 Seneca northeast ½ block
13△O'Brian Chas A ⓪
14△Cavanaugh John D ⓪
15△Fahey Thos J ⓪
16△O'Donnell Fannie B Mrs ⓪
19△Maloney Anna L Mrs ⓪
20△O'Brian Chas A jr ⓪
21△Thompson Jas J ⓪
22△Roth Chas H ⓪
25△Kiess Anna E Mrs ⓪
26△Conley Jos H ⓪
28△Tartagliano E Jos ⓪
△Darone Dominic
29△Byrne John K
△Rost John A ⓪
25

FARGO AV—From 232 Hudson northwest to Niagara
3 Redino Nicholas ⓪ junk
Coniglio Santo
6△Guiga Mariano T
7△Scire Louis ⓪
△Redino Saml P
11△Polito Jos J ⓪ real est
Didio Santo
14△Digati Alfonso S
△Senzaroba Josephine Mrs ⓪
Bellanti Philip
△McIntyre Harriet C
△Gialmo Thos
Delaney Marian
15△Cannizzaro Annucio ⓪
Cannizzaro Pasquale F
△DiAngelo Vincent
16△Contino Jas ⓪
△Hart Hugh M
19△Mendola Chas ⓪
△D'Angelo John
20△LoVecchio Jos M
Ritchie Robt R
23△Rinaldo Leonard D
rear△Naples Peter J
△Rinaldo Danl
24 Thomas Danl J
△Thomas Dominic M
27△Controneo Geo ⓪
△Zanda Angelo C
△Cotroneo Carmen
rear Vaccaro Thos
28△Thomas Chas A ⓪
△Thomas Jos
31△Rizzo S Saml ⓪
rear△Rizzo Jos J
32△Constantino Santo ⓪
△Saia Mariano
33△Fiorella Frank ⓪
34△Marino Jos A jr
△Russo Anthony
36△Pace Thos ⓪
39△Costello Chas S
△Mancuso Peter
△Carlisle Homer G
△Spoon Jos ⓪
40△Marzo Jas A ⓪
△Gregario Dominic
41 Krystof Jos
△Furlan Johh F
△Poalucci Jos
42△Sparcino Russell J
△DiGesare Anthony J ⓪
44△DeFrancesco Jos
△LaGreca Mary Mrs ⓪
46△Sciandra Andrew C ⓪
paperhngr
Tutino Michl J
47△Mazuca Michl ⓪
△Pucci Jos ⓪
△Gimbrone Chas J
49△Dellapenta Palmer
Saldi Salvatore
52△Parisi Frank I
Velvo Jos ⓪
Pennsylvania intersects
70△Calandra Vincent A ⓪
78 **Apartments**
2△Hewitt Fred
3△Kubiszyn Jos
4△Weber Alex A
5△Sueling John J jr
6△Todaro Anthony
79△Sapienza Vincent R ⓪
Territo Mario F
80△Kubiszyn John H ⓪
81△Messina Jas ⓪
△Callea Thos S
82 **Apartments**
1△Riscignito Mary
2△Taresi Chas A
3 Teresi Lucy Mrs
4△Auria Frank
5△Tagliarino Jas C
84△Mascorella Jos A
85 Sineni Thos
88△DeFusto Frank
△Lovello Dominic J
89△Bellanca Josephine ⓪
Gianconteri Jos
90△Madonia Gasper B ⓪
△Maranto Jack
△Natarelli Patk A

HAMBURG ST 1955

HAMBURG—Contd
46△Horan Service auto repr
50△Furlong Jas B ⓞ
Thompson Russell
△Badaszewski Lottie Mrs
Erie RR crosses
Republic ends
73△Solarczyk Julia B Mrs restr
74△Kubik Stanley
Kubeck Edw J
75△Neubeck Paul S
△Procknal Steph J
rear△Westfield Maurice C
76△Saunders Jos E
△Shine Hugh
79 Guth Cyril ⓞ
△Hellems Jas A
Marek Pauline Mrs
△Herbert Francis
81△Maloney Wm J ⓞ
△Bodkin Francis
85△Frankhauser Wm K ⓞ
Fluker Bernard
86 Jarecki John
△Fitzgerald Geo R
87△LaVista Nicholas gas sta
90△Balester Frank ⓞ
△Sullivan Edw T
△Conway John W
△Ciccarelli Anthony L
92 McCarthy John ⓞ
△Carroll Jeremiah
94△Thompson Stuart J ⓞ
△Dockstader Edw N
96△Kelly Edw V ⓞ
118△Public School No 34
O'Connell av intersects
125△Mays Irene Mrs ⓞ
△Stone Ernest B gro
126△Zwolinski Bronislaus ⓞ gro
△Mays Arth E
△Evans Alex
127 Mays Arth E cabtmkr
128 Sawchuk Martin ⓞ
129 Johnson Ella Mrs
131△Miller Mary Mrs
△Podesek Steph J ⓞ
134△Daboy Matthew ⓞ
136△Leahy Thos R
△Stone Ernest B ⓞ
137 Knox Richd ⓞ
O'Brien Raymond
138△Webster Howard
△Fitzgerald John J
139 Noworyta Stanley ⓞ
Smith Frank
140△Cleary Edw J ⓞ
rear Collins John J
△Black Jas J
141 Vacant
142△Beasley John F ⓞ
Burke Wm
143△Schmelz Geo W ⓞ
△Bulger Thos J
rear△Angus Kenneth P
144△Hoffstetter Ella M ⓞ
145△Catanzaro Anthony ⓞ
△Shanks Stewart
146△Esis Fred
Esis Michl ⓞ
rear△Ristine Warren G
△Miller Harry
149 McCarthy Mabel ⓞ
△Needham Edw W
151△Tolkacz Edw J ⓞ
△Stack Edw J
152△Smith Wm J
△Donovan May Mrs ⓞ
153△Chilcott Mary Mrs
△O'Leary Emmett
156△Reilly Mary E ⓞ
Danahy Jas
158△Duggan Raymond J
Mackinaw intersects
6
DL&WRR overpass
185△Fleming John ⓞ
189△Kennedy Wm T ⓞ
△Kirisits Jos
190△Wojtasik Frank ⓞ
191 Michel Agnes Mrs ⓞ
△Burley Clyde
192 Morgan Amelia Mrs
△Fitzgerald Jas E
193△Fitzgerald Anna Mrs
△Roller Kath ⓞ
197△Hoffstetter Robt T
△Flynn Lenore Mrs
198 Jedrysik Jos jr
△Jedrysik Wm A
200 Kohm Emil
201△Kelley Albert W
△Travis Richd K
202 Ksiazkiewicz Francis J
rear△O'Hara Eug
203△Smietana Andrew ⓞ
Zemko Anthony
rear△Martin Fredk J
204 Jedrysik Jos ⓞ
Mazur Walter J
△Gorkiewicz Stanley
Miami ends
205△Burke Lillian Mrs ⓞ
△Kennedy Andrew
207△Kempa Jos F ⓞ
211△Everett Florence Mrs ⓞ
215△Zielinski Walter F ⓞ
217△Szeremeta Anna Mrs ⓞ
△Tyczka Jos W
219△Gross Jack L jr ⓞ
△Gross Jack ⓞ
220△Flood Jas F
221 Holland Arnold ⓞ
222△Waver Herbert G ⓞ trucking
224△Helmer Clarence ⓞ
△Kelly Thos
225 Ryan Bridget Mrs
△Pozorski Wanda Mrs
rear Wisniewski Anstazya Mrs ⓞ
Dray Danl J
226 Warren Edw
228△Ryszka Stanley J ⓞ
△Siergiej Walter
229△Bowman Geo R
Messer Chas W
rear△Eisenmenger Homer L
230△Lukomski Henry F
△Baron Frank J
231△Ziminski Frances Mrs ⓞ
rear△Hughes John R
233△Balcarczyk Valeria Mrs ⓞ
△DeSantis Dominic N
rear△Balcarzyk John
234△Ackerman John ⓞ
236△Zemko Victor ⓞ
South Park av intersects
264△Poole Clarence J
265△Franczyk Jos W ⓞ
Burke John P
266△Poole Clarence
Coatsworth al ends
267△Hayes David J ⓞ
△Ward Minnie Mrs
269△Sherry Peter J
△Yea Fanny Mrs
270△Bellet Paul
271△Zielinski Frank ⓞ
273△Wilson Mary Mrs ⓞ
274△Cummings Wm A
Shields Claude C
275△Evoy Thos ⓞ
△Naffky Chas
279△Bauer Anthony
281△Irish Anna Mrs
rear△Drew Frank clo cln
Fulton intersects
289△Meeks Geo E gro
Fitzpatrick Wm
291 Rzenznik Walter ⓞ
293△King Mary Mrs beauty shop
△King Harry R
Cummings Frank
294 **Apartments**
1 Maloney Wm J
2△Obrien John J
3△Considine Jas F
4 Vacant
5 Wright Rosemary Mrs
6△DeMarest Amanda Mrs
295 Kozlowski Walter
Kozlowski Konstanty ⓞ
297△Devine John J
△Jordans Peter ⓞ
298 **Apartments**
1△Zeidman Nathan
2△Zwelling Gertrude L
3△Castania Thos
4 Baudo John B
5△Coleman Jas J
6△Moskal Jos
Stannard al ends
303△Kniazuk Alex
305 Mackey Jos C
△Carroll John J jr
307 Carter John
312 **Apartments**
1 Vacant
2△Wright Richd J
3 Meldrum Geo H
4△Barraclough Kenneth
5△Freeland Elverton P
6 Vacant
316 **Apartments**
1△McNerney Edw V
2 Johnston Earl
3 Wilson Earle E
4 Didomenico Sebastian
5 Abbott Jos M
6△McArdle Jos N
Perry intersects
330 **Apartments**
1△Hoerl John M
2 Brennan Dorothy Mrs
3△Kuznicki Gerald M
4 Stein Nora C Mrs
5△Aulich Proxada Mrs
6 Pronko Bernard
333△McCarthy Thos J
334 **Apartments**
1△Rundle Evelyn M Mrs
2 White Robt D
3△O'Mara Helen Mrs
4△Eberhardt Helen Mrs
5△Cunningham Praylor
6 Buchanan Ella Mrs
335 Felk John W
Lehigh Valley RR overpass
Scott intersects
349△Pickering Helen L Mrs
367△Whitmer-Jackson Co Inc whol doors
374△Buffalo Sewer Authority (pumping sta)
NYCRR underpass
Railroad begins (not open)
8
Exchange underpass
Carroll intersects (not open)
NYCRR underpass
Seneca intersects
505△A & P Food Stores (bakery div)
Myrtle av intersects
519△A & P Food Stores (ofc and whse)
535△National Produce Division (div of A&P Food Stores)
Swan intersects
91
HAMILTON — From Niagara River east to 302 Tonawanda ft US Govt Customs Office RR yds
1△Gravel Products Corp (br)
Dana ends
9△Ziolkowski Jos
△Collins Ray
Niagara intersects
30△Sauerwein Edith Mrs ⓞ
32△Barber Eug
33 Wojcik John J ⓞ
41△Hewson Josephine Mrs
43 Leitner John ⓞ baker
△Strasser Erma Mrs
Dearborn intersects
59 Hemfling Eliz ⓞ
61△Ehlers Chas A ⓞ coal dlr
62△Dold Michl C ⓞ
67△Morehouse Clifford
68△Lieders Market gro
△Ulanowski Benj
△Zorich Anthony F ⓞ
69△Knight Elmer V gros
East intersects
84△Bergum Robt
85 No return
86 Keisser John L
△Mitchell Geo
△Liles Chester
rear Vence Max
87△Barton Edw S ⓞ
rear Boetcher Merlin E
89 Updike Theo ⓞ
Morningstar Barbara Mrs
rear No return
90△Dzygun Wm W ⓞ
Gabalski Edw
91△Howard Bert S
△Papp Helen E Mrs
△Becker Geo F
92△Wargo Susan Mrs ⓞ
△Kocsis Louis
93△Clabeaux Francis J ⓞ
95△Gross Barbara Mrs ⓞ gro
96 Bernhardt Nicholas
△Bernhardt John ⓞ
Hoffman pl begins
Hoffman al ends
100△Lazarus Cyril B ⓞ
△Geib DeWitt E
101△Hartmann Eliz M Mrs ⓞ
△Klepp Barbara Mrs
105△Steffan Oscar A ⓞ
△Fischer Fred H
△Becker Geo R
107△Becker Albert J ⓞ coal
Swain Raymond
108△Guzowski Wallace ⓞ
110△Sundy Kenneth B
△Staub Karl P
111△Fuhrey Harry F
113 Keprusan Rose Mrs ⓞ
114△Linden John M
△Soock John R ⓞ
Rapp David E
115 Hartman Peter
116 Battaglia Chas
Backmurski Herman
Long Paul
Wolf Elmer J
△Price Robt
△Schroeder Kenneth J
118 No return
119△Wydysh Nicholas ⓞ
Thompson intersects
132 Zimmer Harold H ⓞ
136△Feirich Louis E ⓞ
DeLuca Clara J Mrs
142 Brown Theresa
144△Mroz Emily Mrs
Shermanski Wm W
Gorton intersects
152△McCarthy Henry T
158△Blumenthal Mary
Tonawanda intersects
135
HAMILTON BLVD (Kenmore) —From 3086 Delaware av west to Military rd
15△Winfield Mason C jr ⓞ
16△Rindcen Carl J ⓞ
19△Cramer Clifton W ⓞ
20△Napier Jas K
△Rowland Burt F ⓞ
21△Gordon Edw D ⓞ
23△Mueller Fred J ⓞ
24△MacDowell W Wallace
25△Murray Danl ⓞ
27△Miano Frank R ⓞ
28△Care Harry E ⓞ
29△Maloney Wm J ⓞ
30△John Emil A ⓞ
31△Geyer Chas J ⓞ
34△John Elden O ⓞ
35△Coghlan Thos J ⓞ
36△Hanson Walter C ⓞ
37△Universal Business Service Co
△Knights John R ⓞ
40△Fleischer Carl R ⓞ
44△Zenner Kath R Mrs ⓞ
46△Allan Norman E ⓞ
50△Blaufuss Arth J ⓞ
53△Schwartz Herman ⓞ
54△McGinnis Dennis ⓞ
56△Schuler Marshall E ⓞ
57△Massing Theo E ⓞ
58△MacPeek Louise Mrs
59△Geartz Rex R ⓞ
60△Goldstein Gerald ⓞ
63△Kopan Edmond ⓞ
64△Acton Howard ⓞ
△Irwin Robt W ⓞ
67△Pearce Douglas H ⓞ
68△Dissington John C ⓞ
71△Oliver Thos C ⓞ caterer
73△Theurer Herbert G ⓞ acct
75 No return
77△Putnam Frank L ⓞ
78△Siehl Eliz D ⓞ
79△Hood Arth S ⓞ
80△Curcie Robt J ⓞ
83△Wisler Paul ⓞ
84△Shaft Howard E ⓞ
87△Wheeler A Rolland ⓞ
88△Cuthbertson Geo S ⓞ
89△Curran Raymond W ⓞ
90△Statham DeForest
93△Bush Harry ⓞ
94△Recktenwalt Eug P ⓞ
97 Wejnarth Axel R ⓞ
100△Engelfried Martha Mrs ⓞ
101△McCreary Earl J ⓞ
102△Riley D Connor ⓞ
109△Wippert Clarence W ⓞ furrier
111△LaVigne John A ⓞ
112△Fink W Almon ⓞ
115△Levine Saml D ⓞ
116△Hess Harold L Rev
118△Hoag Arth R ⓞ
119△Briggs Fredk A ⓞ
123△Saunders K Clifford ⓞ
124△Moylan Robt L ⓞ
127△Lamy Harold E ⓞ
128△Burdick Boyd F ⓞ
131△Travis Lewis E ⓞ
132△Schaufle Geo J ⓞ
135△Thorvaldsen Arnt O ⓞ
136△Menzies Andrew T ⓞ
139△Beuthel Rollo C ⓞ
140△McDonald Mary A Mrs ⓞ
143△Weinsheimer Wilbert G ⓞ
144△Summer Saml ⓞ
147△Napara Henry J ⓞ
148△Skinner Clayton H ⓞ
151△Derner Albert E ⓞ
152△Wilson Randall E ⓞ
155△Denney Melvin E ⓞ
156△Young Arth P ⓞ
159△Jacobs Albert H ⓞ
160△Kane Chas V ⓞ
163△Markman Agnes M Mrs ⓞ
168△Sambalino Chas H ⓞ
172△Edgar Gadys K Mrs ⓞ
175△Kopec Francis E ⓞ
179△Wink Chas ⓞ
180△Thiel Norman K ⓞ
183△Voehringer Eug ⓞ
184△Hendler Ralph ⓞ
187△Meyers Richd C ⓞ
191△Kwiecien John ⓞ
141
Elmwood av intersects
229△Reigel Isaac W ⓞ
230△Wilson Ernest T ⓞ
233△Arnold Wm O ⓞ
234△Clark Viola Mrs
235△Dahlman Robt J ⓞ
236△Lewis Danl U
238△Stebler Albert J ⓞ
239△Reid Ernest L ⓞ
240△Plummer Peter ⓞ
242△Coleman Fredk J ⓞ
243△Mulvey Arth L ⓞ
247△Niemiec Barth A ⓞ coal dlr
249 Jaster Wm
250△Naukam Donald E ⓞ
251△Kester Howard F ⓞ
253△Partridge Leland T ⓞ
254△Buxton Arth R ⓞ
△Carlton John G
257△MacDowell Harry F
258△Phillips Paul H ⓞ
260△Bowers Robt S ⓞ
261△Frier Earl S ⓞ
264△McMullen Clarence J ⓞ
265△Drinkard Robt H ⓞ
268△Hoerner Chas B ⓞ
269△Forrest Robt W ⓞ
270△Wilson Chas ⓞ
271△Berg Julius T ⓞ
274△Gebhard Chas J ⓞ
275△Mouser Jas R ⓞ
△Blair Julian H
278△Wadman Wm H ⓞ mfrs agt
279△Coffey Michl J ⓞ
280△Day Geo F ⓞ
281△Hodge Arth J ⓞ
284△Lubbers Robt J ⓞ
285△Thomas Alf C ⓞ
288△Linneman Jerome J ⓞ
289△Cassidy Paul J ⓞ
292△Frieder Wilfred P ⓞ
293△Lamb Chas E ⓞ
295△Allison Herdis W ⓞ
296△Clouser Leniol A ⓞ
299△Brown Fredk R ⓞ
300△Bolles Theo H ⓞ
Wilber av intersects
307△Morgenroth Jos ⓞ
308 Vacant
311△Howells Benj F ⓞ
312△Yungbluth Geo C ⓞ
315△Westerland Emery H ⓞ
316△Campanella Anthony A ⓞ
319△McIntosh Jas C
320△Bakewell Thos ⓞ
321△Martin Frank P ⓞ
△Martin Robt F
322△Crissy Kermit H
325△Bosch Warren G ⓞ
△Swarner Clair N
326△Wilcox Wm A ⓞ
329△Belter Walter J ⓞ
330△McDonald Wm J ⓞ
333△Gaynor Allen L ⓞ
334△McMahon Michl G ⓞ
336△Handzo Jos M ⓞ
337△Scott Allen W ⓞ
340△Fairl Wm J ⓞ
341△Mohring Harold A ⓞ
342△Stuhlmiller Robt C
344△Moynihan Emmet C ⓞ
345△Reid Delmar R ⓞ
HAMILTON BLVD (K)—Contd
349△Lane Vance N ⓞ
350△Eulert Theo G ⓞ
353△Curry Jas M ⓞ
354△Denneville Albert R ⓞ
357△King Chas D ⓞ
358△MacLeod Peter ⓞ
360△Gavin Julia C ⓞ
Pennister Harold
361△Smith Eug F ⓞ
364△Corah Leo W ⓞ
365△Foley Anna T Mrs ⓞ
367△LaChiusa Jean Mrs ⓞ
368△Birkby John M ⓞ
371△Landowski Walter ⓞ
△Denneen Robt J
372△Forshey Chas M ⓞ
375 Jarlenski Bronislaus C
△Jaszczynski Paul ⓞ
376△Volt Jos ⓞ
379△Sliwinski Chester J ⓞ
380△Campbell Arth ⓞ
383△Bedaska Frank J ⓞ
384△Balogh Alex ⓞ
397△Vetrano John D ⓞ
△Insalaco Thos C
398△Gabler Wm E ⓞ
△DeAeth Geo F
Melrose av intersects (not open)
401△Gasbarrini Jos ⓞ
△Lettau Frank B
402△Ramus Benj ⓞ
△Powers Carl R
405△Krayczyk Mathew ⓞ
406△Hans Lawrence ⓞ
409△Blaney John J ⓞ
410△Picillo Jos
△Herbert Jas M ⓞ
412△Sharp Edw D ⓞ
416△Roach Lawrence W ⓞ
420△Williams Lester W ⓞ
424△Sweeney John W
△Sweeney Helene H nurse
Military rd intersects
154
HAMLIN ROAD—From Lonsdale rd east to Humboldt pkwy **107**
2△Porter Edw C ⓞ
5△Gadson Herman ⓞ
6△Young John L ⓞ
Woods Juneus H
7 Alten Milton
9△Alexander Saml ⓞ
10 Vacant
11△Del Victoria Mrs ⓞ
14△Ruhl Edwin C ⓞ
△Schnell Eliz Mrs
17△Korris Meyer ⓞ
18△Austin Jethro J ⓞ
19 Williams Hubert ⓞ
20△Hendler Chas A ⓞ
24△Perry Fred
25△Hamlin Emmett R
27 McLeish Aaron S ⓞ
28△Porter Jas ⓞ
31△Daughtry Robt ⓞ
32△Wilson Marcellus C ⓞ
35△Washington John C
36△Bickett Lewis A ⓞ
37△Kleinman Jos ⓞ
38△Giller Jack ⓞ junk dlr
41△Kassler Jack
△Dixon Curtis
42△Wagner Harry L ⓞ
45 Lester Wm M ⓞ
46△Gucfa Sigmund J ⓞ
49△Wittig Arth G ⓞ
50△Lomax Oliver A ⓞ
53△Blanton John W ⓞ
54△Treger Morris ⓞ
55△Drach Isadore ⓞ pntr
56△Factor Morris M ⓞ
△Gilmore Jas W ⓞ
59△Moss Fredk D ⓞ
60△Bugg Edythe V Mrs
64△Wexler Anna ⓞ
65△Smith Jeannette M ⓞ
67△Allen Wm ⓞ
68△Gaul Mary Mrs ⓞ
70△Hoffmann Chester H ⓞ
71△Anzalone Jos ⓞ
73△Widmer Edw P ⓞ
74△Landers Saml ⓞ
77△Stoker John ⓞ
78△Daw Amelia W ⓞ
81△Woelfel Louis W ⓞ
82△Setnar Louis ⓞ
85△Kamer Fannie Mrs ⓞ
86△Chazen Jos
Reimer Geo H jr
89△Mann Peter ⓞ
90△Brinkley John B ⓞ
93△Finkelstein Saml
94△Kelly John L ⓞ
97 Faulkner Mack
98△Lang Jos M ⓞ
101△Johnson Horace C ⓞ
102△Blassingame Wm ⓞ
104△Atkins Harold S ⓞ
△Balderer Fred
105△McMillan John L ⓞ
120
Wohlers av intersects
114△Cohen Jules E ⓞ
115△Berg Geo J ⓞ
117△McCall Landen ⓞ
118△Riter Louis F ⓞ
121△Suttell Frank M ⓞ
122△Ditsious Eliz Mrs ⓞ
125△Anderson Robt W ⓞ
126△Mitchell Ted ⓞ
129△Morphis Jas W ⓞ
130△Custodi Jos F ⓞ vending machines
133△Pitts Henry ⓞ
134△Brown Alvin J
△Gelman Danl ⓞ
137△Bailey Eug
138△Johnson Wm H ⓞ
139 Vacant

LARKIN ST 1955

LANGFIELD DRIVE—Contd
279A△McGloin Donald
279B△Szymanski Henry V
280△Anzalone Jas
281A△Perry Geo S
281B△Miller Russell A
283A△Gruber Frank C
283B△Mannella Mark
284△Standard Irving
285A△Kit Wm
285B Johnson Nellis A
285C△Connolly Frances Mrs
285D△Churchill D Bruce
287A△Miller Jos T
287B△Piernik Leonard N
289A Kenley Roland
289B△White Harold R
291A△Swartz Kath Mrs
291B△Sosnowski Stanley
Sun begins
301A△Wirges Richd J
301B△Burns Thos F
303A Kunze Leonard W
303B△Leahy Marguerite Mrs
305A△Steinberg Marvin L
305B△Pawlak Arth
307A Margarucci Alphonso
307B△Egbert Chas A
307C Vacant
307D△Rawls Marcella R Mrs
308△Weber Wm R
309A Vacant
309B△Rados Helen Mrs
311A△Trank Gordon E
311B Flynn Wm E
312 Clark Eug
313A△Guariglia Ralph
313B△Shaughnessy Wm J
314A Bratos Richd F
315A△Crutcher Robt
315B△Fallon Edw M
315C△Kerpka Albert W
315D△Balash Nicholas
316 Bouchard Francis
317A Vacant
317B△Buckley Robt E
318△Sexton John T
319A△Baer Chas S
319B△Zagara Frank A
320△Crane Harold O
321A Ross John
321B Karb Jos G
322△Mullen Geo E
323A No return
323B Vacant
323C△Bishop Richd
324△Malkiewicz Marian Mrs
325A△Lawniczak Henry
325B△Gangarosa Louis
325C△Marky Gladys Mrs
326△Cater Jas W
327A Marks Harold H
327B△Hayward Richd
327C△DelNuovo Vincent
327D△Claxton Ralph E
329A△Donnelly Jos S
329B Sarama Matthew
331A△Bradford Benj A
331B△White Constance Mrs
333A△Moriarity Francis M
333B△Walgate Agnes Mrs
334 Wolford Wm
335A△Westendorf Alf J
335B△Durfee Kent
335C△Miess John F
336△Siegel Harold
337A Parker John
337B Vacant
337C△Becker Wm A
338△Wilson Irene Mrs
339A△Beechey Wm E
339B△McCoy Carl W
340△Wagner Geo M
341A△Brown Geo
△Crew Thelma B Mrs
341B△Staskiewicz Leo J
342△Zygmunt Henry
343A O'Neill D Edw
343B DiPirro Romolus
344 Borek Maxmillian
345A△Huss Robt
345B No return
345C△Greene Leon N
345D△Battaglia Chas
346△Peters Frank J
347A△Bruce Archibald
347B△Thomann Irving
348△Krotz Gordon C
349A△Nayler Frank A
349B△Kitchen Carol
350△Roush Jesse A
351A△Oliver Harry T
351B Keith Genevieve Mrs
352△Kelly Jas J
353A△Pellegrino Julio
353B Vacant
354△Rotthoff Frank J
355A△Long Geo H
355B△Strait Russell D
356△Lanning Klahr R
357A△Nichols S Bernard
357B△Nelson John
357D No return
358 Bensen Helen C Mrs
359A△Hauser Edwin P
359B△Cattoni Leo P
359C△Kline Donald T
359D△Cooper Calvin
360△Bauer Arth G
361A Shapley Oneda I
361B△Bechtold Franklin
362△Macauley John F
363A△O'Hara Carlton
363B△Florian Robt J
364△Geary Wm M
365A Robinson Gloria Mrs
365B Turner Louis E
366△Benuit Reginald jr
367A△Davis Harry J
367B Vacant
367C Vacant
367D△McCartney John M
368 Szymanski Julian
369A Wasson Richd D
369B△Conrad Robt
369C Bflo Hosp & Oxygen Sup Co
△McKay Milton D
369D Markey Wm P
Edison av intersects
384△Harris Harry L
386 Donnelly Eliz
388△Broel Wm
390△Johnston Albert G
392△Griffin Howard
394△Serling Myron M
Collins Walk begins
408△Elbert Andrew
410△Tracy Robt E
412 Raymond Jas D
414△Campana John J
416△Keele Ronald
418 Paterniti Jos
Congressional Walk begins
432△Young Howard
434△Skelly Nora Mrs
436 Grover Sophie Mrs
438△Lesniewski Clare Mrs
440△Salin Saml J
△Rose Joan H
442△Rieker Wm A
Beiter Walk begins
456 Vacant
458△Schaeffer Otto
460 Karcher Donald G
462 Vacant
464△Palmisano Peter
466 Buch Jos
Eggert rd intersects

180

LANGMEYER AV — From Olympic av east to 2564 Bailey av
2△Green Chas G◎
4△Boersma Geo J◎
6△Paul Fredk B◎
7△Tota Michl◎ gro
10 Habitzruther Eug◎
△Hacker Maude Mrs
11△Kralick Helen
Schaefer Geo C◎
12△Daigler Emery E◎
15△Shapiro Nathan
16△Matthews Chas V
△Harding Herbert
19 Hicks Robt F◎
△Zaremba Rose Mrs
20△Lasker Eliz M Mrs◎
△Lasker Jas J
21△Jablonski Edw J◎
22△Fleck Frank◎
△Geblein Benj F
23△Kelchlin Elmer H◎
Kelchlin John J
24△Fitzgerald John M
△Rybicki Stanley
25△Butz Chas F◎
26 Montemaggi Anna Mrs◎
△Hering Edw S
27△Grau Paul E◎
28△Deinhart John G◎
29△Horvatits John M
△Horvatits Gabriel◎
33△Marks Raymond N◎
34△Hoerner Wallace F◎
35△Stapleton Eliz Mrs◎
△Zubler John
36△List Arth F◎
Schafer Patricia
37△Balk Casper J◎
38△Smith Martha Mrs◎
40△Heinz Albert
△Warda Dominick J◎
43△Styn Raymond J
△Styn Alex P◎
45△Schuteker Edgar A
Schuteker Ernest O◎
46△McManus Steph P◎
△Koski Wilfred
47△Wright Chas G◎
△Stewart Geo
50△Deth Albert C◎
51△Pearce Jos A
52△Needham Richd W
Schmitt Jos M◎
53△Koepf Lillian E Mrs◎
△Brinker Edw
54 Anderson Adam A
△Terry Victor A◎
57△Garrold Russell H◎
△Laufs Eric E
58△McCadden Mary E Mrs◎
59△Rybaczeski Edw F◎
△Setarz Anthony
60△Heisler Jos F◎
△LaCier Jos A
61△Schultz Leon
△Pitz Wm L◎
62△Wagner Jos C◎
64△Simon Edw M◎
△Boyle Ethel Mrs
65△Pinto Nicholas R◎
67△Shanaman Walter E
68△Smith Nelson R
△Kimmith Norman L
69△Wheeler Floyd D◎
△Terry Thexton
△Mallow Robt
73△Contact Earl W
△Mruk Robt
74△Meissner Stella Mrs◎
△Meissner Paul
75 Gravius Minnie Mrs◎
76△Schubauer Leo◎
△Gray Mae Mrs
80△Mordino Jos G◎
△McCarthy Victor
81△Gomlak Henry F◎
Bailey av intersects

82

LANNETTE — From Central av, east to 1400 Bailey av (Not open at Bailey av) Bailey av intersects

100

LANSDALE PLACE — From 451 Koons av east beyond Rustic pl
11 Constitutional International Spiritualist Chapel
△Ronald Bernard C Rev
13△Fritz Leonard◎
Maciejewski Leonard
Rustic pl begins
19△Murawski Geo
△Partell Howard N
23△Banks Richd J◎
Rorarius Harry E
25△Grace Albert T◎
△Grace Eug C
27 Szeluga Anthony jr
△Szeluga Anthony◎
29△Pitzonka Paul◎
Mumm Geo
35△Thomas Wm H
△Schnobrich Frank H
39△Benten Raymond J
41 Finsterwald Helen Mrs
43 Myers Albert S◎
45 Beth Jacob Cemetery

91

LANSING — From Joslyn pl east to 200 Military rd
11△Zorn Richd
△Klemowski Zigmund
15△Saramak John S◎
Malczewski Alex
17△Klemowski Danl◎
19△Simon Mary Mrs
△Swain Erwin E
21 Gagola Matthew
26-36△Texas Co (bulk sta)
Military rd intersects

50

LARABEE — From Hopkins east ½ block, 2 south of Marilla
12△Andol John S◎
16△Koch Adolph F◎

123

LARCHMONT ROAD — From 35 University av, north to Kenmore av
7△Lucitt Danl J◎
9△Danner Edwin J◎
11△Deck Gregory J◎
15△Priebe John W◎
21△McGroder Patk J◎
22△Gerber Wm W◎
25△Murphy John B◎
26△Hodson Cline M◎
27△Tenjost Wm P◎
30△Maddock Sayre P◎
35△Bentley John S◎
36△Brandt Wm F◎
Radcliffe rd begins
39△Blight Nellie S Mrs◎
43△Mache Chas L◎
45△Mayer Edw◎
49△Lessmann Frank P
53△Head Alan S◎
57△Bray Eliz◎
△Lahey Julia Mrs
61△Becker Edwin E◎
65△Dowd Wm J
69△Klein John A◎
73△Lyon Claire C Mrs◎
Bellevue av intersects
81△Young Robt D◎
82△Klendshoj Niels C◎
87△McMahon Jas R◎
90△Diem Gerald B◎
91△Farrell Frank D◎
93△Grimm Carl C◎
94△Christopher Geo C◎
98△Leiser Emma L Mrs◎
99△Soanes E Ward
102△Pankow Frank L◎
103△Kirch Chas E◎
104△Austin Edw F◎ bldg contr
108△Gabriel Edw A◎
109△Daum Earle B◎
112△Dunkle Russell S◎
115△Jacobs Pauline Mrs◎
116△Elsheimer Fredk C◎ jwlr
117△Morrissey Frank J◎
121△Senns Mildred Mrs◎
Kenmore av intersects

120

LARK — From 28 Sidney north to Northland av
14 Gaiek Mary
Wawro Wm
15△Davis Sarah Mrs
Davis Donald H
16△Occhino Jos A
△Fetto Philip A
17△DiFrank Jos◎
△DiFrank Edw S
19△Marasco Angelo
20△Giolando Serafin◎ plstr
△Leonardoi Nicholas
21 D'Addario Gito
Rovillo Chas M◎
22△Gugliuzza Frank
△Preziuso Frank F◎
25△Posterman Rebecca Mrs◎
△Koszi Steph
Posterman Chas huckster
29△Milazzo John S◎
△Domon Donald F
30△Fiorentino Isabelle◎
△Saldi Ernest J
31△D'Antino Angelo
32 Priore M Vincent
△Jasinski John J
35△Porreca Jos◎
△Deney Albert A
36△Rose Edw A
△DeMarzio Eliz Mrs◎
37△Filsinger Mary Mrs
rear△Cook Sherwood
38△Aschieri Irene Mrs◎
△Aschieri Jos
40△DeMarzio Pamfilo◎
△Maraschiello Jos A
41△Bacon John O◎
△Larrin Gladys Mrs
43△Houser I Wm
△Achenbach Gustav◎
44△Grasso Geo C◎ coal
△Grasso Frank
47△Brindley Howard G
Gudszen Carl
48△Saviola Peter◎
△Volk Chas A
51 Henfling Frank X
△Henfling Franklin
52△Grant Lloyd◎
△Rychel Victor
53△Tarabula Brownislaus
Zangel Kenneth
55△Swartz Wm◎
Rowe Lulu M
56△Kushner Azreal◎
Robertson Angus
58△Kalczynski Leon R
△Lieberman Philip S
△Daley Ellen G Mrs
△Rosinski John G
62△Tomaselli Jos J
△Limburg C Geo◎
rear Murray Ellen M
74△Iadarola Vincent J◎
75△Cuminsy John H◎
76△LaVorgna Alf G
77△Schrader Wm C◎
78△Sibilio Jos◎
79△Lipinski John S◎
△Luksch Jas
80△Kifner Leonard R
△Meyer Cyril
81△Davis Esther Mrs
△Bettis Marguerite Mrs beauty shop
82△Hoffarth Rudolph
Denler Louis F sht mtl wkr
83 Rzepka Mary Mrs
Rzepka Florian
84△Giafaglione Frank S
△Sibilio Jos jr
85△Wisniewski Anne Mrs◎
△Stockman Amby H
Northland av intersects

40

LARKIN — From ½ block south of Roseville north to Seneca, 1 west of VanRenselaer
189 Misiak Peter◎
Chodan Stanley
197△Panek Mary Mrs◎
△Malinowski Frank
205△Basinski Leon A jr
207△Ziola Vincent◎
△Paluch Arth
209 Pikul John
211△Pikul Jos◎
Tomaszewski Stanley
△Pikul Henry
215 Horymski Anthony
Roseville begins
241△Lincoln Truck Rental Inc (garage and stge)
Erie RR crosses
Exchange intersects
290-302△Howard Bros Chemical Co medicine
△Wilson Warehouse Inc
△Shell Oil Co whol
△Adourian John C whol feed
△Cowan Howard W deodorant powder
293-95 Vacant
315△Electric Apparatus Co distrs
Seneca intersects

200

LA SALLE AV — From 3025 Main, east to Eggert rd
15△Gartler Chas J◎
21△Weather-Guard Combination Window Co
25△Menig Jos F◎
29 Zambito Vincent J◎
33△Simons Walter B◎
36△Anton Earl◎
△Forbes Walter
37△Steeb John M◎
Corey Margt Mrs
38 Smith Bessie Mrs
40△Gerber Eug◎
△Laux Edw G Mrs
△Smith John F Mrs
45 Karwick Ronald S
△Lukomski John◎
48△Shaw Thos G◎
49△North Main Lumber Co Inc
52 Prentice Ralph L◎
56 Vacant
59△Gregg Neville Lbr Co
60△Mulertt Hans◎
78△Wenke Rudolph P◎
80△Schenk Carl G◎
83△Waldheim Ornamental Iron Works
89△Moore Chas P heating contr
98△Hausler Gerald W
100 Kramer Chas G◎
△Sindel Wm
101△Weber Otto◎ lumber
106△Gustafson Hjalmar◎

LA SALLE AV—Contd
110△Warning Fredk C◎
114△Sahlen Harold F◎
115△LaSalle Auto & Battery Service auto reprs
Cordova av begins
127△Korzelius Wm J◎
130 Martin Jas A
131△Gundy Jerome F◎
△DeYoung Edw
135△Coon Esther Mrs◎
137△Wagner Russell G◎
△Schneider Fred
140△Kruger Niels
141 Wilkin Chas E◎
142△Kelker John P◎
148△McMahon Jas P◎
152△DiNardo Les◎
153△Taggart Robt J
154△West Carl E◎
△Sottong Geo V
155△Madison Herbert A
△Warner Clark
157△Frost Harlan M Rev
158 Davis Nancy P Mrs◎
△Hawes Herbert C
162△Laux Chas J◎
△Allen Wallace D
163△Tweedy Wm W◎
166△Miller Wm A◎
167△Draper Geo E◎
Range av ends
172△Wood Jessia E◎
176 McCortney Wm B◎
Chambers Reed A public acct
177△Stevenson Francis A◎
180△Stevenson Allen◎
Powers Henry W
181△Cofrancesco Saml◎
185 Moser Jos D◎
△Heyer Edw E◎
186△Sapecky Alf◎
188△Wenger Edw C◎
189△Evans Geo◎
△Ambirk Peter M
192△Wenger Edna L Mrs◎
193△Hart Maurice R
△Ulrich Edw C◎ contr
196△Schoolmaster Geo◎
△Strauss Geo V
197△Trexler Helen B Mrs
△Middleton Wm S
200△Weast Paul R◎
△Fraser Ralph
201△Lang Mary J Mrs◎
204△Spinuzza Russell A
△Reger John J
205 Vacant
208△Meyer Harold G◎ plmb
209△Krieger Elbert G◎
211△Yates John
△Love Jas T◎
212△Schenk Chas F◎
△Barthol Karl F
216△Hemerlein Wm E◎
Seeger Otto F
217△Roth Chas
△Roth Richd G◎
220△Mercurio Michl◎
△Metz Frances
221△Abbonando Alfonso◎
224△Carland Geo M◎
225△Messina Russ◎
229△Frost Chas E◎
230△Mertes Jerome D
△Ent Paul G
Park Ridge av intersects
241△Hurley Thos J◎
△Hutchins Verner O◎
245△Rosche Wilbert◎ ins
246△Fischle Geo H◎
△Wurtz John J
249△Larzelare Roy
Miller Amabel S Mrs◎
△Tysen John J
250△Witt Frank◎
253△Rocco Anthony C
△Bartholomew Anthony◎
254△Matthies Lester J◎
△Williams Edgar D
257△Gillman Geo H jr◎
Gilmour John H
258△Trapper Henry J
△Friedly Clarence J
260△Kuhn Jos R
△Bechtel Peter J
△Summers Paul P◎
263△Newman Louis jr◎
Walter Geo E
264△Hinds Stanley N◎
Suggs Jack
265△Good Martin G◎
△VanEps Donald G
266△Rogers Steph
△Russo Jos◎
269△Schleuse John F◎
△Qualey Rose B Mrs
272△Fortkort Arth L◎
△Garey Jas A
273△Schreier W Leon◎ contr
△Mattison Sidney G
276△Johnson Pearl B Mrs
277△Lawe Hulda Mrs◎
△Martell David
280△Schweizer Gertrude Mrs◎
281△Abbott Clayton E◎
285 Austin Maybel C nurse
Austin Chas
286△Lewis Mabel A Mrs◎
Rideout Gerald
290△Wieland Robt E◎
△Swan John E
291△Schleuter Jos F◎
294△Braun Wm L◎
295△Williams Jas A◎

SENECA ST 1955

SENECA—Contd
378 Hassan Omar
ΔJackson Jos
ΔMurray Jeanette Mrs
Johnson Will
380ΔBrandt John C restr
S Cedar begins
400-02 Welcome Hall Playground
404ΔWelcome Hall Community House
405ΔPennsylvania RR Co (real est dept)
ΔPennsylvania RR Co (frt div)
ΔPennsylvania RR Co (operating dept)
ΔPennsylvania RR Co (traffic dept)
ΔPennsylvania RR Co (claim dept)
407ΔBuffalo Storage & Carting Co (dispr ofc)
412ΔChenorkian Geo
Stevens Alvin F
414 Urbino Augustine
ΔDeFilippo Josephine Mrs
418ΔSmith Marvin
ΔParker Willis C
ΔJones Edw
422 May Edw
Reese Wm
rearΔBroncata Anthony ⓞ
424ΔLanza Jos C barber
ΔJohnson Estella Mrs
Faulkner Marlene
ΔGrisson Floyd
426 Cohen Columbus
William Lorenza H
Mt Zion Holy Bible Ch of God
428ΔO'Rourk John W
ΔGilmet Geo ⓞ
430ΔBrunetta Peter ⓞ
Moreles John
432 Mellin Donald
ΔTortora Anthony ⓞ
434 **Apartments**
1ΔHarris Geo
2 Sledge Robt
3 Vacant
4 Perine Albert
5 Cheaton Hardin
6 Lillard Spencer
7 Foster Louis
8 No return
9 Nesbitt Theo R
434ΔGrandillo John
delicatessen
438ΔMastroicovo Michl ⓞ
ΔSierant Eva Mrs
440 Vacant
448ΔSmith O Roy ⓞ auto repr
452ΔLee Foster
ΔIsaacson Larry
rear Whetstone Virginia Mrs
454 Marconi Restaurant
462 Cremino Pasquale ⓞ
Kolacki Anthony
rear Vartabedian Nishan
464 Grzeski Jos
Morgan Idella
rear Lamarr Louis
ΔCase Emma Mrs
466ΔViola Jos J restr
ΔManisalco Veto
ΔDominico Larry
468 Walker Jos
Epperson Fred
470 Hall Cornelius
ΔMarcello Domonick
Hardwick Grady
ΔPlace Gordon
474 Santoro Jos A
ΔLillard Thos
476ΔLillard Moses
477 Pennsylvania RR Co (yd ofc)
478ΔAlabama Quick Lunch
ΔBravos Aristides ⓞ
480ΔPepe Mary L Mrs ⓞ
Alabama ends
487-93ΔIntl Harvester Co
490ΔCatalano Anthony S gas sta
Spring begins
503ΔStandard Milling Co (plant)
514ΔBurt F N Co Inc box mfrs
515-41ΔKeystone Whse Co The (stge)
541ΔWholesale Mart Inc
ΔH & N Bakers Supplies
ΔFranklin Research Distributors Inc wax
ΔDuBois Co Inc The
543ΔAndrew Paper Co
Hamburg intersects
551 Spinello Ciro N
Jefferson av intersects (not open)
NYCRR underpass
40
621 Seneca Whse Industl Center Inc (power hse)
663ΔGerry Provision Co whol meats
671ΔDraper Roy E eggs whol
681ΔMayflower Store Interiors store fixtures
ΔComfort Distrs Inc heating equip whol
ΔCCM Inc sporting gds whol
Larkin ends
696ΔPat's Lounge & Bar
Echard Stanley E
Czaplacki Edw W
698 No return

700ΔFire Engine Co No 32
ΔHook and Ladder Co No 5
701 **Seneca Warehouse Co Industrial Bldg**
ΔSeneca Warehouse & Industrial Center Inc
1st fl Sattler's Inc (whse)
ΔDuk-It Products (mach shop)
ΔBison Floor Covering Co Inc
ΔSeneca Lubricants Inc
2d flΔWelding Equip Sls Co distrs
ΔAce Embroidery
Advance Supply & Sales Co
ΔButts G E Co food brokers
ΔGarry Laboratories Inc auto parts
ΔHerald Plastics Inc whol
ΔLoblaws Carp Shop
ΔMeyers Jas O Sons chems
ΔOswald Fuel Co
ΔRosenberg H Z & Co surplus
ΔSeneca Sls Corp publ books
ΔStroh Elec Constn Corp
ΔAstmann Herbert K food broker
ΔBauman Constn Co
ΔManhardt-Alexander Inc prntg
ΔPocket Books Inc publs
ΔPoster Prod Inc color prntg
ΔThomson Symon Co posters
ΔAllen-Bailey Tag Co
ΔSales Tool Inc loose leaf binders
ΔWheeler John A mfrs agt
ΔCapex Co Inc trade show exhibits
ΔAlco-Gravure rotogravure
ΔParisian Novelty Co
ΔTudor & Jones farm sup
Perrygraf Corp charts
American Art Works metal signs
ΔMet L Check rust preventative
3d fl LaClede Mfg Co color card mfrs
ΔCollege Knitting Mills Inc
ΔNiklas Otto A signs
ΔDodd Mfg Co knitted gds
ΔGrider Printing Co
ΔPlasticoat Corp laminating
ΔColad Co Inc The publs of sch book covers
4th flΔJ & L Mach Shop
ΔClark Mfg Co mach shop
ΔClinwill Plastics Inc
ΔMcCormick Industries pnt fnshrs
ΔDavis Bulletin Co decals
Park Regal Inc (ofc)
Tinyanoff Isadore (ofc)
Coleman Furniture Co (stge)
ΔSwan Creations Inc mfrs plastic prod
ΔHall Chem Co Inc
ΔErie Tool Co
ΔEisenmann Fred A mfrs chrome frames
5th flΔJoanna Western Mills Co window shade mfrs
ΔPark Regal Inc sportswear mfrs
ΔTinjanoff Isadore tailors' equip
6th flΔErie Scientific Corp mfrs micro slides
ΔBlum Paul Co chemists
ΔTitan Mfg Co Inc mfrs elec heaters
ΔTitan Sls Corp heaters whol
ΔNiagara Envelope Manufactory Inc
ΔNewcomb N B Co Inc
Lowenjou Laboratories Inc
7th flΔSeneca Sales Corp whol books
8th flΔSattler's Inc whse
VanRensselaer ends
709 Vacant
721 **Duk-It Building**
ΔMcDonald Products Corp smoking stands
ΔWren Prod Corp smokers' articles
ΔCordova Shops Inc leather gds
725ΔGlose Henry J gas sta
Swan ends
Emslie begins
738ΔMarine Trust Co of Western New York (Seneca Emslie Ofc)
ΔGood Stuart A phys
ΔDowney Martin J phys
741ΔDeco Restrs Inc (br)
742ΔMardell Ike restr
ΔLawhowiak Della Mrs
744ΔWhite John
ΔGlowacki Stanley
745ΔHorse Head Inn
Niesyty Jos ⓞ

746ΔAlbrecht Ida
ΔIrvine Irene J delicatessen
ΔBates Grace nurse
748ΔO'Connell Richd R liquor
Biegojski Frances Mrs
755ΔBurstein Max W dentist
ΔIrvine John J
ΔBurstein Jacob phys
ΔKeller's Pharmacy
756ΔKowalski Sophia Mrs ⓞ restr
757ΔHarding Wm B fur repr
Janiszeski Edmund J
760ΔWinkler F X Sons gros
ΔWinkler Frank X
763 LoGrasso Jos barber
Maliski Edw
766ΔLynch Chas V Agcy ins
ΔAll-Weather Roofing Co (br)
Fisher Chas
767 Andolina Thos J shoe repr
Melnyk Alice Mrs
768ΔFranks E A & Son hdw
ΔKeicher Norbert J
ΔMeinzer Anna L Mrs
770ΔDudzick Jos F jr restr
Jewula Bernard S
771 Answeeny Victor
773 Vacant
774ΔLittle Seneca Theatre
775ΔPhil's Furniture & Appliances
780ΔBernard Confectionery
ΔMiller Bernard H
ΔFreeman Alf
rear Lisk John
781ΔBflo PO Station D
ΔMulligan Paul
ΔKent Nelson
Hydraulic ends
782ΔMcConnell Albert A
784-90ΔHarbinson Jas K & Co Inc
784 Kern Geo P
789ΔPublic School No 5
790 Elmwood Kath
Fornaro Pietro
ΔAngeloff Saml
792ΔTerry T L Inc jwlrs
794 Vacant store
ΔHerold Frank ⓞ
797ΔDollar Dry Cln Co Inc
798 Dengos Walter jwlr repr
ΔDengos Edw
800 Vacant
811 Dollar Dry Cleaners (store rm)
813-15ΔDollar Dry Cln Co Inc (whse)
817 Swan Cleaners (store rm)
Lewandowski Stanley
ΔWitowski Lottie Mrs
Scheer Chas
819 Krawec John
Shields Wilbur V
rearΔKloch Antoinette
Yopyk Wasyl
823ΔPaluch Andrew ⓞ gro
Baranackyj Dmitro
Griffin ends
Lord begins
829ΔGladkowski Olga Mrs ⓞ restr
831ΔMonica Edw J
ΔKobylanski Frank
832ΔGulf Oil Corp (br)
833 Bialy Lawrence barber
ΔZipp Robt W
ΔReed Norman
ΔUhlman Donald ⓞ
ΔUhlman Emily beauty shop
837 Niesyty Peter ⓞ
ΔKucan Michl T
839 Vacant store
ΔChowanie Walter A
ΔBorodzik Jos R jr
840ΔZakrzewski Frank J restr
ΔScherdsitski Fred
843ΔKotla Antonia B Mrs
ΔWojtulski Leonard F
Raczka Mary Mrs
848ΔJalowka Walter ⓞ tobacco whol
849 Battaglia Jos barber
ΔShattuck Wm R
Prosliak Anna
rearΔSmith Marie Mrs
851ΔNalewajek Walter
ΔLazarz Walter S
852ΔMcGurn Raymond R
ΔSmutek Magdalene Mrs ⓞ
853ΔStrzepa Peter ⓞ barber
Adamuck Martha Mrs
rear Roll Sylvester L
ΔMichalak Anna Mrs
857ΔBorodzik Louis L
ΔBorodzik Frank L
ΔStoklosa Cath Mrs
860ΔContractors Ornamental Steel Co
863ΔSzumiel Julia Mrs ⓞ restr
ΔBorodzik Jos
864 Chivirul Louis
Twazycko Michl
Middaugh Geo
865ΔBiniolas Manuel confr
ΔKobylanski Bernice
866ΔKazmierczak Louis ⓞ real est
Balon Peter F
867 Zintek Matthew
Kriak Stefan
ΔRegina's Beauty Shop
870 Zintek Leo J
Zawieruszynski Wm

871ΔBelasik Adam ⓞ
872ΔNowak Agnes Mrs gro
ΔWoronzak Wm
rearΔNowak Alf
874ΔGertz Frank ⓞ
875ΔSerafin Anthony ⓞ restr
878ΔMills A and Sons scrap metal
879ΔLiquid Carbonic Corp carbonic gas mfrs
886ΔSchultz's Liquor Store
ΔMarlow Cath Mrs
ΔSuwalski Walter
888ΔSzelag Jos radio repr
ΔLetina Steph N
889 Sadowski Helen A Mrs
ΔBuczynski Aug
Godak Stanley
Demkiw Lukas
Jankowski Sophie ⓞ
Kusmierz Andrew ⓞ
891ΔErie RR Co (temp ofc)
ΔStimm Howard F Inc (temp ofc)
Wilsdorf Julius
891½ Zurat Walter
892 Toczylowski Louise Mrs
ΔChmurzynski John shoe repr
892½ΔGuzzetta Louis J barber
894ΔSienkiewicz Jos S restr
ΔMach Vincent ⓞ
Fillmore av begins
Smith intersects
903ΔSolomon John J jr variety store
ΔSolomon John J ⓞ
906ΔLommer Wm H restr
ΔConners Allen
Palewodmski Stanley
910 Olszowka Michl
ΔPiechnik Stanley
912ΔDudek Andrew B ⓞ
914ΔEuscher Luella
rear Dembowski Jos
916ΔGacek Steph ⓞ
rear Beatty Geo E
918ΔGacek Helen Mrs beauty shop
Erie RR underpass
935 Gutek Mary Mrs
937 Hyrnczak Leon
940ΔBflo Hardwood Lbr Co
980ΔBittner H A Co elec appl
NYC Sys underpass
1035ΔPierce Grain Corp whol feed dlrs
ΔTransfer Elevator Corp
1043ΔSchurr Carrie Mrs
1055ΔAtlantic Lumber Co Inc whol lbr
1073ΔStott Robt A ⓞ
1077ΔQuinn Sarah A Mrs ⓞ
1079ΔKiebzak Bros auto reprs
Peabody ends
1087 Gorkiewicz Chas ⓞ
1089ΔBaran John J ⓞ
Kraft Frank J jr
1095ΔDobrzenski Dorothy delicatessen
rearΔBarrett Chas E
1097 Cannisi Pietro shoe repr
1100ΔNational Lumber Co
1101 Hartmetz Richd
ΔHalloran Margt M Mrs
ΔRichmond Thos P
rearΔKinsella Anna L Mrs ⓞ
Walter ends
1115ΔKaczmarczyk Mary Mrs ⓞ restr
1117ΔRomey Walter R restr
1119ΔSmith Jas
ΔDonohue Michl J ⓞ confr
1121 Keough Thos A
ΔHauser Margt D Mrs
ΔMaulucci Dani D plating
1123ΔRadomski Leopold A ⓞ gro
Newman Fred
1132ΔWestinghouse Elec Corp (serv dept)
1133ΔCarolan & Cunningham Carolan Agnes
Maurice ends
1139 Fortin Arth
ΔStrasser Herbert ⓞ delicatessen
rear Forten Mary Mrs
1143ΔBlock Ernest P restr
ΔWhite Thos A
1145ΔBig Little Store variety
1146ΔRobinson Clay Prod Co Inc
1148 Vacant
1151ΔKorzeniowski Victoria K ⓞ
ΔBartel's Market
1155 Wackowski John J ⓞ
ΔTatar Julius
1159ΔKeach Delia E Mrs
ΔDecker Frank J
ΔNu Way Markets (br) gros
Orlando ends
1167ΔTrimarche Carl barber
ΔPeuquet John ⓞ delicatessen
1168ΔBflo Bar Supply restr sup
Wasson begins
1173ΔDoyle Jos C ⓞ
1175ΔArndt Albert L ⓞ
1177ΔStewart Emma Mrs ⓞ
ΔPiechocki Walter E
1181ΔRoyal Cash Market meats
Byers John I
1182ΔStMatthew's Episcopal Church
1183ΔA&P Food Stores (br)
ΔMoore Wm

SENECA—Contd
1186ΔWalker Louis ⓞ
1190ΔNew Oakdale Theatre
1191ΔPolice Precinct Sta No 9
1192ΔWoods Edw ⓞ
ΔBabcock Grill
Babcock intersects
1199ΔMichael's Food Market
ΔMichael Fred W ⓞ
rearΔDrews Theo J
Bachara John
1200-02ΔBradley's bowling alley
ΔBradley Theo ⓞ
1204ΔBlendonohy Dymitro
ΔQuality Home Bakery Inc
Kinney Harold T
1205ΔVallas Ice Cream Parlor
ΔVallas Paul ⓞ
1206ΔPartington Geo W
ΔTychinski John J
1207ΔWilson Walter H chiropractor
ΔBugin Saml S clo cln
Sutton Ruth Mrs
1208ΔKline Jos W delicatessen
ΔRoss Wm M
ΔRickard Thos A
1209ΔDengos Andrew F
ΔDengos Frank W
1211ΔPage Edw R ⓞ
ΔBardo Harold C
1212ΔSherman Jos ⓞ phys
Sexton Jack R
1214ΔBridgewood Edw L ⓞ
Drzazga Jos
1215ΔMakohon Xenia Mrs ⓞ
ΔMakohon Michl A lwyr
1218 Seneca St Meth Church
1219ΔMekelburg Wm ⓞ
Mekelburg Carlton F
rearΔSchiffhauer Jerry G
ΔAllied Fence Co
1221ΔDrews Angeline H ⓞ drugs
rearΔDrews Arth F
Imson intersects
1231ΔBates Soap Corp
1232ΔMann Ernest E radio repr
1234ΔRe-Nu It Cleaners
Grady Building
(For occupants in apts see 91 Imson)
1236ΔPilato Jos ⓞ
Hallowell Ralph R
Hollenback Lawson
Rohauer Alston F
1238 Holland Chas T
ΔDugan Michl
ΔReynolds Jos C
Kurtz Mary Mrs
1239ΔMurphy Mary J
ΔDuffin Minnie E Mrs
1240ΔBert's Upholstery
1241ΔMcCullough Sarah M Mrs delicatessen
1244ΔSeneca Esso Service Center
Oakdale pl ends
Troupe begins
1259ΔLewandowski Stanley L ⓞ
1261ΔCislo Stella Mrs ⓞ
Maulucci Dani R ⓞ
1263ΔDecker Anna R Mrs
ΔGriffin John R
1265ΔVaughn Smith D
Wierzvinski Teofil ⓞ
1266ΔAuto Trailer Rental Co
1267ΔGramza Anthony E ⓞ
Fassel Robt J
1270 Krantz Leroy L
1271ΔDrogoszewski Constantine ⓞ
1272ΔMorlock Harold F
ΔMaynard John
1276ΔBauer Louis H
ΔDaly Sarah Mrs
1278ΔEigenbrod Elmer N
ΔWayer Julia M Mrs
1282ΔDenne Wm F
ΔSmithendorf Marlea Mrs ⓞ
1284ΔBless Frank A delicatessen
ΔWhite Chas W
ΔSchweitzer Henry
Milton intersects
1293ΔCook Robt H
Patrikus Elmer
1294 McGinley Julia A Mrs
ΔJohnson-Wahle Electric Co
ΔBreen Lucille Mrs
Andriaccio Leonard V
1295ΔFurlong Gertrude E
ΔBeyer Chas F
1297ΔMutton Fredk C ⓞ
1298 Bernstein Abr ⓞ
ΔNigro Nicholas barber
1299ΔTalty Frank P & Son plmbs
ΔTalty Jas J ⓞ
1300ΔBooth Albert C delicatessen
Booth Albert C ⓞ
Pascall Arth
rearΔKlemp John F
1301ΔMathis Louis E
Kurek Jos ⓞ
1302 Kalinowski Helen C Mrs
VanScoter Ellen M Mrs
ΔFans Restr
ΔStack Walter
Maracle Ronald J
1303ΔBoffey Fredk
ΔMochol Henry J

EVELYN—Contd
19 Williams Herbert
Hopkins Thos J Ⓞ
20 Johnston Harold R
21 Keil Wm G Ⓞ
26 Hawkins Ralph G Ⓞ
27 Durkee Frank E Ⓞ
30 Rung Edw R Ⓞ
33 Youngberg Erik A jr
34 Tower Jas T Ⓞ
37 Smith John W Ⓞ
38 Schmitt Wilbert P Ⓞ
41 McVey Elsy D Ⓞ
45 Snyder Arth Ⓞ
46 Mock Alvin J Ⓞ
49 Williams Franklin C Ⓞ
50 Sunisloe Pearl V
51 Kirschner Rudolph J Ⓞ
Kirschner Cornelius
52 Hallett Thos S Ⓞ
54 Jones Cath Mrs Ⓞ
55 Kania Walter Ⓞ
56 Brown Clarence J Ⓞ
57 Dressel Wm A jr
Walters Arth
58 Huff Leo S Ⓞ
Murphy Jos D
61 Findlay Geo Ⓞ
62 Schamberg Geo B Ⓞ
Navadel Geo M
63 Wood Leonard H
64 Ledwin Wm J
Ronkos Chas
67 Thasenvitz Otto A Ⓞ
68 Rowe John V
69 Geiger John A
70 Popadick Wm P Ⓞ
73 Gunning Herbert J
74 Taylor Roy B Ⓞ
75 Thousandfriend Gustave Ⓞ
76 Strong Vinton
79 Sanders Eliz W Ⓞ
80 Bullock Pearl Mrs Ⓞ
81 Morrison Jas W Ⓞ
watchmkr
82 Lozinsky John J Ⓞ
Ontario intersects
116 Kish Jas Ⓞ
120 Lengel Frank Ⓞ
121 Haft Wm Ⓞ
123 Yelenik Albert
126 Grozins Jas Ⓞ
127 Frenczik Jos
128 McDowell David
131 McGee Anna Mrs Ⓞ
132 Pearson John H Ⓞ
133 Magyar Michl J Ⓞ
134 Koncsol Mary Mrs Ⓞ
138 Murphy Jas P Ⓞ
139 Bota Jos J Ⓞ
140 Young Clarence F Ⓞ
144 Breitwieser Robt L Ⓞ
145 Sullivan Thos Ⓞ
146 Martin Henry Ⓞ
Gessert Clyde
149 French Andrew N Ⓞ
151 Reuillard Camille J Ⓞ
153 Griffin Frances M Ⓞ
NYCRR crosses

2-B-1

EXCHANGE—From 171 Main east beyond Selkirk (not open between 1 block east of Hydraulic and Smith)
10 Seafarers Intl Union of North Am (AFofL)
Linger Bickerd Co mill supplies
12 D & T Cleaners
Limeri Vincent
14 Limeri Vincent restr
22 Laszewski Thaddeus B fill sta

2-B-2

Washington intersects
48 Hex Manufacturing Co television
50-52 Frasse Peter A & Co Inc steel
54-58 Hotel Avon
Hotel Avon Cafe
Young Geo C
Ellicott begins
74 McFarren Robt F prntr
78 Queen City Photo Engraving Co
80 Am Dist Teleg Co Inc
82-84 McFarren Robt M (whse)
86-88 Root Press The printers
Wells begins
130 Vacant
136 Arlington Hotel
142 Bobrowsky Hardy H restr
152-54 Trapani Dominic railroad contr
154-60 Montgomery Danl Hotel
Harrison Herman
162 Fuller Connor auto repr
176-78 Central City Hotel
Michigan av intersects

8

Chicago overpass
Louisiana overpass
Alabama intersects (ss not open)
NYCSystem crosses
Hamburg overpass
565-67 Craver-Dickinson Seed Co whol seeds
568 Guzdek Bebbeanna Mrs Ⓞ
586 Tarbet Trucking Inc waste
Jefferson av begins (not open)

40

NYCRR crosses
600 Lyons Transp Co Inc
Niagara Motor Exp Inc
Anchor Motor Frt Inc of Delaware
650 Iroquois Door Co (garage)
Trailmobile Co (br)
659 Iroquois Door Co cash and doors
Larkin intersects
se cor Wabash Ry Co Bflo Term Div
Intl Forwarding Co
VanRensselaer overpass
714 Curtiss-Wright Corp (ofc) airplane mfrs
786 Wheeler Motor Express (ofc)
Riss & Co Inc motor transportation
Hydraulic intersects (ss not open)
(Not open between 1 blk east of Hydraulic and Smith)
Smith intersects
927 Strauss Helen A
Casey Clyde
929 Dudek Estelle A Mrs
931 Cielesz Mary Mrs
rear Rapa Michl Ⓞ
933 Rusinski Edw
Kobus Anthony A
Andrew al ends
936 Nowicki Bernard L
938 Setlock Jos A
Wierzchoslowski Edw R
rear Gaska Geo
939 Wilson Mary Mrs
Kiedel Florian
941 Winiarski Stanley
Kaminski Frank
945 Sluchan Roman Ⓞ
Sordyl av ends
949 Szczepanik Michl Ⓞ gro
Chmiel Felix A
951 Zajac Edw J
Kobus Stanislaus
rear Mikolajczak Thaddeus
Zuber Jos S
955 Bednarz Philip
Bulera Walter S
Kicinski Edw M
961 Pawlowski Casimer C
Imbirowicz Alf J
963 Kwietniewski Edw
Zielywski Frank Ⓞ
rear Lauff Albert M
Sobieraj Edw A
965 Wier Thaddeus A
967 Gorski Jos gro
Curtin John C
Nestor Michl
Wiacek John T
Daytona al ends
969 Evans Paul
Dzielski Walter
Skorupski Emil E
979 Lester Jas E Ⓞ
Morlock Aloysius P
981 Rindos Jos
rear Kwaizer Chester Ⓞ
983 Pogorny Vincent Ⓞ gro
Suchan Thaddeus
991 Lofek Frank E Ⓞ
Selkirk ends
995 Szczepanik Edw A Ⓞ restr
Stachura Max
997 Grochol Vincent Ⓞ
Zielinski Chas
999 Denek Steph Ⓞ
Podolic Jos
rear Kremblas Stella Mrs
Stelmach Alf E
1001 Szczepanik Matthew E restr
Szczepanik Jos M Ⓞ
Minorczyk Walter L
rear Lewandowski Steph

1B-6

EXPRESS ALLEY—From 218 Pearl west to Franklin
(No houses)
Franklin intersects

99

FAIRCHILD PLACE — From Linden av north to 1183 Hertel av
1 Brossway Margt Mrs
Rieth Hermann
2 Sileo Danl
Berzon Lester J
5 Papko Constantine Ⓞ
Ductor Gregory
6 Golding Jas G
Johnson R Bryant
9 Hunter Arth C Ⓞ
10 Petrino Frank
Hodges Kenneth C
15 Corcoran Eug Ⓞ
16 Genco Philip A Ⓞ
Mighton Harold R
17 Flore Wm C
18 Chase Chas E Ⓞ
Glaser Harry C
19 Carpenter Wilbur L Ⓞ
Ridderstrom Ralph K
20 Diebold Edw M
Walters Edw G
23 O'Rourke Arth B
Crangle John J
24 Myszynski Nelson N Ⓞ
27 Carpenter Chas H Ⓞ
Britton Danl W
28 Connolly John J
29 Fay Bessie H
30 Onions Frances M Mrs Ⓞ
Tioga begins
33 Brodie Jas H
Frawley John R
37 Felman Meyer I Ⓞ
Rosen Jerome
39 Wonderly Leroy
Shattuck Mattie
40 McCarthy Raymond J Ⓞ
Simpson May Mrs
43 Sticht Jos F Ⓞ
Sticht Norbert Ⓞ
44 O'Connell Mary Mrs Ⓞ
Martin Mary O
45 Warnick Simon
Idels Reuben
48 Lund Roy Ⓞ
49 Fontana Santina Mrs Ⓞ
Maloney Arth J
52 Parker Gertrude C Ⓞ
53 Woeller Laura Ⓞ
Elsheimer Raleigh E
54 Heavey Martin R Ⓞ
57 Woodward Danl J Ⓞ
58 Seymour David A
Glazier Geo S
59 Smith John L Ⓞ
62 Fagyas Andrew
Winterkorn Lawrence
63 Rose Genevieve Ⓞ
65 Muller Conrad E Ⓞ
66 Buyers Wm A Ⓞ
68 Yorko Anna Mrs Ⓞ
Dakota begins
69 Rockwood Leon S Ⓞ
71 Daley Eliz R Ⓞ
75 Gilbert Lawrence
Gilbert Chas Z Ⓞ
78 Beggs Alex H
79 Slavin John
Lang Jos A
83 Warsitz Robt J
Clark Olive T Mrs
84 Lazroe Martin Ⓞ
85 Rublee Robt M
Ebel Julius E
88 Durning Paul D Ⓞ
89 Forest Anna C Mrs Ⓞ
91 Audino Russell J Ⓞ
Zuchlewski Bernard A
92 Babcock Richd E Ⓞ
95 Gregg Donald R
Ference Michl V
96 Mode Peter G
Robertson Bertha S Mrs Ⓞ
98 Clune Wm T
Brown Mannie A
102 Ehrlich Philip J
Strauss Saml Ⓞ
Hertel av intersects

115

FAIRFIELD — From 2516 Main northwest to Amherst
14 Schupp Clarence H
O'Leary Chas A
16 Amsden Ellen Mrs
Clark Allan N
18 Latz Alice Mrs
22 Stauffiger Roy W Ⓞ
24 Jankowski Frances Mrs Ⓞ
Urry Edwin L
25 Pfohl Louis L Ⓞ
26 Ebner Edw A
Trowbridge Jos E
Doyle Frank E
28 Gibbons Thos R
34 Buerger Paul T
Frederic Robt S
Heuser Fred Ⓞ
Storey Wm L Ⓞ
35 Klipfel Chas E Ⓞ
36 Ervin Sadie L Mrs Ⓞ
Marcha Clifford P
39 Russell Caroline Mrs Ⓞ
40 Evans Grace T Mrs Ⓞ
42 Smith Coulling J
Kibby John V Ⓞ
44 Bruce Lula C Mrs Ⓞ
Hellriegel Arth G
50 Alf Magdalene M Mrs Ⓞ
54 Ebner Edw H Ⓞ
Wilson Leon C
Orchard pl ends
57 Neeler Blanche Mrs Ⓞ
Pfau Willis W
58 Gatt Walter Ⓞ
Hildebrand Wm
59 Monan Agnes Mrs
Healey Francis D
60 Jettas Dean C Ⓞ
Lynch Maxey J
62 Willis Jay S Ⓞ
Davey Theo E
63 Wallace Georgina M M Mrs Ⓞ
Wallace Robt S int dec
Shaw Robt
68 Kelly Eug T
Keenan John H
Whalen Susie M
69 Riley Pearl Mrs Ⓞ
70 Barnes Paul C Ⓞ
71 Bakos Walter Ⓞ
72 Yeager May Ⓞ
Doherty Wm L
73 Gaffney Marie W Mrs
75 Spann Louisa J Mrs Ⓞ
76 Young Donald G
Meidel Jos F Ⓞ
78 Davison Robt J
Norris Jos D
82 Bonin Jos N
Haren Margt K Mrs Ⓞ
84 Stahrr Jos M Ⓞ
Champlin N Harry
88 Stangl Anton A Ⓞ
Ditzler Clarence J
Vernon pl intersects
92 Wetzel Florence A real est
Wetzel Anthony L int dec
Wetzel Wm G int dec
Wetzel Lillian M Ⓞ
94 No return
98 Polder Cecelia M Mrs Ⓞ
100 Smith Decker R Ⓞ
103 Altman Eli Ⓞ
104 Moynihan Eliz M Ⓞ
105 Friol Louis N Ⓞ
106 Turner Jos F Ⓞ
Studer John E
107 deGrasse Lillian Mrs
109 King Maude D Mrs Ⓞ
110 Block Donald J Ⓞ
O'Day Agnes M Mrs
112 Wagner Emma L
Kreinheder Henry Ⓞ
116 VanDeWater Jerome D Ⓞ
122 Cooke Iva E
Sheehan Grace L
124 Savage Earl P Ⓞ
Webber Chas C
Amherst intersects

66

FAIRVIEW AV — From 2302 Seneca northeast ½ block
13 O'Brian Chas A Ⓞ
14 Cavanaugh John D Ⓞ
15 Fahey Thos J
16 O'Donnell Fannie B Mrs Ⓞ
19 Maloney Frank J Ⓞ
20 O'Brian Chas A Ⓞ
21 Wulke John J Ⓞ
22 Pfeffer Marian N Mrs
25 Kless Victor J
26 Conley Jos H Ⓞ
28 Burr Eug K Ⓞ
Roth Chas H
29 Byrne John K

25

FARGO AV—From 232 Hudson northwest to Niagara
3 Redino Nicholas Ⓞ junk
Ballachino Dominic
Bracco Anthony
6 Vara Chas L
Streci Jos V
7 Redino Saml
11 Polito Jos J Ⓞ real est
14 DiGati Alfonse
Senzaroba Josephine Mrs Ⓞ
Bellanti Philip
Corcoran Michl J
15 Cannizzaro Annuncio Ⓞ
Lovello Dominic
Rinaldo Danl
16 Contino Jas Ⓞ
Contino Carmen
Vitello Anthony J
19 Giammaresi Santa
Mendola Chas Ⓞ
20 Salemi Anthony
Ritchie Robt R
23 Rinaldo Leonard D
Zaccagnino Paul
rear Naples Peter J
24 Thomas Danl J
Thomas Dominic M
27 Controneo Geo Ⓞ
Zanda Angelo C
Cotroneo Carmen
rear Vaccaro Thos
28 Thomas Chas A Ⓞ
31 Rizzo S Saml Ⓞ
Burgio Andrew V
rear Rizzo Jos J
32 Mills Ella L Mrs Ⓞ
33 Fiorella Frank Ⓞ
DiPaola Jerome
34 Russo Anthony
36 Reed Ralph
Doepp Eug J Ⓞ
39 Costello Chas S
Mancuso Peter
Carlisle Homer G
Spoon Jos Ⓞ
40 Marzo Jas A Ⓞ
41 Valone Nate
Susan Henry
Orlowski Edw
42 DiGesare Anthony J Ⓞ
44 LaGreca Mary Mrs Ⓞ
46 Sciandra Andrew C Ⓞ paperhngr
Tutino Michl J
47 Mazuca Michl Ⓞ
Pucci Jos Ⓞ
Gimbrone Chas J
49 Lapierre Alf
52 Parisi Frank I
Velvo Jos Ⓞ
Pennsylvania intersects
70 Calandra Vincent A Ⓞ
78 **Apartments**
2 Hewitt Fred
3 Kubiszyn Jos
4 Weber Alex A
5 Seuling John J jr
6 Todaro Anthony
Street continued
79 Sapienza Vincent R Ⓞ
DiPalos Louis
80 Kubiszyn John H Ⓞ
81 Messina Jas Ⓞ
Callea Thos S
82 **Apartments**
2 Barse Caroline Mrs
3 Teresi Lucy Mrs
4 Manguso Chas
5 Sante Geo
Street continued
84 Kmiotek Danl
85 Pellgrino John Ⓞ
Sinenni Thos
Farrar Dominic
88 Galvin Nancy Mrs
Mascorella Jos
89 Giancontieri Jos
Bellance Frank R Ⓞ
90 Madonia Gasper B Ⓞ
Maranto Jack

FARGO AV—Contd
92 Barone Sarah L Ⓞ
Inguagaito Geo A
93 Walsh Kathryn A Ⓞ
96 Bertola Chas J
Champagne Alide J
LaScala Harry
97 Rosebrough Richd E
Aldrich Robt P
Dorsey Anne M
99 Hynes Cath Mrs
Scozzaro Louis J Ⓞ
100 DeDominicis Rocco N Ⓞ
102 Hamilton Louis
Alfano Steph
Belisle Raymond
105 Lapetina Bert
Termini Isidore Ⓞ mus tchr
Termini Chas mus tchr
106 Agro Nicholas Ⓞ
108 Castrogiovanni Jas Ⓞ
Lancalese Vincent
109 Martina Chas I Ⓞ
112 Siracuse Mary Mrs
Saia Anthony
115 Monforte Salvatore
Cimini Pasquel L
118 Gill Danl V Ⓞ
Gill Danl J jr
119 Mahoney Anne Mrs
Leon Jas W
121 Carlucci Anthony
122 Buffomante Russell
SanFilippo Angelo
Longo Michl Ⓞ
126 Maraschiello Frank
128 Testa Jos
Massaro Saml Ⓞ gro
Jersey intersects
148 Marciano Chas Ⓞ
Newland Fred D
149 Montana Jos L trucking
151 Yamarino Bartholomew A Ⓞ
152 Simari Carl
Simari Anthony
154 King Jas H
Lavango Vito
rear Olday Wm
Balistrere Dominic J
155 Gaudioso Victor P
Gaudioso Thos
Rizzo Chas J
Balisteri Salvatore
157 Lattuca Angelo Ⓞ
Klimik Wilbur
Ellis Thurstone
158 Baird John F
161 Durnell Floyd
Sciumeca Philip Ⓞ
162 Ancona Frank Ⓞ
Marchitte Jos J
163 Acquisto Louis J
164 Fiorella Anna S
Vetrano Jos Ⓞ
Vodolo Jos F
rear Bumbalo Anthony J
166 Gulino Russell
167 Weller Wm Ⓞ
168 Rizzo Leonard
Competillo Anthony
171 Menza Michl Ⓞ
172 Viola Angelo Ⓞ
Maraschiello Josephine Mrs
rear Bowen Edw
173 Balistreri Anthony
Flaminio Gaetano Ⓞ
174 DiGiacomo Vito
Muffoletto Anthony
174½ Thomas Louis J
Ciovacco Albert
175 Maraschiello Jos D
Incorvaia Alex Ⓞ pntr
175½ Yannello Russell
Incorvaia Angelo
178 Orlando Jos Ⓞ
179 Loracano Saml
Catania Liboria Ⓞ
180 Gianturco Jas Ⓞ
Gianturco Thos
181 Maggio Carmello
Spada Louis Ⓞ
182 Guglielmo Domenic Ⓞ
Guglielmo Angelo
183 Syracuse Chas
186 Phillips Jennie Mrs
LaBella Vito Ⓞ
187 Werkley Helene Mrs
189 Rothaug Tena
192 Gigliotti Benj

47

Porter av intersects
238-54 American Palace Laundry
Bflo Genl Laundries Corp
Connecticut intersects
277 Oates John P
O'Connor Eliz Mrs
281 Insalaco Michl Ⓞ
Rubino Leonard
rear Celliberto Anthony
283 Ginelli Nicholas J Ⓞ
Chambers Geo L
284 LaFalco Dominic E
285 Jackson Andrew
286 Hamman Theo T
Acquisto Jos
287 LaDuca Anthony G Ⓞ
LaDuca Robt
288 No return
290 Carroll Mary C Mrs Ⓞ
Ecker Horace
293 Cavanaugh Philomena
Lissandrella Albert
294 No return
295 Bellomo Salvitore N Ⓞ
296 Brignone Jos A
Collesano Frank J Ⓞ
296½ Sinatra Rose Mrs
Sinatra Saml

HAMBURG ST 1950

268 Main AVIATION INSURANCE Tel. Madison 2173

HAGEN—Contd
226 Lerczak Henry @
229 Howard Ernest P @
230 Valentine Ernst F @
Beil John J
232 Heigl Bernard M @
233 Dumbar Harold A @
235 Fluviot Louis E @
236 Gernold Frank
Flint Nelson R @
237 Murray Lester @
240 Szen Albert R @
241 Happ Jack M @
242 Thompson Florence M Mrs @
243 Stabell Chas J @
244 Mackert Arth F @
247 Flechter Peter F
248 Pitman Chas A @
253 Heine Jos @
254 Meinzinger Mary Mrs
255 Schau Howard P
256 Collier Anthony H @
259 Ledwin Geo H @
260 Miller Julius G @
Hamilton Edw
261 Pratt Geo E @
262 Weckerle Alois J @
huckster
265 Pitz Wm H @
Pitz Eug A
266 Doerfling Fred W
Wackenheim Albert G @
E Delavana av intersects

120

HAGER — From 314 Northland av north to E Delavan av
15 Felber Mary A Mrs @
Felber Robt L mason contr
16 Smith Ernest J @
rear Gaffney Francis J
17 Zollitsch Raymond J @
20 Coughlin Mary Mrs @
Hellriegel Raymond G
22 Ross Victor junk
Sampognaro Phillip @
Bingenheimer Walter L
23 Jensen Florist
Berg Walter E @
Lewinski Jos @
Florida intersects
39 Lallox Adolph F @
41 Saskowski Lottie C @
43 Hellinger Albert @
47 MacGlashan Earl A @
49 Renner Quintin P @
53 Obersheimer Frank H @
55 Vacant
59 Loney Herbert
Kennedy Danl J
Braunstein Harry O
61 Russell Ralph L @
65 Brown Andrew R
Wishman Richd H
Miller Barbara Mrs
67 Klenk Lydia A Mrs @
71 Morris David J
Percy John F
73 Karl Edw @
76 Smith Matilda M Mrs @
Minto Wm S
77 Reed Wm D
Alexander Ida L Mrs @
79 Clancey Arth F
Pangleton Peter
81 Drumm Jos R @
82 Wertheimer Minnie Mrs @
86 Hubbard Lida M Mrs
E Delavana av intersects

40

HAGERMAN — From Swan north to Seymour, 1 west of Emslie
4 Nieman Wm A plmbr
6 Nieman Mae Mrs
Seymour intersects

53

HAGGART ALLEY — From Gull north to 37 W Ferry
14 Murphy John
37 Carmody John
W Ferry intersects

160

HALBERT—From Gesl north to Rodney av, interseeting 100 Leroy av
3 Holcomb Robt J
5 Gross Harold
9 Eichhorn Edw J
11 Chiz Frank A
15 Brown Fred W
17 Meyer Lillian Mrs
19 Bodnar Jos
Webb Wm
23 Gagern Wm A @
Cason David T
29 Malone Idella
Horn Edw A
Dewey av intersects
53 Saunders Geo R
Bechtel John H @
54 Zeitz Frank A @
Hacker John E
55 Matters May F Mrs @
56 Ehlers Nelson J
59 Knab Norman A
Meyer Harold W
63 Pasey Alwyn Mrs @
64 Williams Jennie
Williams Leslie L
67 Kelley Robt B @
rear Horning Ervin
68 Horan Anna E @
Knaier Gordon N
71 Hayden Wm W @
72 Meyers Wm H @
75 Zimbaris Geo T
76 Fischer Henrietta M Mrs
77 Conway Jas B @
Bachmann Cath L
78 Fergen Frank
81 Ricciuti Margt Mrs @
Leroy av intersects
Brewster begins
Jewett av intersects
161 Baisch Herman G @
Drum Roy H
167 Keefe Wm R
Peterson Geo A
Hoefner John J
Burnis John
Harvey Jos T
169 Winton Bernard
Harris Robt L
171 Solat Gizella Mrs restr
Phelps begins
179-191 Gross Machinery Co Inc
Rodney av intersects

93

HALLAM ROAD—From 161 Middlesex rd north to Bedford av
24 Reich Melvin A @
30 Lansky Jacob @
35 Rumble Albert H @
38 Kirchhofer Alf H @
39 Smith Henry O jr @
44 Milch Elmer @
47 Vacant
53 Levine Eaml @
55 Strachan Kenneth @
63 Smith Chas A @
69 More Geo Y
87 Ehrenreich Raymond @
90 Greenberger Geo @
95 Teach John H @
98 Glaser John M @
Bedford av intersects

4

HAMBURG—From South north to 533 Swan
18 King Wm L
Sumner Oscar
20 Everett Kenneth
Hennigan Jas P gro
22 Hennigan Wm @
24 Lavalle John @
28 Thomas John J @
30 Carroll Scott
Dewer Harry
32 Lock Louis @
Zielinski Adeline Mrs
rear Regelin Chester E
34 Hennigan Patk J
Jemison Myrtle
43 Eazor Exp Inc
44 Horan Service Sta
50 Anton Jas J
Furlong Jas B
Thompson Russell
Erie RR crosses
Republic ends
73 Gryczynski Walter
74 Rominiski Stanley
75 Beasley John F @
Donovan John
Solarczyk Julia B Mrs @
rear Burke Wm H
76 Shine John W
Stelmach Cath Mrs
79 Bumbar Steph
Guth Cyril @
Marek Pauline Mrs
Schieber Helen Mrs nurse
81 Maloney Mary Mrs @
Patton Matthew
85 Magyar Henry A
Kaminski Thos @
86 Clifford Michl J
Fitzgerald Geo R
87 LaVista Nicholas
90 Kenefick Simon J
Skinner Earl
Barone John
Sinibaldi Richd
92 McCarthy Saml J
Humble John M
94 Thompson Mary V Mrs
O'Rourke Theo
Stocktetter Edw
96 Kelly Edw V @
118 Public School No 34
O'Connell av intersects
125 Mays Arth L
Stone Ernest B gro
126 Zwolinski Bronislaus @ gro
Mays Arth E clo clnr
rear Evans Alex
127 Mays Arth E cabtmkr
128 Sawchuk Martin @
129 Red & White Cleaners (br)
131 Mays Eug L
Podosek Steph J
134 Flynn Wm J
Daboy Mathew @
136 Sahy Thos R
Stone Ernest B
137 Knox Jane Mrs
Knox Richd @
rear Catanzaro Anthony
138 Webster Howard
Fitzgerald John J
139 Noworyta Stanley @
Brill Michl
140 Cleary Edw J
rear Collins John J
Black Jas
141 Morehouse Chas H
Sullivan Jenny
142 Hoolahan Michl J
Gormley Mary C Mrs
143 Schmelz Geo W
Slobuc Max
Angus Kenneth R
144 Hoffstetter Ella M @
145 Hammond Herbert
Leavy Steph J
146 Esis Fred
Tolkacz Edw J
Esis Michl
rear Ristine Warren G
Duewiger Chas
148 Faltisco Edw E
149 McCarty Mabel
Needham Edw W
151 Janis Mary Mrs
Roach Mildred
152 Smith Wm J
Donovan May
153 Chilcott Mary Mrs
Corcoran Thos
O'Leary Emmett
156 Reilly Jos P
Danahy Bridget Mrs
158 Duggan Raymond J
Mackinaw intersects

6

DL&WRR overpass
185 Fleming John
189 Kennedy Wm T
Duncan Mary Mrs
Maloney John
190 Wojtasik Frank @
191 Michel Agnes Mrs
Burley Clyde
192 Morgan Amelia Mrs
Healey Russell
Michaels Victor jr
193 Fitzgerald Anna Mrs
Roller Kath
197 Krzeminski Francis T
Coughlin Jas
Bodkin Leo
198 Jedrysik Jos jr
Jedrysik Wm A
200 Kohm Emil
Jedrysik Stanley
Bagrowski Wm
201 Walsh Mary @
Horrigan Ann
202 Ksiakiewicz Francis
203 Smietana Andrew @
Zemko Anthony
rear Bautz Jas
204 Jedrysik Jos gro
Mazur Walter
Gorkiewicz Stanley
Miami ends
205 Burke Michl @
Kennedy Andrew
207 Kempa Jos @
211 Everett Florence Mrs @
215 Burszkynski Michl
Zielinski Walter
217 Szeremeta Anna Mrs
Tyczka Jos
219 Gross Jack @
220 Hoch Henry J
Amo Irene Mrs
221 Dwyer Frank @
222 Waver Wm trucking
Waver Herbert G trucking
224 Hener Clarence @
Nicholson John J
225 Ryan Bridget Mrs
Janczak Edmund
rear Dray Danl J
226 Warren Edw
227 Booth Wm
228 Ryszka Stanley
Lis Wm
rear Saunders Jos
229 Bowman Geo R
Cummings Timothy J
rear Whitmore Sally
230 Lukomski Henry F
Baron Frank
231 Travis Thos
Pikul Edw
Ziminski Frances @
233 Scott Mary G Mrs
Bolcarzyk John
234 Scheer Eleanor
Brown Edw
Ackerman John
236 Zemko Victor @
South Park av intersects
264 Poole Clarence
265 Franczyk Jos @
Burke John P
266 Frazzini Guido
Coatsworth al ends
267 Ludwig Irving G
Hayes David J
Ward Minerva Mrs
269 Sherry Peter J
Yea Fanny Mrs
270 Bellet Paul
271 Zielinski Frank
273 Wilson Danl P @
274 Irish Anna Mrs
Cummings Wm A
275 Evoy Thos
Sabadasz Steph
279 Bauer Anthony
281 Martin Margt
Fulton intersects
289 Drew Frank gro
Fitzpatrick Wm
291 Rzenznik Walter
293 Levorchak John @
King Mary Mrs beauty shop
King Harry R
294 **Apartments**
1 Maloney Wm J
2 Considine Jas F
3 Lauritsen Peter
4 Guarino Michl
5 Helstrom Jas P
6 DeMarest Amanda Mrs
Street continued
295 Kozlowski Walter
Kozlowski Konstanty
297 Bujnicki Stanley W @
Devine John J
298 **Apartments**
1 Carter John
2 Hughes Mary Mrs
3 Witul Edw R
4 Adey Robt Q
5 Krautsak Michl J
6 Bennett Edw jr
Stannard al ends
303 Kniazuk Alex
Gallery Anna Mrs
Polek Mary Mrs
Plewa John
307 Carter John
312 **Apartments**
1 Chromy John A
2 Leavell Leroy
3 Varecka Helen
4 Nelson Fay
5 Craiglow Jas
6 Doty Levance
Street continued
316 **Apartments**
1 McNerney Edw
2 Lennon Thos E
3 Reszel Ann Mrs
4 Hart Thos
5 Glasser Jos R
6 Bugman Raymond
Perry intersects
330 **Apartments**
1 Scanlon Jos
2 Park Jas
3 Mutignani Wm
4 Stein Nora C Mrs
5 Quinn Thos
6 Pronko Bernard
Street continued
333 McCarthy Thos
334 **Apartments**
1 Eberhardt Helen
2 Watson Jos
3 Locking Edw P
4 Santora Frank
5 Mackin Jas
6 Allen Glenn
Street continued
335 Globe Plaster Co whse
Felk John W
Lehigh Valley RR overpass
Scott intersects
349 Kwetniak Walter J
367 Whitmer-Jackson Co Inc sash doors and millwork
374 Buffalo Sewer Authority (pumping sta)
NYCRR underpass
Railroad begins (not open)

8

Exchange underpass
Carroll intersects (not open)
NYCRR underpass
Seneca intersects
505 Atlantic Commission Co prod
A & P Produce Whse Co
Myrtle av intersects
519 A & P Tea Co (ofc and whse)
Swan intersects

91

HAMILTON — From Niagara River east to 302 Tonawanda
1 Gravel Products Corp (br)
Dana ends
9 Vacant
Niagara intersects
30 Gehm Louis J
32 Eschborn Norma M Mrs @
33 Wojcik John J @
41 Hewson Chas D @
43 Leitner John baker
Leitner John L
Dearborn intersects
59 Hemfling Eliz @
61 Ehlers Chas A @
coal dlr
62 Dold Michl C @
67-69 Clifford Leroy J
Knight Elmer V gro
68 Ulanowski Benj
East intersects
84 Consolidated Eng (whse)
86 Kaiser John L
Daniel Wilburn L
Liles Chester
rear Vanee Max
87 Barton Edw S
89 Kish Edmund
Aberacker Wm
Huber Matthew J
90 Palgutt John jr
Dzygun Wm W @
91 Howard Bert S
Galos John J
Gasper Jos
92 Wargo Susan Mrs @
Kocsis Louis
93 Clabeaux Francis @
95 Gross Christopher @ gro
96 Bernhardt John @
Webb Saml W
Hoffman pl begins
Hoffman al ends
100 Lazarus Cyril B @
101 Hartmann Chas J @
Groh Lester J
105 Steffan Oscar A @
Steffan's Dairy
Fischer Fred H
Becker Geo R
107 Becker Albert J @ coal
Swain Raymond
108 Guzowski Wallace @
110 Kraus Walter K
Baumgarten Fredk @
111 Danglies Theresa Mrs
Zollner Raymond
113 Keprusan Rose Mrs @

HAMILTON—Contd
114 Talarczyk Stanley J
Hahn Chas E
Soock John
115 Verbocy Geo J
116 Battaglia Chas
rear Lynn Wm K
118 No return
119 Wydysh Nicholas @
Thompson intersects
132 Zimmer Harold H
136 Feirich Louis E @
DeLuca Clara J Mrs
142 Landel Jacob @
144 Shermanski Wm W
Gorton intersects
152 McCarthy John L @
158 Blumenthal Mary
Tonawanda intersects

135

HAMILTON BLVD (Kenmore)—From 3086 Delaware av west to Military rd
15 Board Jas W @
16 Rindcen Carl J @
19 Cramer Clifton W @
20 Davidson Edwin E @
21 Gordon Edw D @
23 Mueller Fred J @
24 Down Clinton A
25 Williamson Robt J @
27 Miano Frank R @
28 Care Harry E @
29 Maloney Wm J @
30 John Emil A @
31 Geyer Chas J @
34 John Elden O @
35 Coghlan Thos J @
36 Hanson Walter C
37 Universal Business Service Co
37 Knights John R @
40 Vacant
44 Zenner Kath R Mrs @
46 Allan Norman E @
50 Blaufuss Arth J
53 Praker Ruth @
54 McGinnis Dennis @
56 Schuler Marshall E @
57 Massing Theo E @
58 Woesner Howard A @
59 Lawson John R @
60 Conlin Hannah T Mrs
63 Kopan Edmund @
64 Austin Mabel D @
Cole John
67 Pearce Douglas @
68 Dissington John C @
71 Ziegler Carl E @
73 Theurer Herbert G
77 Putnam Frank L @
78 Siehl Eliz D @
79 Taber Geo D
80 No return
83 Stepanik Jos
84 Shaft Howard E
87 Sweetland Harvey A @
real est
88 Cuthbertson Geo S
89 Curran Raymond W @
90 Barber Henry L @
93 Bush Harry @
94 Snyder & Recktenwalt lamp shades
Recktenwalt Eug P @
97 Abernethy John T @
100 Engelfried Alf R @
101 Meredith Frank D @
102 Wallace Edgar G
109 Wippert Clarence W @
111 Sanders Frank E @
112 Fink W Almon @
115 Battaglia Anthony
116 Kracke Irvin F Rev
118 Hoag Arth R @
119 Briggs Fredk A @
123 Saunders K Clifford
124 Moylan Robt L @
127 Lamy Harold E @
128 Burdick Boyd F @
131 Travis Lewis E @
132 Schoufele Geo J @
135 Thorvaldsen Arnt O @
136 Menzies Andrew T @
139 Beuthel Rolle C @
140 McDonald Mary Mrs @
143 Weinsheimer Wilbert G @
144 Summer Saml @
147 MacDonald Angus @
148 Skinner Clayton H @
151 Derner Albert E @
152 Wilson Randall E @
155 Denney Melvin E @
156 Young Arth P @
159 Jacobs Albert H @
160 Blackman Raymond C @
163 Markman Agnes M Mrs @
164 Allingham Eug @
168 Sambalino Chas H @
172 Edgar Chas J @
180 Thiel Norman K @
184 Ulicki Francis @

141

Elmwood av intersects
229 Reigel I Newton @
230 Wilson Ernest T @
233 Doherty Robt E @
234 Robertson Thos G @
235 Richstatter Jos I @
236 Cain Gerald F @
238 Stebler Albert J @
239 Reid Ernest L @
240 Plummer Peter @
242 Coleman Fredk J @
243 Mulvey Arth L @
247 Niemiec Bart A @ coal dlr
250 Bugelski B Richd @
251 Osborne Carl W @ pntr

LARKIN ST 1950

LANGFIELD DRIVE—Contd
193B△Rohe Frank
195A Czarnecki John M
195B△Coyne Jos R
197A Chiari Sergii G
197B△Krueger Kenneth G
199A△Grunbaum Jack
199B△Safe Chas S
199C△Lucie Raymond H
199D△Broom Geo E
201A Elezko Stanley
201B△Lee Herbert E
203A△Goodwin Ralph D
203B△Hull Burton W
205A Mulligan Wm H
205B△Patterson Frank
207A△Tingler Walter E
207B△Koch Karl K
207C△Daly John M
207D△Seligan Geo L
209A△Keough John
209B△Blair Craig
211A△Palley Abr
211B△Mook Robt L
213A△Conway Burton E
213B△Rosen Maurice
214 Stevanato Edw N
215A△Mahaffey Albert E
215B△Goldsmith Ernest trucking
215C△Muldowney John
217A Whitmer Chas E
217B△Gruber Paul P
217C Daniels Vincent
218 Myers Leo A
219A△Bolognese John
219B△McNeil Thos H
220△Dallmann Ellsworth
221A△O'Mara Jos V
221B Nichols Burdette
222△Gottovi Marie G Mrs
223A△LaRue Danl
223B Ryan Danl V
224△Hauser Chas J
225A△Griffin Howard E
225B△Kinney Wm
225C△Tulwiler Wm E
225D△Gaughan Chas J
226△Guyette Robt
227A△Tripi Angeline
227B△Wyllie Donald R
227C△Hair Norman J
227D△Becker Arth G
228△Wilson Kenneth
229A△Boltz Chas F
229B△Weiss Harry M
230△Naylon Inez
231A△Otis Clifford A
231B△Safe Chas A
232△Hayes Albert F
233A△Kaufman Henry
233B△Schultz Harold F
235A Miller Jacob C
235C△Carotinuto Jos F
△Crout Wm L
237A△Jones Phillip
237B Scott Richd C
237C Kubacki Jos S jr
238△Fulton John D
239A Barnes Dorothy Mrs
239B△Fryling Ferdinand
240△Beckley Wm J
241A△Goldsmith Edwin H
241B△Smith Paul F
242△Graeber Henry E
243A△Granger Chas
243B△Syposs Andrew W
244△Dahlke Reinhold C
245A△Miller Herbert C
245B△Donnelly Thos
245C Stoner Rudolph S
245D△Miller Carl J
246△Crane Franklin N
247A△Barricks Jas P
247B△Roos Eug J
248△Gregorio Michl
249△Crowley Leo E
249B△Silverman Bessie
250△Rassel Earl
251A△Besant Danl
251B△Rotundo Benny
252△Muniza Vincent
253A△Candee Cornelius F
253B△Darrow Mary M Mrs
253C△Delaney Jas E
253D△Denne Jacob H
254 Moreno Danl
255A△Russell John A
255B△Wood Kenneth B
256△Gilbert Geo J
257A△Simmons Garrison D
257B△Daigler Norbert
258△Brown Edw F
259A△Carr Edw N
259B△Hendershot Arbutus J
260△Hubert Albert
261A△Williams Evelyn G Mrs
261B△Bates Chas O
263A△Posch Wm P
263B△Hickey Fredk J
265A△Israeli Saml Rev
265B△Usedom Henry
266△Murphy John J
267A△Brown Robt E
267B△Mussen Chas A
267C△Crumlish Chas E
267D△LaVigne John F
268△Nixon Sally P Mrs
269A Crawford Matthew J
269B△Boyd Jas G
270 Biersbach Raymond F
271A△Koenig Herbert R
271B△Noble Geo
272△Colucci Angelo R
273A Headley Edmund M
273B△Lockwood Geo V
274 Morlock Loretta M Mrs ◎
275A△Skrzypczak Henry S
275B△Collins Wm P
275C△Blank Louis J
276△Henry Ruby
277A△Norberg Stanley M
277B△Mortellaro Jas P
277C△Jepson Geo H
278△Kleckner Ellwood
279A△Goodlander Theo
279B△Szymanski Henry V
280 Goodemote Vernon E
281A Perry Geo S
281B△Miller Russell A
283A△Gruber Frank C
283B△Walgate Walter A
284△Standard Irving
285A△Richmond John Y
285B Johnson Nellis A
285C△Steinberg Marvin
285D△Singleton Harry C
287A Jordan Geo
287B No return
289A△Young Henry L
289B Millar Geo A
291A△Fenzl Robt C
291B△Sosnowski Stanley B
Sun begins
301A△Ferguson Theo S
301B△Studer Louise R Mrs
303A Kunze Leonard
303B Leahy Marguerite
305A△Connolly Eug P
305B△Riley Connor D
307A△McGroder Mary Mrs
307B△Battaglia Chas R
307C△Brownell Donald
307D△Rawls Frank E
308△Baldwin Furman
309A△Gaiser Jas J
309B△Schwartz Jos L
311A△Frank Gordon E
311B△Glinski John G
312△Stein Harry E jr
313A△Flynn Wm E
313B△Jurgens Frank H
314A Jarvis Jos P
315A△Meiss John F
315B Bishop Richd P
315C△Kerpka Albert W
315D△Putnam Raymond L
316△Noody Earl
317A△Griffin John D
317B No return
318△Sexton John
319A△Loncto John J
319B△Whitaker Jas
320 No return
321A△Freiert Harold A
321B△Niesen Neal
322△Fraas Wm jr
323A△Glashauser Robt H
323B△Kirch Jas K
323C△Robinson Oakley A
324△Malkiewicz Marian
325A△Shatzel Norman W
325B△Geary Robt I
325C△Konstanty Walter J
326△Manunta Peter
327A Shanahan Raymond G
327B△Meyers Geo H
327C Enser Wilford G
327D△Claxton Ralph E
329A△Donnelly Jos S
329B△Allen Dewey
331A△Bradford Benj A
331B△White Constance Mrs
333A△Dalkey Alvin A
333B△Sklener Wm J
334△Straining Raymond D
335A△Benzee Jos M
335B△Murauski Edmund S
335C△Guziolek Casimer J
336△Devlin Jas E
337A△Albright Adelbert
337B△Hauer Edwin P
337C△Becker Wm A
338△Newman David
339A△Beechey Wm E
339B△Wheeler Wm A
340△Maskal Michl
341A△Crew Thelma B Mrs
341B△Staskiewicz Leo J
342△Dustan Fred
343A△Maher Raymond A
343B△Gerlach Wm M
344△Malloy Jos R
345A Wilson Chas R
345B△Cattoni Leo P
345C△Greene Leon N
345D Karnath Jos W
346△Legg Dorothy T Mrs
347A△Bruce Arch
347B△Steller Alf
348△Buonamici Tito
349A LaRue Eug R
349B△Krueger Paul
350△Wolf Albert
351A△Wolf Heinz A
351B△Schaefer Geo F
352△Rouse Jesse A
353A Pellegrino Julio
353B△Markham Nellie L
354 Kelly Jas J
355A△Long Geo H
355B Strait Russell D
356△Mudd J Arth
357A△Nichols S Bernard
357B△McNamara Jos P
357D No return
358 Boyer Earl J
359A△Kinal Walter M
359B△Chapman Geo N
359C△Reilly Eug N
359D△Schmitt Jos G
360 Ohlenschlager Winifred H Mrs
361A Posch Adolph A
361B△Haas Robt D
362△Bremer Danl W
363A△Hoffman Paul W
363B△Florian Robt J
364△Decarolis Paul V
365A△Fish Edwin
365B△Brownell Richd
366△Shettler Chester P
367A△Bagley Arth E
367B△Howard Raymond C
367C△Gaulacher Harry G
367D△McCartney John M
368△Averill Frank P
369A△Hughes Eug F
369B△Hewitt Robt F
369C△McKay Milton D ambulance service
369D△Creeley Vern M
Edison av intersects
384△Ames Chas D
386△Cole Alf L
388△Oates Andrew J
390△Johnston Albert G
392△Meyer Aug E
394△Swanson H Sidney
Collins Walk begins
408△Gross Robt A
410△Cugini Michl
412△Hautala Ernest J
414△Skelly Frances J
416△Guzzy Stanley E
418△Long Richd J
Congressional Walk begins
432△Shephard Wm N
434△Beiter Kenneth
436 Lynch Paul
438△Maze Ronald A
440△Alt Sol S
Beiter Walk begins
456△Young Richd
458△Valentine Donald J
460△Karcher Donald G
462△Roth Esther Mrs
464△Hartmeyer John
466△Buch Jos
△Devlin Edw W
Eggert rd intersects

180
LANGMEYER AV — From Olympic av east to 2564 Bailey av
2△Green Chas G ◎
4△Boersma Geo J ◎
6△Paul Fredk B ◎
7△Tota Michl gro
10 Habitzruther Eug ◎
Miller Frank J
11△Durshordwe Michl
Pfeil Lena ◎
12△Daigler Emery E ◎
15△Shapiro Nathan
Sagstetter Veronica Mrs ◎
16△Matthews Ethel C Mrs ◎
19△Hicks Robt F
△Zaremba Rose Mrs
20△Lasker Eliz M Mrs ◎
△Lasker Jas J
Roy Henry
21△Schiess Anthony L
22△Fleck Frank ◎
△Doll John P
23△Kelchlin Elmer H ◎
Kelchlin John J
24△Schwach Edw ◎
△Schleicher Alvin W
25△Butz Chas F ◎
26 Montemaggi Anna Mrs ◎
△Owen Thos R
27△Grau Paul E ◎
28△Deinhart John G ◎
29△Wimme Arth B
△Horvatits Gabriel
33△Fischer Anna B Mrs ◎
34△Hoerner Wallace F ◎
35△Stapleton Eliz Mrs ◎
Christoffell Alf
36△List Arth F ◎
37△Dobler Rose M Mrs ◎
38△Smith Jas R ◎
40△Ward Dominic J ◎
△Glowczynski Raymond
43△Styn Raymond F
△Styn Alex P ◎
45△Schuteker Edgar A ◎
Schuteker Ernest
46△Shields Eileen Mrs ◎
△Koski Wilfred
47△Wright Chas G ◎
50△Deth Albert C ◎
51 Stubbe Emily C ◎
△Pearce Jos A
52 Schmitt Jos M ◎
Nedham Richd W
53 Koepf Edw A
△Brker Edw
54△Campbell Loretta E Mrs
△Terry Victor
57△Garrold Russell H ◎
△Laufs Eric E
58△McCadden Mary E Mrs ◎
59△Rybatzeski Edw F ◎
Sitarz Anthony
60△Heisler Jos F ◎
△LaGler John A
61△Schultz Leon
△Pitz Wm ◎
62△Wagner Jos C ◎
64△Simon Edw M ◎
Boyle Ethel Mrs
65△Pinto Nicholas ◎
67△Shanaman Walter E
68△Schalck Louis ◎
Kimmith Norman L
69△Wheeler Floyd D ◎
△Wheeler Wm J
73 Contact Frank J ◎
Fournier Armand R
74△Meissner John R ◎
△Bona Dominic C
75 Gravius Minnie Mrs ◎
76△Schubauer Chas J ◎
△VanAnkum Christ
80△Olsen Henry ◎
81△Gomlak Henry F ◎
Bailey av intersects

82
LANNETTE — From Central av, east to 1400 Bailey av (Not open at Bailey av)
Bailey av intersects

100
LANSDALE PLACE — From 451 Koons av east beyond Rustic pl
11△Ronald Bernard C ◎
13△Fritz Leonard ◎
△Federowicz Edwin
Rustic pl begins
19△Stachowiak Fred E ◎
△Murawski Geo
23△Banks Richd J ◎
Rorarius Harry E
25△Grace Albert T ◎
Keene Victoria M Mrs
rear△Vogt Walter J jr
27 Dubiel John J
△Szeluga Anthony ◎
29△Pitzonka Paul ◎
Mumm Geo
35 Thomas Wm H
△Schnobrich Frank H
39△Ringle Louis
41△Finsterwald Henry J ◎
43△Myers Albert S ◎
45 Beth Jacob Cemetery

91
LANSING — From Joslyn pl east to 200 Military rd
2-36 Texaco Petroleum Products Co (plant)
△Texas Co (bulk sta)
11△Greene Donald F
Klemowski Zygmunt
15△Nemes Chas
Homa Simon
17 Klemowski Danl ◎
19 Molnar Jos
21 Paluso Frank
Toth Steph
Military rd intersects

50
LARABEE — From Hopkins east ½ block, 2 south of Marilla
12△Andol John S ◎
16△Koch Adolph F ◎

123
LARCHMONT ROAD — From 35 University av, north to Kenmore av
9△Danner Edwin J ◎
11△Deck Gregory F ◎
15△Priebe John W ◎
21△McGroder Patk ◎
22△Belden Russell D ◎
25△Murphy Bert J ◎
26△Keating Jas M ◎
27△Tenjost Wm P ◎
30△Hornberger Arth J ◎
35△Bentley John S ◎
36△Brandt Wm F ◎
Radcliffe rd begins
39△Blight E Bertram ◎
43△Mache Chas L ◎
45△Mayer Edw ◎
49△Lenzner Alf
53△Roth John ◎
57△Bray Eliz ◎
Lahey Julia Mrs
61△Becker Edwin E ◎
65△Dowd Arth W ◎
69△Klein John A ◎
73△Lyon Wm K ◎
Bellevue av intersects
81 Gaudillot Florence Mrs ◎
82△Klendshoj Niels C ◎
87△Wambach Louis ◎
90△Diem Gerald B ◎
91△Farrell Frank D ◎
93△Grimm Carl C ◎
94△Henes Janet C Mrs
98△Leiser Emma L Mrs ◎
99△Soanes E Ward ◎
102△Pankow Frank L ◎
103△Kirch Chas E ◎
104△Austin Edw F ◎
bldg contr
108△Gabriel Edw A ◎
109△Daum Earle B ◎
112△Dunkle Russell S ◎
115△Jacobs Pauline Mrs ◎
116△Elsheimer Fredk C ◎
117△Sullivan Thos S
Kenmore av intersects

120
LARK — From 28 Sidney north to Northland av
14 DiPalo Ralph ◎
△Lorefice Vincent J
15△Davis Frank C
Davis Donald H
16△Fetto Anthony
17△DiFrank Jos ◎
△Saeva Anthony
19 Rovillo Maurio ◎
Rovillo Danl
20△Giolando Serafin plstr
21△Marasco Angelo F
Rovillo Chas M ◎
22△Lawandus Jos E
25△Posterman Rebecca Mrs ◎
△Wilmreab Harry
29△Milazzo John S ◎
30△Mazzeo Anthony M
△Fiorentino Gaetano
31△D'Antino Dominic ◎
△D'Antino Angelo
32△Vathy Louis
D'Agostno Dominic
35△Porreca Jos ◎
△Porreca Anthony F
36 Bixon Wm R
△DeMarzio Eliz Mrs ◎
37△Resnik Sidney S
△Flisinger Mary Mrs
rear△Wolf Saml
△Wolf Aaron greeting cards
38 Aschieri Irene Mrs ◎
38△Aschieri Jos

LARK—Contd
40△DeMarzio Pamfilo ◎
△Maraschiello Jos A
41 Bacon John O ◎
△Larrin Gladys Mrs
43△Houser I Wm
△Achenbach Gustav
44△Grasso Geo C coal
Davis Donald ◎
47△Gilday John A
△Boyle Thos J
48 Saviola Peter ◎
△Albino Nicholos M
51△Logan Chas
△Gaudszun Carl
52△Calkins Laverne A
△Timblin Richd L
53 Yuhaus Wilber F ◎
△Kapp Axel
55△Swartz Wm ◎
Rowe Lulu M
56△Kushner Azreal ◎
△Yallof Jack
58△Christel Robt F
Rzepka Florian
△DePirro Harold
△Rzepka Stanley
62△Tomaselli Jos J
△Limburg C Geo
rear Murray Anne
74△Iadarola Vincent J ◎
75△Cuminsy John H
76△LaVorgna Alf G
77△Schrader Wm C ◎
78△Sibilio Jos ◎
79△Lipinski John S
△Murak Stanley F
80 Everett John P
△Meyer Cyril
81△Davis Esther Mrs
△Bettis Marguerite Mrs
82△Hoffarth Rudolph
83 Rzepka Mary Mrs
Rzepka Gladys Mrs
84 Giafaglione Frank
△Sibilio Jos jr
85△Wisniewski Anne Mrs ◎
△Stockman Amby H
Northland av intersects

40
LARKIN — From ½ block south of Roseville north to Seneca, 1 west of VanRensselaer
189 Misiak Madaline ◎
197△Panek Mary Mrs ◎
205 No return
207△Szezesek Cath Mrs ◎
Klima Antohny S
209 Gawlik Steph P
Pikul John
211△Pikul Jos ◎
△Morehouse Elmer J
215△Ziolo Stanley L restr
Horymski Anthony
Roseville begins
241△Lincoln Truck Rental Inc
Erie RR crosses
Exchange intersects
290-302△Howard Bros Chemical Co medicines
△Wilson Warehouse Co
293△Great Lakes Paper Stock Inc
312△Blatz Brewing Co Inc
313△Draper Roy E eggs
Seneca intersects

200
LA SALLE AV — From 3025 Main, east to Eggert rd
15△Gartler Chas J ◎
21△Metz H S Coal Co Inc
25△Menig Jos F
29△Cowan Ruth Mrs
Simons Allison K
33△Simons Walter B
36△Winer Herbert P
△Gaines Floyd F ◎
37△Steeb John
△Moebs Gustave
38 Wyse Albert J
Hertel Robt
40△Fortman Arth C ◎
45△Butler John W
O'Connor Richd
48 Lincoln Milton H
Shaw Thos G ◎
49△North Main Lumber Corp
59△Gregg Lumber Co
78△Wenke Rudolph P ◎
80△Schenk Carl G ◎
89△Moore Chas P heating contr
△Waldheim Ornamental Iron Works
98△Hausler Frank J ◎
△Hausler Gerald W
100 Kramer Chas G ◎
△Poorten Wm N
101△Weber Otto ◎ lumber
106△Gustafson Hjalmar ◎
110△Warning Fredk C ◎
△Baldwin Emory K
115△LaSalle Auto & Battery Service auto reprs
Cordova av begins
127△Kohn Anna Mrs ◎
131△Hanna Mildred Mrs
△Strasser Anna Mrs ◎
135△Coon Edw G ◎
137△Dick Eliz A Mrs ◎
△Schneider Fred
140△Kruger Niels
141△Rosengren P C Kenneth
142△Kelker John P ◎
148△McMahon Jas
152△Schwarz Chas C ◎
153 Wendall Fred
Bennett Marie C

SENECA ST 1950

SENECA—Contd
374 ΔPolverari Thos E ◎
Sally Minnie Mrs
Thomas Willie J
Stephens Acie
ΔMorgan Chas C
378 Patsenka Jos
380 ΔBrandt John C restr
S Cedar begins
400-02 Welcome Hall Playground
404 ΔWelcome Hall Community House
Peace John G
405 ΔPennsylvania RR Co (real est dept)
ΔPennsylvania RR Co (frt div)
ΔPennsylvania RR Co (operating dept)
ΔPennsylvania RR Co (traffic dept)
412 Gordon Chas J
414 Urbino Augustine
DeFilippi Josephine Mrs
418 Smith Marvin
ΔParker Willis C
422 Reese Wm
rear ΔBroncata Anthony
424 ΔLanza Jos C barber
Rivera Jacob
ΔBessick Saml
426 William Lorenza H
Valente Alex
430 ΔBrunetta Peter ◎
432 Tortora Anthony
434 **Apartments**
1 Elston Thos
2 Martin Margt
3 Vacant
4 Deas Fernandes A
5 Harris Eliz
6 ΔHeard Eliz
7 David Thos
8 Harp Garfield
9 Cnudele Lugi
Street continued
438 Mastroicovo Michl
Sims Cornelius B
440 ΔBeck Robt W auto repr
448 ΔSmith O Roy auto repr
452 Slaughter Mell
White John C
454 ΔMarconi Restaurant
462 ΔCremino Pasquale
Pesce Vincent
Kolacki Anthony
464 King Saml
Damon Norman
466 Viola Jos J
ΔViola Jos J restr
470 ΔHex Mfg Co novelties
474 Santoro Jos A barber
ΔLillard Thos
476 Lillard Moses
477 Pennsylvania RR Co (yd ofc)
478 ΔBravos Aristides restr
480 ΔPepe Mary L ◎
Alabama ends
487-93 ΔIntl Harvester Co
490 Sperrazza Angelo fill sta
Spring begins
499-505 ΔStandard Milling Co (plant)
514 ΔBurt F N Co Inc box mfrs
515-41 ΔKeystone Whse Co The (storage)
Keystone Whse Co (whse)
541 ΔWholesale Mart Inc
ΔH & N Bakers Supplies
543 ΔAndrew Paper Co
Hamburg intersects
551 Vacant store
583 ΔChapman Transmission Corp
Jefferson av intersects (not open)
NYCRR underpass
40
621 ΔKenland Inc (power hse)
663 ΔGerry Provision Co
Larkin ends
696 ΔMaciaszek Jos restr
698 ΔEngine Co No 32
700 ΔHook and Ladder Co No 5
701 ΔSeneca Whse Industrial Center Inc
ΔMeyers Jas O & Sons chemicals
Garry Laboratories Inc
ΔButts G E Co Inc food brokers
ΔAstmann Herbert K food broker
Rapid Handling Equip Co of Bflo Inc
ΔSmith Jas eng
ΔRosenberg H Z & Co machy dlrs
ΔAppliance Installation Service Corp
ΔOswald Fuel Co
ΔMyers Jas D & Sons whol pharm
ΔHerald Plastics Inc
ΔSaman Jules Laboratories
Corer Sales & Distributors whol china
ΔBryant-Seelbach Inc
ΔDavis Bulletin Co
ΔCCM Inc (br) importers
ΔWheeler John A mfrs agt
ΔCollege Knitting Mills Inc
ΔFoodland Super Markets Inc
ΔSwan Creations Inc plastic
ΔFine Arts Studio Inc novelties mfrs
ΔB A W Construction Co Inc
706-08 ΔVoght Home & Auto Supplies Inc
VanRensselear ends
709 ΔBison Machy & Tool Supply Co
721 ΔMcDonald Products Corp smokers articles
ΔBflo Whol Farm Supply
725 ΔGlose Henry fill sta
Swan ends
Emslie begins
738 ΔMarine Trust Co (Seneca br)
ΔRyerse Oscar G dentist
Gladys Bronislaus J phys
ΔGood Stuart A phys
741 ΔDeco Restrs Inc (br)
742 ΔThomas Restaurant & Soda Bar
Glowacki Stanley J
744 Thomas Thos confr
White John
745 ΔHorse Head Inn
ΔNiesyty Jos ◎
746 ΔPassmore & Gill bakers
748 ΔO'Connell Richd R liquor
ΔWhite Patk
Urgno Norman
755 ΔBurstein Max W dentist
Bridgeway Elmer
Irvine John
ΔCollins Frank
ΔBurstein Jacob phys
ΔKeller's Pharmacy
756 ΔDog House restr
ΔKowalski Walter
757 ΔHarding Wm B fur repr
Janiszeski Edmund J
759 ΔFohl Chas F meats
760-64 ΔWinkler Frank X Sons gros
ΔWinkler Frank X
763 LoGrasso Jos barber
Malicki Edw
766 ΔLynch Chas V Agcy ins
ΔAll-Weather Roofing Co Inc (br)
Ramey Kath Mrs
767 Andolina Thos J shoe repr
Melnyk Alice Mrs
768 ΔFranks E A & Son hdw
Biersbach Andrew F
Fischer Anthony
770 ΔDudzick Jos restr
ΔDuFrane Harold W
Jewula Bernard S
771 ΔBflo Mattress Co Inc
Szlis Paul B
773 Winkowski Felix
774 ΔLittle Seneca Theatre
775 ΔGoodrich B F Co (br) shoe products
780 ΔMiller Bernard G confr
rear Lisk John
781 ΔBflo PO Station D
ΔGall Harry E
Hydraulic ends
782 ΔWhite Ray H ◎
784-90 Ziff Furn & Appliance Inc
792 ΔTerry T L Inc jwlrs
794 Vacant store
ΔHerold Frank ◎
797-807 ΔDollar Dry Clng Co Inc
798 Dengos Walter jwlr repr
Dengos Frank W
800 ΔPittman Walter F
rear ΔBuxton Walter R
802 ΔNoon Estelle L
ΔSlawinski Alex ◎ radio repr
811 ΔKraft Dora E Mrs ◎
813-15 Dollar Dry Clng Co Inc (whse)
817 Scheer Chas
Bianka Josephine Mrs confr
819 ΔTrawinski Valentine M ◎
rear ΔClock Wm
Maciejewski Jos
823 Considine Leo E
Griffin ends
Lord begins
829 ΔGladkowski Frank ◎ restr
831 Monica Kath
Glowacki Anthony
832 ΔHambleton Fleet Wing fill sta
833 ΔBialy Lawrence ◎
ΔBialy Beauty Shop
837 Niesyty Peter ◎
ΔKucan Michl
839 ΔSzufiita Steph
ΔChowaniec Walter ◎ delicatessen
840 ΔZakrzewski Frank J restr
Kosowski Jos E
843 Raczka John jr shoe repr
Yallowich Abr ◎
848 ΔJalowka Walter ◎ tobacco whol
849 Battaglia Jos barber
Cross John R
Prosleak Anna
rear ΔSmith Wilbert
851 Glowacki Mary Mrs
Szufiita Walter ◎
852 ΔDowney Martin J phys
ΔSmutek Magdalene Mrs ◎
Boyle Norman
853 Strzepa Peter ◎ barber
Adamuck Martha Mrs
Oleski Julius
rear Roll Sylvester L
857 Przepasniak Caroline
ΔBorodzik Louis L
rear Stoklosa Cath
860 ΔContractors Ornamental Steel Co Inc
863 Szumeil Julia Mrs
ΔBorodzik Jos restr
864 Deubel Bernard
ΔWolff Chas J
Middaugh Geo
Herriott Louis
865 ΔBiniolas Manuel confr
Borkowski Mary Mrs
866 ΔKazmierczak Louis T ◎ real est and steamship agt
867 ΔJasinski Anthony V clo clnr
Zientek Matthew
870 Woloszyn Adam
871 Belasik Adam ◎
Nichaler Saml billiards
872 ΔNowak Agnes Mrs gro
Banas Henry W
rear ΔNowak Alf
874 ΔGertz Frank ◎
875 ΔSerafin Anthony ◎ restr
876-78 ΔMills & Son elec equip
877-87 ΔLiquid Carbonic Corp soda fountain supplies
886 ΔSchultz's Liquor Store
Marlow Cath Mrs
Suwalski Walter
888 Kowalski Boleslaus
Nikiel Stanley J
889 Sadowski Helen A Mrs
Gasinski Stephania Mrs
ΔBuczynski Aug
Laski Bernard F
891 ΔJoe's Radio Store
891½ Keska Mary Mrs confr
892 Chmurzynski John shoe repr
892½ Guarino Anthony J barber
894 ΔSienkiewicz Jos S restr
ΔMach Vincent ◎
Fillmore av begins
Smith intersects
903 ΔSolomon John J jr variety store
ΔSolomon John J
906 ΔRalph & Don's restr
Conners Allen
910 Olszowka Michl ◎
Piechnik Stanley
912 Dudek Andrew B ◎
914 Euscher Luella
rear Smith John W
916 ΔGacek Steph ◎
rear Mairs Edw W
918 ΔGacek Helen Mrs beauty shop
Erie RR underpass
935 Gutek Mary Mrs
937 Vacant
940 ΔBflo Hardwood Lumber Co
980 ΔBittner H A Co coal
NYCRR underpass
1035 ΔPierce Grain Corp whol feed dlrs
ΔTransfer Elevator Corp
1043 ΔSchurr Carrie Mrs
1055 ΔAtlantic Lumber Co The whol lbr
1073 ΔStott Robt A ◎
1077 ΔQuinn Patk J ◎
1079 ΔKiebzak Bros auto reprs
Peabody ends
1087 Gorkiewicz Chas ◎
1089 Tober Rudolph W ◎
ΔTober Clarence R
1095 Dobrzenski Jos F delicatessen
Intrabartolo Frank ◎
ΔQuinn Thos J liquor
1097 Moretta Louis shoe repr
1100 ΔNational Lumber Co
1101 Hartmetz Richd
rear Kinsella Anna L Mrs ◎
Walter ends
1115 ΔLedzian Simon J
ΔKaczmarczyk Mary Mrs ◎ restr
1117 ΔRomey Walter R ◎ restr
1119 ΔSmith Jas
ΔDonohue Michl J ◎ confr
1121 Keough Thos A
Hauser Margt D Mrs
Rohauer Alston F
1123 Radomski Leopold ◎ gro
Galus Stanley
rear Klenke Ellis
1132 ΔWestinghouse Elec Corp (service dept)
1133 Sperry Nicholas restr
Maurice ends
1139 ΔWidmann Chas L
Fortin Arth
ΔStrasser Herbert delicatessen
1143 ΔMurphy Viola Mrs ◎ beauty shop
White Thos A
1145 ΔLotz Alice M Mrs ◎
ΔBig Little Store variety
Norm's Radio Service
1146 ΔRobinson Clay Prod Co
1148 ΔGulf Oil Corp fill sta
1149 No return
1151 ΔKorzeniowski Victoria K ◎
ΔBartel's Market
Wolkiewicz Henry
1155 Wackowsky John J ◎
Wachowsky Stephania K Mrs restr
1159 Keach Harvey J
ΔDecker Frank J
Orlando ends
1167 Carney Cornelius J
ΔPenquet John ◎ delicatessen
1168 ΔBflo Bar Supply restr supplies
Goodwin Lawrence J
ΔHaight Lucy M Mrs
Moore Haywood W
Wasson begins
1173 ΔDoyle Jos C ◎
1175 ΔArndt Albert L ◎
1177 ΔMurray Jas E
Stewart Emma Mrs ◎
1181 ΔRoyal Cash Market meats
Byers John I
1182 StMatthew's Protestant Episcopal Church
1183 A & P Food Stores (br)
ΔMore Wm
1186 ΔWalker Louis ◎
1190 Oakdale Theatre motion pictures
1191 ΔPolice Precinct Sta No 9
1192 ΔBabcock Grill
ΔBilski Frank ◎
Babcock intersects
1199 ΔMichael's Food Market
ΔMichael Fred W ◎
Furlong Francis
ΔSmith Geo
1200 ΔBoughton's Grill & Bowling Alley
1201 Trimarchi Carl T barber
1202 ΔBoughton Seymour K ◎
1204 ΔPieczynski Harry
ΔQuality Home Bakery
Kinney Harold T
1205 ΔVallas Ice Cream Parlor
1206 Partington Geo W
Tychinski John J
1207 ΔWilson Walter H shoe repr
Chiropractor
Bugin Saml S clo clnr
Sutton Ruth Mrs
1208 ΔKline Jos W delicatessen
ΔMcGreevy Emma Mrs
ΔRickard Thos A
1209 ΔDengos Andrew F
ΔCarroll John
1211 ΔWallace Flora M Mrs
Bardo Harold C
1212 Oefner Mary Mrs
ΔSherman Jos ◎ phys
1214 ΔBridgewood Daisy M Mrs ◎
Bridgewood Ernest L
1215 ΔMakohon Xenia Mrs ◎
1218 Seneca St Meth Church
1219 ΔNelles Geo O
Erickson Elmer E
1221 ΔDrews Anthony F drugs
Wohlhueter Howard E ◎
Olson John A
ΔWaligur Steven A
Imson intersects
1231 ΔBrock Tractor Co Inc
1232 ΔPilato Jos O gro
1234 ΔRe-Nu It Cleaners
ΔPilato Jos O
1234-38 **Gray Bldg** (For occupants in apts see 91 Imson)
1236 ΔGinter Edw C
Keenan Ellis W
Kerr Russell
ΔBabcock Jwlry & Appliance
1238 Holland Agnes Mrs
Dugan Michl
1239 ΔMurphy Anna N Mrs ◎
Duffin Howard C
1240 Cannisi Peter shoe repr
1241 ΔMcCullough Sarah M Mrs delicatessen
1244 ΔSeneca Esso Service Sta
Oakdale pl ends
Troupe begins
1259 Howell John D
ΔLaney Wm A
1261 Morrissey Jas
Repman Chas H
1263 ΔDecker Chas F
Griffin John
1265 ΔWhite Leonard
1266 Auto Trailer Rental Co
1267 ΔLuka Amel D ◎
ΔStack Thos J
1270 ΔShultz Herman B
1271 Bykowicz Chester
ΔDrogoszewski Constantine ◎
1272 ΔMorlock Harold F
ΔMaynard John
1276 Pinto Frank
ΔEigenbrod Elmer N
1278 ΔWaver Julia M Mrs ◎
Olsen Jas
1282 ΔDenne Wm F
ΔSmithendorf John ◎
1284 ΔHeath Liquor Store
White Chas W
rear ΔKnapp Wilbur E
Milton intersects
1293 ΔSwift Lena Mrs
Cook Robt H
1294-96 Rice Edw A
Andrews Robt
ΔMcGinley Julia A Mrs
ΔTaggart-Schutz Pontiac Inc autos
1295 ΔFurlong Gertrude E
ΔBeyer Chas F
1297 Mutton Fredk C ◎
1298 Bernstein Abr ◎
Nigro Nicholas barber
SENECA—Contd
1299 ΔKrathaus Albert A
ΔTalty Frank P & Son plmbrs
ΔTalty Jas J ◎
rear ΔMiller Lapeer B
1300 ΔBless Frank delicatessen
Pascall Arth
rear ΔKlemp John F
1301 Mathis Louis E
Kurek Jos ◎
1302 Kalinowski Helen C Mrs
VanScoter Ellen M Mrs
ΔDownes Patk F restr
Wertman Edwin H
1303 Boffey Fredk
Glass Geo A
1305 Pohlmann Albert
ΔWalsh David
Lipsius Hazel
Mochol Henry
rear Boffey Fred
1308 ΔCalabrese Nettie R Mrs ◎
ΔGurbacki Anne Mrs
1212 ΔMlodozeniec Thos ◎
1315 ΔLuther Otto restr
Harrison intersects
1323 ΔSobecks Casimer restr
1324 ΔMueller Geo C
ΔMueller Frank gro
Kappan Clarence
1325 LaVett Seymour ◎
ΔDePotty Earl L
1326-30 ΔRich's Dairy
ΔRich John J ◎
1327 ΔDePotty E Lorne
ΔGieb Anna Mrs ◎
1329 ΔDoyle Thos M ◎
Monaghan Peter C
1331 Kruse Edwin A
ΔLaGoda Kasimer ◎
1333 Domagala Stanley B ◎
ΔBruno John R
1334 ΔMiller Melvin A
ΔRyan Jos
1335 ΔRypinski Stanley
1345 ΔBTB Auto Service auto repr
Miller John auto repr
Lester begins
1359 ΔGellerson Philip A
ΔVaughn Smith
ΔMcCaskey Frank restr
Schneider Roy
Harland Wm
Dole ends
Hays pl begins
46
LVRR overpass
1393 ΔWestern Auto Sales & Parts
1400 ΔLenahan Frank & Sons Inc junk
ΔIndependent Paste & Glue Co
1409-17 Brady B Lumber Corp ◎ bldrs supplies
1425 ΔCuyahoga Wrecking Co Inc bldg wreckers
1427-37 ΔBumpus Frank L jr Inc auto sales
1438 ΔYates-Lehigh Coal Co (yds)
ΔFranchie Carl J
Keating ends
1445 ΔAngert Auto Parts Co Inc
1448 ΔHeim Ornamental Iron Works
ΔHerby's Frontier Service Station
Bailey av intersects
1467 ΔErb Geo Co Builders Supplies
1471 Orlando Esso Station
DL&WRR overpass
1500 Vacant
1501 ΔSeneca Welding Co
1502 ΔJohn's Collision Service
1503 ΔBilly's Lunch restr
1504 ΔChmielowski Rose E Mrs
ΔGeary Francis M
1506 ΔSordyl's Restaurant
ΔEisensmith Arth N
1507 ΔTydol Service Station
Bailey av intersects
1513 ΔRock Oil Corp (br) fill sta
1514 ΔSwiezeinski Bronslaw restr
1518 ΔKeine Raymond C
ΔKeine Geraldine E Mrs gro
ΔKerns John W
1523 ΔHehir Matthew J ◎
ΔHehir Margt nurse
1525-27 ΔEddie's and Wally's Grill restr
Keppel ends
1529 ΔPalmer Albert W ◎ phys
ΔKane Michl
1533 ΔBowen Jas F ◎
ΔSeifert Robt M ◎
1535 ΔKisicki Frank W ◎
ΔSeifert Clarence E ◎
1537 Claire Emory C
ΔDeubell Frank
ΔDeubell Rose ◎ restr
rear ΔPfeil Russell C
1540 ΔHambleton Terminal Corp (br) fill sta
1554 ΔStresing Warren J
Erickson Elmer
Schwartzmeyer Gerald
ΔLee's Vacuum Cleaner Exchange
1561 Miller Wm T
1563 ΔSimpson Kenneth G ◎
ΔTietz Wm ◎
1565 Cliff Walter ◎
ΔDonohue Jas J

LAURENCE D. BALL

EXCHANGE ST 1946

EXCHANGE—Contd
82-84 McFarren Robt M (whse)
86-88△Root Press The printers
Wells begins
130△Arlington Restr
△Arlington Hotel
136△Trapani Dominic railroad contr
142△Boorowsky Hardy H restr
152△Pallatto Nicholas tobacco
154-60△Montgomery Danl Hotel
Harrison Herman
162 Vacant
176-78△Central City Hotel
Michigan av intersects
8
Chicago overpass
Louisiana overpass
Alabama intersects (ss not open)
NYCSystem crosses
Hamburg overpass
565-67△Craver-Dickinson Seed Co whol
568△Guzdek Bobbeanna Mrs (0)
578-86△Oppenheimer Alan D Inc waste
Jefferson av begins (not open)
40
NYCRR crosses
600△Lyons Transportation Co Inc
Niagara Motor Express Inc
650 Iroquois Door Co (garage)
659△Iroquois Door Co sash and doors
Larkin intersects
~~rear△Wyland Ry Co Buffalo~~ Terminal Division
△International Forwarding Co
VanRensselaer overpass
716 Vacant
786△Liberty Motor Freight Lines Inc
Hydraulic intersects (ss not open)
(Not open between one blk east of Hydraulic and Smith)
Smith intersects
927 Vacant store
Strauss Helen A
Casey Clyde
Durkin Thos
929 Dziedzic Andrew A (0)
931 Cielesz Mary
Rapa Michl (0)
933 Zak Magdelina (0)
Zak John
Andrew alley ends
936 Nowicki Bernard L
938 Setlock Jos A
Imbirowicz Alf
Gaska Geo
939 Wilson Mary
Rafanowicz Bronislaus
941 Kwiecinewski Mathew
Brudny Stanley
945 Blazkiewicz Stanley
△Sluchan Roman (0)
Sordyi av ends
949△Szczepanik Michl (0) gro
951 Kubus Stanislaus
Prusinski Constantine
Mikolajczak Thaddius
rear Zuber Jos S
955 Bednarz Philip
Bulera Walter S
rear Kicinski Edw M
Czerbowski Josephine Mrs
961 Goodman Robt C
Pawlewski Casimer C
963△Solomon John J (0)
Laufer Albert
Mott Wm
965 Bykowicz Frank
967 Gorski Jos gro
Kinetmiewski Edw
Daytona al ends
969 Evans Paul
Skowpski Emil
Dzielski Walter
Skonumski Emil E
979 Lester Jas E
△Morlock Aloysius P (0)
981 Sears Wesley R
Kwaizer Chester (0)
983△Bolgorny Vincent (0) gro
Suchan Thaddeus
991 Lofek Frank E (0) gro
Selkirk ends
995△Szczepanik Victoria Mrs (0) restr
Stachura Max
997 Grochol Vincent (0)
Zielinski Chas
999 Denek Steph (0)
Podolic Jos
Kremblas Stella
Stelmach Alf E
1001 Szczepanik Jos M (0)
△Minorczyk Walter L
Lewandowski Steph

A
EXPRESS ALLEY — From 218 Pearl west to Franklin
(No houses)
Franklin intersects

99
FAIRCHILD PLACE—From Linden av north to 1183 Hertel av
1△Brossway Margt M
△Ertis Moe
2△Ward Chas A
3 Papko Constantine (0)
△Ductor Gregory
6△Golding Jas G
△Johnson R Bryant
9△Hunter Arth C (0)
10 Braunlich Edw W
Petrino Frank (0)
15△Corcoran Eug M (0)
16△Marshall Wm H
△Iden Alice
17△Flore Wm C (0)
18△Chase Chas F (0)
△Welch Wm F
19 Carpenter Wilbur L (0)
△Riderstrom Ralph K
20△Diebold Edw M (0)
Walters Edw G
△Dallman Arth C
23△Reed Kineth R
△Steller Jas W
24△Muszynski Nelson N (0)
27△Carpenter Chas H (0)
△Britton Danl W
28△Connolly John J
29 Fay Bessie M Mrs
30△Onion Frances M Mrs (0)
Tioga begins
33△Brodie Jas H
Frawley John R
37△Felman Meyer
△Rosen Jerome
39△Wonderly Leroy
△Shattuck Mattie
40△McCarthy Raymond J (0)
△Simpson Geo H
43△Stieht Jos F
△Stieht Norbett
44△O'Connell Mary Mrs (0)
△Martin Mary O
45△Howe Wm S
Burns John J
48△Lund Roy (0)
49△Fontana Santina Mrs (0)
△Holtinga Harry T
52△Parker Gertrude C (0)
53△Woeller Laura (0)
△Fleshmer Raleigh E
54△Heaves Martin R (0)
57△Woodward Danl J (0)
58△Seymour David A
△Glazier Geo S
59△Smith John L (0)
62△Schall Frieda P (0)
△Jones Edw H
63△Rose Genevieve (0)
65 Muller Conrad E (0)
66△Buvers Wm A (0)
68△Yerko Anna Mrs (0)
Dakota begins
69△Grube Ray B
71△Daley Eliz R (0)
△Stedler Richd J
75△Gilbert Lawrence
△Gilbert Chas Z (0)
78△Beuss Alex H
79△Kuntz Carl W
△Davenport Wm H (0)
83△Warsitz Robt J
Loos Fred H
84△Lazroe Martin (0)
85△Daniel Mina Mrs
△Zaborowski Leonard S
88△Dunning Paul (0)
89△Forest Anna C Mrs (0)
91△Audino Russell J (0)
△Zuchlewski Bernard A
92△Babcock Richd E (0)
95△Stadler Aug C (0)
△Cooperman Saml
96△Robertson Bertha S Mrs (0)
△Slaven John H
98△Giles Roy C
△Manning Anna C Mrs
101 Vacant
102△Mandel Julius
△Strauss Saml (0)
103 Vacant store
Hertel av intersects
115
FAIRFIELD — From 2516 Main northwest to Amherst
14△Wetzel Geo C
Ratajczak Mary
Krause Sophia C
16△Kennedy J Scott (0)
Lafflin John
18△Latz Alex (0)
22△Stauffiger Roy W (0)
24△Jankowski Francis Mrs (0)
△Ebner Edw H jr
25△Pfohl Louis L (0)
26△Ebner Edw A
Peck Gordon H
Doyle Frank E
28△Storey Cecil E
△Clifford Thos J
34 Frederic Robt S
△Helmke Gertrude
Storey Wm L (0)
35△Klipfel Chas E (0)
36 Fish Carrier Mrs
Gabriel Wm J
△Becker Mary nurse
39 Russell Caroline Mrs (0)
40△Evans Grace T Mrs (0)
42△Smith Coulling J (0)
△White Helen J Mrs
44△DeCoux Danl J (0)
△Hellriegel Arth G
50△Alf Magdalene M Mrs (0)
54 Boyle Leo P (0)
△Wilson Leon C
Orchard pl ends
57 Neeler Blanche Mrs (0)
Pfau Willis W
58△Gatt Walter I (0)
Gatt Lawrence J
59△Monan Agnes Mrs
Green Herbert S
△Manzella Burt J
60 Fettar Dean C (0)
△Lynch Maxey J
62△Willis Jay S (0)
△North Earl R
63△Wallace Georgina M M Mrs (0)
△Wallace Robt S int decorator
△Allen Arth E
68△Kelly Eug T
△Keenan John H
69△Riley Pearl Mrs (0)
70△McGovern Neill
△Morton Dolan J
△Berhalter Alice nurse
△Murphy Margt nurse
Gottstein Frances Mrs
71△Bakos Walter (0)
72△Gillette Bert C (0)
△Griffiths Edw A
73△Gaffney Marie W Mrs
75△Spann Louise J Mrs (0)
76 Schreck Jas R
△Meidel Jos F (0)
78△Davison Robt J
△Adler Carl G
82△Pfleger Wm
Haren Margt K Mrs (0)
84△Stahrr Jos M (0)
Ekers Norwood E
88△Stangl Anton A (0)
Ditzler Clarence J
Vernon pl intersects
92△Wetzel Frances A real estate
△Wetzel Anthony L int dec
△Wetzel Wm G int dec
Petterson Walter F
△Wetzel Lillian M (0)
94△Herian Rebecca M Mrs (0)
98△Polder Cecelia M Mrs (0)
100△Lapp Ervin A
103△Altman Eli (0)
104△Moynihan Eliz M (0)
105△Friol Louis N (0)
106△Lyons Chas W
△Wilhelm Florence C
107△Nichols Minnee B Mrs (0)
109△King Maude D Mrs (0)
110△Block Donald J (0)
△O'Day Agnes M
112△Harrington Robt E
△Kreinheder Henry (0)
116△VanDeWater Jerome D (0)
122△Cooke Edw B
△Sheehan Robt (0)
124△O'Neil Kath L Mrs (0)
△Webber Chas C
Amherst intersects
66
FAIRVIEW AV—From 2302 Seneca northeast ½ block
13△O'Brian Chas A (0)
14△Cavanaugh John D (0)
15△Fathey Thos J
16△O'Donnell Fannie B (0)
19△Maloney Frank J (0)
20△O'Brian Chas A (0)
21△Wulke John J (0)
22△Foster Dena E Mrs (0)
25△Kless Victor J
26△Conley Jos H (0)
28 Burr Eug K (0)
△Roth Chas H
29△Arthurs Geo W
△Decker Paul W
Dexter Wm (0)
23
FARGO AV—From 232 Hudson northwest to Niagara
3 Cino Jos
Redino Nicholas
6△Giammaresi Santo (0)
Vara Chas
7△Copley Chas
11△Polito Jos
14 DiGatti Alfonse
△Sezaroba Chas (0)
Corcoran Michl J
△Senzaroba Josephine Mrs (0)
rear Pieri Dominic
Gaeta Sam
15△Cannizzaro Annuncio (0)
16 Contine Jas (0)
Contino Carmen
19△Mendola Chas (0)
Terragnoli Luigi
20△Salemi Anthony
Sparreino Russell J
23△Rinaldo Leonard D
△Naples Jos J
rear Zaccagnino Paul
Naples Peter J
24△Occhipinti Paul
Thomas Dominic
27 Controneo Geo (0)
Controneo Carl
rear Licata Thos
Combell Michl
28△Thomas Chas A
△Mastrorilli Nicholas
31 Rizzo S Saml (0)
△Rossi June Mrs
rear Rizzo Jos
Rino Amico
Gallaher W Ray
32 Vacant
33△Fiorella Frank (0)
△DiPaola Jerome
34△Russo Anthony
36△Doepp Eug J (0)
39 Costello Chas S
Mancuso Peter
Carlisle Homer G
△Spoon Jos (0)
40△Picogna Pasquale
41 McLean Wm
Longfish Helen
Skye Laura
Jasinski Steph
42△DiGesare Anthony (0)
44△LaGreca Mary Mrs (0)
46 Sciandra Andrew (0)
Tutino Michl J
47△Pucci Jos (0)
△Gimbrone Chas J
49 Coia Victor
Quigley Patk
52△Parisi Frank J
△Bellanca Frank R
Pennsylvania intersects
70△Calandra Vincent A (0)
78 **Apartments**
2△Hewitt Fred
3△Rogers Danl A
4△Piciulo Victor
5△Seuling John J jr
6△Abbarno Minnie
Street continued
79△Sapienza Vincent R
80△Kubiszyn John H (0)
81△Messina Jas
Scozzaro Salvatore
82 **Apartments**
1△Dretto Mary Mrs
2 Gugino Russell
3 Teresi Chas A
4 Manguso Chas
5 Radice S John
Street continued
84△Auria Saml G
85△Pelligrino John (0)
△Lalfaglia Jas V
Farrar Dominic
88△Luongo Danl M (0)
89 Dolce Domenica Mrs
△Tauriello Frank
90△Ruggieri Nicholas (0)
Lano Saml J
△Langhino Michl
92△Barone Sarah L (0)
△Inguaggito Geo A
93△Walsh Kathryn A (0)
96 LaScala Harry
97 Glasser Austin C
Dorsey Anne
△Garnish Ralph J
Davison Fred V
△Flatt Hilda Mrs
99△Hynes Cath Mrs
△Scozzar Louis (0)
100△DeDominicis Rocco N (0)
102 Sineni Thos J
Alfano Steven
105△Lapetina Burt
Termini Isidore (0) mus tchr
Termini Chas mus tchr
106△Agro Nicholas (0)
108△Castrogiovanni Jas (0)
Lancalesco Vincent
109△Martina Chas L (0)
Gustafferri Jules
112△Siracuse Mary Mrs
Sala Anthony
△Tronolone Mary Mrs
115 Monforte Salvatore
△Cimini Pasquel L
118△Gill Danl V (0)
△Nicosia Frank C
119△Mahoney Anne Mrs
△Leon Jas V
121 Fallon Vincent
122△Angelo Martin
△SanFilippo Angelo
△Longo Michl
126△Marschiello Frank
DiGiacomo Frank A
128 Boncore Mary Mrs
△Massaro Saml gro
Jersey intersects
148△Marciano Chas (0)
△Newland Fred
151△Yamarino Bartholemew A (0)
152 Orlando Jos
△Neubeck Louis H
154 King Jas H
154½ Ballstreri Dominick J
155 Pace Chas
157 Lattuca Angelo (0)
Jaglowski Anthony
Ellis Thurstone
158△Guzzetta Geo (0)
△Muriella Sarah Mrs
161△Sciumeca Philip (0)
162 Silvestro Danl (0)
Mecca Thos D
163 Naples Nicholas (0)
△Pelosi Nicholas M
164△Fiorella Anna S
△Vetrano Jos (0)
rear△Faso Carl
Bumbalo Anthony J
166 Lauriello Chas
Connetillo Anthony
167△Weiler Wm (0)
168 Gulino Russell
Rizzo Leonard
171 Menza Michl (0)
172 Viola Nancy Mrs
Maraschiello Josephine Mrs
173 Ballstreri Anthony
△Flaminio Gaetano (0)
174 Puleo Saml
Ciovacco Ceasar
174½ Thomasula Louis J
Gallo Jos
175△Bellanca John D
Incavala Alex
175½ Brookman Edwin C
Maraschiello Jos D
178 Tauriello Chas
179 Miller Chas
Morlock Walter
180△Gianturco Jas (0)
Sinagra Vincent
181△Spada Louis (0)
DiAmico Philip
182 Guglielmo Domenico (0)
Mungora Angelo
183 Falcone Jos (0)
186 Barone Rosario
△LaBella Vito (0)
187△Werkley Jacob H
189 Vacant
192 Vacant
31
Porter av intersects
238-54△American Palace Laundry
△Bfio Veni Laundries Comp
260 Mesler Margt Mrs
Connecticut intersects
277 Oates John P
Ginelli Nicholas
281△Insalaco Michl (0)
Rubino Leonard
rear Pitrello Chas
283 Jeffords Wm
284△LaFalce Dominick E
285 Jackson Andrew
286 Hamman Theo T
Acquisto Jos
287△LaDuca Anthony G (0)
LaDuca Robt
288 Caputy Peter
Distefano Thos
290△Carroll Mary C Mrs (0)
293△Cavanaugh Philomena Mullane Wm R
FARGO AV—Contd
294△Gigante Frank J (0)
295△Bellomo Salvitore
296△Brignone Jos A
△Sinatra Rose Mrs
296½ Collesano Frank J
Sinatra Saml
297 Colangelo Angelo
△Vecchio Jos
298 Camarata Alfonso (0)
Callari Fulton
299 Minichella John
Ginelli Jos
Ricci Michl
302△Insana Antonia Mrs (0)
Irti Veto
303 Guido Gregario (0)
Custodi Nicholas
307△DiLaura Michl (0)
Genco Jos
308 Castiglinone Saml
△Scillia Josephine (0)
309 Conkling Jos J
△Imperi Anthony
312 Failla Jos C (0) genl contr
Miller Harold
313△Feresi Wm
△Buscaglia G Wm
314 Marzullo Frances Mrs
rear Lucia Peter
314½ Scillia Edw
316 Pace Jos (0)
Modica Chas
316½ Donnelly Edw
Lemaster Claude
317△Ortalano Thos
Lucchino Frank
320 Leone Ida Mrs
△Cirasa Cosimo (0)
Chiavetta Louis N
321 Giorlandino Vincent (0)
Palmeri Angelo
LoGare Leonard
322 Sterling John
Ruckdeschel Earl
323 Sanfratello Jos (0)
Sciangula Vito
328△Giachetta Anthony
Mattei Dante
329△Public School No 49
Vermont intersects
339 Alessi Jos C
343△Santino Jos
Schiavone Michl
345△Carriero Paul C
△Martorana Ignatio
346 LoVullo Anthony
DiGiacomo Vito
Malcaluso Thos
Arcara Benedict
347 Neri Salvatore (0)
Gioelli Michl
350△Rampine Anthony (0)
351 Giangreco Michl
Cipolla Jos
rear Celia Louis
Marzullo Anthony
353△Gambino Josephine Mrs
353½△Tramontana Chas (0)
354△Mastrantonio Jas L (0)
Pantonini Sebastian
356 Pantinini Achille (0)
Galbo Michl
357 Guido Jos B
Navarro Ralph J
360△Villari Louis (0)
△Rogers John
Maggio Ralph
361△Brucklere Steph (0)
Pende Vera
363△Dickas Mary
364△Martino Jos excavator
Passanello Vincent E
365△Bongioranni Salvatore (0) coal
Occhipinti John C
368 Latorre Carmen
Pinnataro Frank
369△McNamara Ella (0)
Houlett John
372 Gelsomino Jos (0)
Runfola Saml
373 Caruso Virginia Mrs
Rubertone Frank
LiSacchi Andrew
375 Castricone Henry (0)
Molinelli Louis
378△Wenn Robt W (0)
Crossett Chas H
379△Serio Alfonso (0)
Serio Anthony
380△Vertino Saml
Vella Saml
rear Vertino John
381△Sciandra Frances
△Valenti Philip
381½ Sabato Leonard S
382 Cascio Frank C
Giallella Anthony
382½ Vara Frances Mrs
383△LaMonica Jos
Farina Chas
384 Serio Jos L
387 Gianni Dominica Mrs (0)
△Martinez Frank D mus tchr
388△Cuviello Rose Mrs (0)
Cuviello Nicholas
391 Schilagi Anthony
△Alberti Santo (0)
392 Spada Anthony
Esposita Leo (0)
393△Cheavaroli Emilio (0)
Capozzi Nicholas
394 Adragna Jos
Perritano Thos
Mazzola Michl
395 Muscarella Steph
Bonaiuto Pietro
399△Battaglia Jennie M (0)
400△Perna John gro
Rhode Island intersects
407△Nasca Leonard (0)
Lepore Ralph
413 Quartaro Casper
Preteroti Leo J
415 Quartararo Jos
416 Hall David T
Zamito Anthony
417△Triffilo Antonio
DiSalvo Ignatiaus
418 Poni Victoria Mrs
Carino Michl

835-837 E.M. St. Finest Quality Since 1933 WAshgtn. 6956

HAGER—Contd
16 Smith Ernest J ⓞ
ΔGaffney Francis J
rear Smith Harry E
17 Zollitsch Raymond J ⓞ
20ΔCoughlin Mary Mrs ⓞ
Hellriegel Raymond G
22 Klein Morris junk dlr
rear Vacant
23ΔJensen Florist
Berg Walter E ⓞ
24 Smith John H ⓞ
Florida intersects
39ΔLalloz Adolph F ⓞ
41 Saskowski Lottie
43ΔHellinger Albert ⓞ
47 MacClashan Earl A ⓞ
49ΔRenner Quintin P
53ΔObersheimer Frank H ⓞ
55ΔBening Louis E ⓞ
59 Braunstein Harry I ⓞ
Loney Herbert
61ΔRussell Ralph L ⓞ
65 Brown Andrew R
Miller Barbara
67 Klenk Chas F ⓞ
71ΔMorris David J
Percy John F
73ΔKarl Edw ⓞ
76ΔHathaway Anna A Mrs ⓞ
ΔSinclair Robt jr
Sexton Garfield C
77 Reed Wm D
Alexander Ida L Mrs ⓞ
79 Clancey Arth F
ΔFunke Nellie Mrs ⓞ
81ΔDrumm Jos R ⓞ
82ΔWertheimer Minnie Mrs ⓞ
86 Hubbard Lida M Mrs
E Delavan av intersects
40
HAGERMAN — From Swan north to Seymour, 1 west of Emslie
4 Simon Magdalene Mrs
6 Neiman May M Mrs
Seymour intersects
53
HAGGART ALLEY — From Gull north to 37 W Ferry
14 Murphy John
37 Schaut Mary Mrs
W Ferry intersects
160
HALBERT—From Gesl north to Rodney av, intersecting 100 Leroy av
3 Wells Theo R
5ΔSchaffner Saml A
9ΔEichhorn Edw J
11ΔSzymanski Julian
15ΔBrown Fred W
17 Meyer Lillian Mrs
19ΔBanach Matilda
ΔPrice Anthony
23ΔZagern Wm A
ΔBrownschidie Clara Mrs
29 Frawley Jas
ΔFredette Edna
Dewey av intersects
53ΔFiebelkorn Frank
54ΔZeitz Frank A ⓞ
Hacker John E
55ΔMatters May F Mrs ⓞ
56 Webb Wm G
59ΔChapman Earl H ⓞ
63ΔPatey Alwyn Mrs ⓞ
64 Williams Leslie L ⓞ
Kelly Jas M
67 Kelly Jas
rear Hornung Ervin
68ΔHoran Anna E ⓞ
ΔKnaier Gordon N
71 Hayden Wm W
72 Meyers Wm H ⓞ
75ΔBrockner Geo S
76ΔFischer Louis E ⓞ
77ΔConway Jas B ⓞ
ΔBachmann Cath L
78 Murphy Mary E Mrs ⓞ
81ΔRicciuti Margt Mrs ⓞ
Leroy av intersects
Brewster begins
Jewett av intersects
161 Baisch Herman G ⓞ
Lyons Harry
167ΔAsh Jos H ⓞ
Hoefner John J
ΔLeonard Wilbur C
ΔHarvey Jos T
169ΔKlein Wm H
ΔVelott J Fredk
171ΔSolat Gizella Mrs restr
Phelps begins
179-191ΔGross Machinery Co Inc
Rodney av intersects
1
HALLAM ROAD — From 161 Middlesex rd north to Bedford av
24ΔReich Melvin A ⓞ
30ΔLansky Jacob ⓞ
35ΔRumble Albert H ⓞ
38ΔKirchhofer Alf H ⓞ
39ΔBecker Max ⓞ
44ΔMilch Elmer ⓞ
47ΔLubke Henry G ⓞ
55ΔStrachan Kenneth ⓞ
63ΔSmith Chas A ⓞ
69ΔLindsay Walter C ⓞ
87ΔEhrenreich Raymond ⓞ
95ΔTeach John H ⓞ
Bedford av intersects
4
HAMBURG — From south north to 533 Swan
18 King Wm
Sumner Oscar
20 Everett Kenneth
22 Hennigan Wm
24 Lavalle John ⓞ
28ΔThomas John J ⓞ
30 Herman Rose
McMullen Jos
32 Lock Louis
Melton Wm
rear Cook Doras
34ΔHennigan Patk J
Jemison Myrtle
44ΔBannister David B
50 Harrigan Walter V
60 Vacant store
Thompson Russell W
Erie RR crosses
Republic ends
73ΔSolarczyk Julia B Mrs ⓞ restr
Procknal Eug
74 Kubik Anna Mrs
Kubik Stanley
75 Vacant store
Donovan John
Greene Richd
rear Stebbins Wm J
76 Shine John W
79 Bumbar Steph
Guth Cyril ⓞ
Scheber Geo
Marek Pauline
81ΔMaloney Mary Mrs ⓞ
ΔPatton Mathew
85 Collins John J
Kaminski Thos
86 Clifford Michl
Gallagher Patk
87 Sconoy Service Station
90 Kenefick Simon J
Skinner Earl
Barone John
Simbaldi Richd
92 McCarthy John
Hynes John J
94 Thompson Mary
O'Rourke Theo
96 Kelly Edw V ⓞ
118ΔPublic School No 34
O'Connell av intersects
125 Mays Arth L
Stone Ernest gro
126ΔZwolinski Bronislaus
Evans Alex
127 Vacant
128 Sawchuk Martin ⓞ
129ΔMyers Marion beauty shop
Luke John
131ΔMays Eug L
Jodosek Steph J
134 Jemilo Cath
Dabov Mathew ⓞ
136ΔLeahy Thos R
Stone Ernest
137 Vacant store
Knox Richd ⓞ
138 Webster Howard
ΔFitzgerald John J
139 Noworyta Stanley ⓞ
Brill Michl
140 Dewald Edwin
rear Ellis Ann
141ΔBendelow Thos
ΔSullivan Jenny
142ΔHoolahan Michl J
Gormley Mary Mrs
Gormley Mary C nurse
143ΔSchmelz Geo W
Slobuc Max
rear Klekko Andrew
144ΔHoffstetter Ella M ⓞ
145 Milligan Edw J
Leavy Steph J
McCarthy Jas
146 Esis Michl
Wodarski Chester
rear Ristine Warren G
Duewiger Chas
148 McCarty Jas W ⓞ
149 Nicholson John W
151 Pitz Jos
Sullivan Jos
152 Smith Wm J
153ΔChilcott Mary Mrs
Corcoran Thos
156ΔReilly Jos J ⓞ gro
Danahy Bridget Mrs
158 Duggan Raymond J
Mackinaw intersects
6
DL&WRR overpass
185ΔFleming John T
189ΔMcNerny Eliz Mrs ⓞ
ΔKennedy Wm T
Duncan Mary Mrs
Maloney John
190 Wojtasik Frank ⓞ
191 Michel Victor W ⓞ
Burley Clyde F
192 Morgan Amelia Mrs
Michel Victor E
193 Fitzgerald Chas T
Roller Kath Mrs
197ΔFitzgerald Margt Mrs ⓞ
ΔGerdlestone Eug
Doster Junior M
rear McMillan Jas D
Lennon Mary Mrs
198 Jedrysik Jos J
Jedrysik Wm
rear Zawadzik Alf E
200 Kohm Emil
Przystal Peter
Jedrysik Stanley
Bagrowski Wm
Suhr Louis
201 Walsh Mary ⓞ
202 Jedrysik Stanley J
203 Fitzgerald Loretta M
rear Bautz Jas
Smietana Andrew ⓞ
204ΔJedrysik Jos ⓞ gro
Mazur Walter
Gorkiewicz Stanley
Kuczmarski Leo
Miami ends
205ΔBurke Michl J
ΔKennedy Andrew J
207 Kempa Jos
211 Kelley Frank
215 Burszkynski Michl
Zielinski Walter
217ΔSzeremeta Michl ⓞ
Tyczka Jos
219 Helmer Conrad J
Nicholson John J
Brown Eleanore Mrs
220ΔHoch Henry J
Ano Irene
221 Dwyer Frank ⓞ
222ΔWaver Wm O ⓞ
trucking
Waver Herbert G
trucking
224 Mayotte Clarence P
Dwyer Frank J
225ΔRyan Bridget C Mrs
Janczak Edmund
rear Craizion Jas
ΔDray Danl J
226ΔWarren Edw J ⓞ
228 Lis Wm
Seirgiej Jos ⓞ
rear Saunders Jos
229 Bowman Geo R
Cummings Thos
rear Mass Wm
230ΔFletcher Fredk D
Lukomski Henry F
231 Lewandowski Connie
rear Garland Saml
233ΔScott Mary G Mrs
Quinn Michl J
rear Chandler Clayton
234 Schur Eleanore
Brown Edw
Ackerman John
236 Zemka Victor ⓞ
South Park av intersects
264 King Wm L
265 Kelly Jas B ⓞ
ΔMcMahon Maria
Lennehan Bridget nurse
266 Frazzini Angeline Mrs
Coatsworth al ends
267 Ludwig Irving G
ΔEllis John J ⓞ
ΔHayes David J
Ward Minerva Mrs
269 Griffin Margt Mrs
Sherry Peter J
270ΔBellet Paul L ⓞ
271ΔZielinski Frank ⓞ
272 Vacant
273ΔWilson Danl P ⓞ
274 Irish Anna Mrs
Cummings Wm A
275 Klimschot Jos
Sabadasz Steph
Melancon Walter
Watson Howard A
279 Bauer Anthony
281ΔDrew Frank gro
Martin Margt
Ruda Steph
Fulton intersects
289ΔWageman Eliz ⓞ gro
Laughlin Anna
291 Rzenznik Walter ⓞ
293 Levorchak John ⓞ
King Harry R
ΔKing's Mary Beauty Shop
294 **Apartments**
1 Maloney Wm J
2 Considine Jas J
3 Lauritsen S Peter
4 Rooney Edw
5 Helstrom Jas P
6 DeMarest Frank
Street continued
295 Kozlowski Walter
Kozlowski Konstanty ⓞ
297ΔBujnicki Stanley W ⓞ
ΔDevine John J
298 **Apartments**
1 O'Connor Frank J
2 Hughes Mary Mrs
3 Courtney Edw
4 Rogers Thos C
5 Hanavan Jas
6 Bennett Edw jr
Stannard al ends
303 Kniazuk Alex
305 Carter John
Gallery Anna
307 Polek Mary
Baldyga Genevieve
312 **Apartments**
1 Summers Isabelle Mrs
2ΔBelote Harold W
3 McElligott Edw J
4ΔGrimmer Raymond
5 Sexton Michy J
6 Pawlowski Steven J
Street continued
316 **Apartments**
1 Sylvester Elsie
2ΔDeVincenzo Geo
3 Caveretta Aug
4 Hart Thos
5ΔGlasser Jos R
6ΔLoiacano Saml V
Perry intersects
330 **Apartments**
1 Scanlon Jos
2 Jennings Lydia
3ΔSuttie Edw
4 Stein Nora C
5 Watson Jas
6 Pronko Bernard
Street continued
333 Mills Thos
334 **Apartments**
1ΔEberhardt Harry
2 McCarthy Thos
3 Loking Edw
4 Santora Danl
5 Mackin Jas
6 Santora Anthony
Street continued
335ΔO'Brien Dennis J ⓞ
Lehigh Valley RR overpass
Scott intersects
349ΔGlobe Plaster Co (yds) Kwietniak Walter J
367ΔWhitmer-Jackson Co Inc whol fbr
374ΔBuffalo Sewer Authority (pumping sta)
NYCRR underpass
Railroad begins (not open)
8
Exchange underpass
Carroll intersects (not open)
NYCRR underpass
Seneca intersects
505ΔAtlantic Commission Co produce
Myrtle av intersects
519 A & P Food Stores (genl office and whse)
ΔGreat Atlantic & Pacific Tea Co The
Swan intersects
73
HAMILTON — From Niagara River east to 302 Tonawanda
1ΔGravel Products Corp (br)
Dana ends
7 Vacant
9 Vacant
Kushman Metro
Niagara intersects
30 Gehm Louis J
32ΔEschborn Norma M Mrs ⓞ
33 Zimmer Michl J
41ΔHewson Chas D ⓞ
43ΔLeiter John ⓞ baker
Sambo Mathew
Dearborn intersects
59ΔRyckman Herbert H paperhngr
ΔHemfling Eliz ⓞ
61ΔBittner Eliz
62ΔDold Michl C ⓞ
67-69ΔEhlers Chas A
Clifford Leroy J
68 Vacant store
ΔWanowski Benj
East intersects
84 Vacant store
Bermel Nicholas
85 Vacant
86 Kaiser John L
Shafer Stella
Daniel Wilburn L
Reiger Peter
rear Vance Max
87 Barton Edw S
rear Williams Herbert J
89 Karanas Thos J
Abercracker Wm
rearΔHuber Matthew J
90 Dzygun Wasyl ⓞ
Hussak Steph H
91 Howard Bert S
Salay Alex
rear Heffman Carl
92 Wargo Susan Mrs ⓞ
Koesis Louis
93ΔAustin Clarence W
95ΔLurwig Frieda Mrs ⓞ gro
96 Bernhardt John ⓞ
ΔEndres Rudolph M
Hoffman pl begins
Hoffman al ends
100 Lazarus Cyril B ⓞ
101ΔHartmann Chas J ⓞ
Groh Lester J
105ΔSteffan Oscar A ⓞ
ΔSteffan's Dairy
Bachman Wilbur T
ΔBecker Geo R
107ΔBecker Albert J ⓞ coal
Becker Chas
108 Guzowski Wallace ⓞ
110 Verbocy Jos
ΔBaumgarten Fredk ⓞ
111 Danglies Theresa
Faggor Andrew L
113 Kepruan Rose Mrs ⓞ
114ΔTalaszczuk Stanley J
Hahn Chas E
ΔSoock John
115 Scive Peter
116 Weaver Geo F
118ΔHalsdorfer Steph M
119ΔWojdysh Nicholas ⓞ gro
Thompson intersects
132 Zimmer Harold H
136ΔFeirich Louis E ⓞ
DeLuca Emil E
142 Kandel Jacob ⓞ
144ΔSlazyk John A
Sherman Wm W
Vacant
Gorton intersects
152 McCarthy John L ⓞ
158ΔBlumenthal Mary
Tonawanda intersects
139
HAMILTON BLVD (Kenmore)—From 3086 Delaware av west to Military rd
15ΔBoard Jas W ⓞ
16ΔRindcen Carl J ⓞ
19ΔCramer Clifton W ⓞ
20 Davidson Edwin E ⓞ
21ΔGordon Edw D ⓞ
23ΔMueller Fred J ⓞ
24ΔDown Clinton A
25ΔWilliamson Robt J ⓞ
27ΔMiano Frank R ⓞ
28ΔCare Harry E ⓞ
29ΔMaloney Wm J ⓞ
30ΔJohn Emil A ⓞ
31ΔGeyer Chas J ⓞ
34 John Elden O ⓞ
35ΔCoghlan Thos J ⓞ
36 Durkin John H
37ΔKnights John R ⓞ
40ΔLoomis Leslie E ⓞ
44ΔZenner Kath R Mrs ⓞ
46ΔAllan Norman E ⓞ
50ΔRadloff Annabelle Mrs ⓞ
53 Vacant
54ΔKelly Wm K
56ΔSchuler Marshall E ⓞ
57ΔMassing Theo E
58 Woesner Howard A ⓞ
59ΔRingle Robt E ⓞ
60 Conlon H T
63ΔKopan Edmund ⓞ
64ΔAustin Mael D ⓞ
ΔJohnson H Eug
67ΔSummers Minnette G Mrs
68ΔDissington John C ⓞ
71 Robin Harry
73ΔTheurer Herbert G ⓞ
77ΔPutnam Frank L ⓞ
78ΔMann Arth W ⓞ
79ΔTaber Geo D ⓞ
80ΔBowers Paul
83 Stepanik Jos
84ΔShaft Howard E
87ΔSweetland Harvey A ⓞ real est
88ΔCuthertson Geo S
89 Sweet Chas W ⓞ
90ΔBarber Henry L ⓞ
93ΔBush Harry ⓞ
HAMILTON BLVD (K)—
Contd
95ΔRecktenwalt Eug P ⓞ
97ΔParr Henry A ⓞ
100 Engelfried Alf R ⓞ
101ΔHamilton Robt ⓞ
102ΔWallace Edgar G
109ΔSmith Jas C ⓞ
111 Harris Geo H
112ΔFink W Almon ⓞ
115ΔThurber John M
116ΔCollins Frank G
118ΔHoag Arth R ⓞ
119ΔBriggs Fredk A
123 Saunders Clifford K
124ΔMoylan Robt L ⓞ
127ΔLamy Harold E ⓞ
128ΔBurdick Boyd F ⓞ
131ΔTravis Lewis E ⓞ
132ΔSchoufele Geo J ⓞ
135 Thorvaldsen Arnt O ⓞ
136ΔMenzies Andrew T ⓞ
139ΔBeuthel Rollo C ⓞ
140ΔMcDonald J D ⓞ
143 Weinsheimer Wilbert G
144ΔGoldring Elias E ⓞ
147ΔMacDonald Angus ⓞ
148 Vacant
151ΔDerner Albert E ⓞ
152ΔWilson Randall E ⓞ
155ΔDenney Melvin E ⓞ
156ΔSmith Rome S ⓞ
159ΔJacobs Albert H ⓞ
160ΔBlackman Ray A ⓞ
163ΔMarkham Agnes M Mrs ⓞ
164 Kenney R C
168ΔSamballin Chas H ⓞ
Elmwood av intersects
141
229ΔReigel L Newton ⓞ
230ΔWilson Ernest T ⓞ
233ΔDoherty Robt E ⓞ
234ΔRobertsen Thos G ⓞ
235ΔReifenstatter Jos J ⓞ
236ΔWendling Chas A ⓞ
238 Stebler Albert J ⓞ
239ΔReid Ernest L ⓞ
240ΔPlummer Peter jr ⓞ
242ΔColeman Fredk J ⓞ
243ΔWestcott Harold C ⓞ
247ΔNiemiec Bart A ⓞ coal dlr
250ΔBugelski B Richd
251ΔOsborne Carl W ⓞ pntr and decorator
253ΔPartridge Lelan T food products broker
254ΔWhite Wm D
ΔCuthbertson John B ⓞ
257ΔKuster Frank H ⓞ
258ΔSequin Gertrude Mrs ⓞ
260 Bowers Robt S ⓞ
261ΔFrier Earl S ⓞ
264ΔCygan Alex L ⓞ
265ΔPiccolo Anthony
268 Orlowicz Casimer M ⓞ
269ΔForrest Robt W ⓞ
270ΔStrickland John
271 Berg Julius T ⓞ
274 Gebhard Chas J
275ΔSmithmeyer Jos J ⓞ
Mock Paul J
278ΔWadman Wm H ⓞ
279ΔTierney John ⓞ
280ΔDay Geo F
281ΔHodge Arth J ⓞ
284ΔLubbers Robt J ⓞ
285ΔWitte Richd E ⓞ
288 Linneman Jerome J ⓞ
289ΔCassidy Paul J ⓞ
292 Plucinski Leo A ⓞ
293ΔLamb Chas E ⓞ
296ΔClouser Leniol A ⓞ
299ΔBrown Fredk R
300ΔBolles Theo H ⓞ
Wilber av intersects
307ΔMorgenroth Jos ⓞ
308ΔHoffarth Louis C ⓞ
311 Howells Mary C Mrs ⓞ
312ΔKraus Emil ⓞ
315ΔMeahl Wm A ⓞ
316 Lake Harmon J ⓞ
319ΔRayher Eug S ⓞ
320ΔRichstatler Ignatius ⓞ
321 Thomasiili Jas A ⓞ
322ΔKuhn Clinton T ⓞ
325 Lucas Michl
ΔMeans Geo F ⓞ
326ΔWilcox Wm A ⓞ
ΔWilcox Marion nurse
330ΔMcDonald Wm J ⓞ
334ΔHeifner Bert M
336 Handzo Jos M ⓞ
340ΔLeorsky Frank J ⓞ
342 Simril Verne L ⓞ
344ΔMoynihan Emmet C ⓞ
357ΔKing Chas D ⓞ
358ΔMaynard Peter ⓞ
360ΔDickerson Myron G ⓞ
361 Hutton Ralph E ⓞ
364ΔCorah Leo W ⓞ
365 Levin Irving C ⓞ
367ΔLaChiusa Albert ⓞ
368ΔBirkby John B ⓞ
371ΔStanton Mary M Mrs
Gamble Wm A
372ΔCrimi Lawrence E ⓞ
375 Jaszczynski Paul ⓞ
ΔWolff Lawrence H ⓞ
Melrose av intersects (not open)
397 Handwerk Ivy G Mrs
Vetrano Chas D ⓞ
398ΔGabler Wm E ⓞ
Gabler Alf
401 Dean Burton
Ballantine Jeannette
402 Inzalaco Jas ⓞ
Williams Chas
406ΔCasey Robt W
Walker Jas
410ΔMolnaar Jos
Welk Alex J ⓞ
Military rd intersects
154
HAMLIN ROAD—From 107 Lonsdale rd east to Humboldt pkwy
1ΔChmiel Stanley J ⓞ
2ΔCooper Jacob ⓞ
5ΔAlfenbaum Saml ⓞ
6ΔShine Sol ⓞ
ΔWolfson Abe A
9ΔMackwirth Fred ⓞ

LANGFIELD DRIVE—Contd
218 Myers Lee A
219A△Canfield Wm F
219B Traino Jean Mrs
220 Haefner Arth G
221A△O'Mara Jos V
221B Nichols Burdette
222A△Gottori Marie Mrs
223A△LaRue Danl
223B Muldowney John P
224 Hauser Chas J
225A Martin Wm F
225B△Kinney Wm
225C△Rollis Geo B
225D△Gaughan Chas J
226 Klawitter Albert J
227A△Tripi Paul P
227B Wyllie Donald R
227C Hair Norman J
227D Becker Arth G
228 Nowak Chas L
229A△Boltz Chas F
229B△Weiss Harry M
230△Walker John
231A Otis Clifford
231B Safe Chas A
232△Hayes Albert F
233A△Kaufman Henry
233B Schultz Harold F
235A Miller Jacob C
235B Granger Chas J
235C Crout Wm L
237A△Jones Philip J
237B Easton Warren
237C△Thomas Clair M
238△Bond Howard
239A Barnes Dorothy Mrs
239B△Shaw Albert
240△Beckley Wm J
241△Reckahn Harold M
241B△Smith Paul F
242△O'Connell Wm J
243A Sallaz Hull
243B△Syposs Andrew W
244 Dahlke Reinhold C
245A△Millar Herbert C
245B Donnelly Thos
245C Stoner Rudolph S
245D Walsh Mary Mrs
246△Crane Franklin N
247A Barricks Jas P
247B Roos Eug J
248 Gregorio Michl
249A△Crowley Leo E
249B Silverman Sol
250 Ceranski Walter V
251A Besant Danl
251B Rotundo Benny
252△Label Louis
253A Candee Cornelius F
253B△Darrow Mary M Mrs
253C Delaney Jas E
253D△Denne Jacob H
254△Gressel Aug
255A△Russell John A
255B Powers Leo
256△Gilbert Geo J
257A△Simmons Garrison D
257B△Achterberg Leonard
258△Beale Leslie C
259A Carr Edw N
259B Hendershot Arbutus J
260△Ryberg Kenneth D
261A Freitas Edw F jr
261B Bates Chas O
263A Posch Wm P
263B△Hickey Fredk J
264A Israeli Saml
265B△Shatzel Norman W
266△Glenski Frank J
267A Lauterbach Bertha
267B△Mussen Chas A
267C Crumlish Chas E
267D LaVigne John F
268△Nixon Glenn W
269A McMaugh Bernard
269B△Boyd Jas G
270 Biersbach Raymond F
271A△Koenig Herbert R
271B Noble Geo
272 Colucci Angelo R
273A Headley Edmund M
273B△Lockwood Geo V
274 Morlock Loretta M Mrs @
275A LaDecour Eug W
△Hewett Chas
275B△Plunkett Edw J
275C Blank Louis J
276△Barono Ross A
277A△Norberg Stanley M
277B Mortellaro Jas P
277C△Dalkey Alvin A
278 West John M
279A Goodlander Theo
279B△Szymanski Henry V
280 Goodemote Vernon E
281A Perry Geo S
281B△Anderson Ralph
283A△Stevens Glenn C
283B△Walgate Walter A
284 Dietl Jos F
285A△Richmond John Y
285B Johnson Nellis A
285C△Steinberg Marvin
285D Singleton Harry C
287A△Barry David F
287B△Jarosz Stanley D
289A△Young Henry L
289B Milbar Geo A
291A Grzankowski Jos S
291B Sosnowski Stanley B
Sun begins
301A Ferguson Theo S
301B Studer Louise R Mrs
303A△Rodens Herbert G
303B△Leahy John J jr
305A Stone Wm C
305B Taylor Julian A
307A Daniel Robt J
307B△Battaglia Chas R
307C△Bentley Lawrence H
307D△Rawls Frank E
308 Habermehl Elmer G
309A△Gaiser Jas J
309B Schwartz Jos L
311A△Frank Gordon E
311B△Burns Jack C
312 Stein Harry E jr
313A Flynn Wm E
313B△Jurgens Frank H
314A△Meiss John F
315B Bingham Thos
315C△Kerpka Albert W
315D Putnam Raymond L
316△Zimmerer Emil
317A△Diamond Elmer F
317B△White Harry W
318 Spies John
319A△Lancto John J
319B△Allen Dewey R
320 Weinheimer Chas J
321A△Freiert Harold A
321B△Niesen Neal
322△Fraas Wm jr
323A Glashauser Robt H
323B Karnath Jos W
323C Robinson Oakley A
324△Meyer Jacob
325A Hendler Jas A
325B△Kalis Arth C
325C△Konstanty Walter J
326△Manunta Peter
327A Shanahan Raymond G
327B△Meyers Geo H
327C Enser Wilford G
327D△Claxton Ralph E
329A Donnelly Jos S
329B△Whitaker Jas V
331A△Bradford Benj A
331B△White John M
333A△Weingarten Sol S
333B Sklener Wm J
334△Bradford Jas
335A Benzee Jos M
335B Wagner Clarence C
335C△Guziolek Casimer J
336△Devlin Jas E
337A△Albright Adelbert
337B Beechey Wm E
338△Newman David
339A Haight Geo S
339B△Wheeler Wm A
340 Maskal Michl
341A Crew Thelma B
341B△Slaskeewicz Leo
342△Munroe Annie E
△Gay Howard F
343A Duco Beatrice P
343B Gerlach Wm M
344 Malloy Jos R
345A Wilson Chas R
345B Cattoni Leo
345C Tovas John W
345D Lord Willis T jr
346△Legge Dorothy T Mrs
347A Bruce Arch
347B Ellis Harvey A
348△Buonamici Tito
349A LaRue Eug R
349B△Schneider Edw F
350 Wolf Albert
351A△Pohle Russel D
351B Beach Foster J jr
352 Rouse Jesse A
353A Pellegrino Julio
353B Markham Nellie H
354 Kelly Jas J
355A Plaster Ernest G
355B Strait Russell D
356△Ludd J Arth
357A Nichols S Bernard
357B△Wansor Leonard L
358 Boyer Earl J
359A△Kenal Walter M
359B Chapman Geo N
359C△Ladouceur Eug W
359D△Schmitt Jos G
360 Ohlenschlager Winifred H Mrs
361A Pasch Adolph A
361B Wheeler Floyd J
362 Roesch Geo D
363A△Hoffman Paul W
363B Florian Robt J
364△Decarolis Paul V
365A△Mook Robt L
365B Brownell Richd
366△Shettler Chester P
367A△Venie Clifford G
367B Kelly Eleanor Mrs
367C Jayne Bertha Mrs
367D△McCartney John M
368△Averill Frank P
369A△McNeill Chas J
369B△Johnson Allen W
369C△McKay Milton D
369D Hopper Evelyn Mrs
Edison av intersects
384△Ames Chas
386 Buchanan David P
388 Oates Andrew J
390△Tamul Jos J
392 Johnston Albert G
394 Swanson H Sidney
Collins Walk begins
408 Brett Bernice
410 Kuyawa John C
412 Hautala Ernest J
414 Skelly Frances
416 Guzzy Stanley E
418 Kuseck Jos J jr
Congressional Walk begins
432 Shephard Wm N
434△Ball Clara M
436△Larson Bernard L
438△Maze Ronald A
440△Alt Sol S
442 Robin Hugh R
Beiter Walk begins
456 Stashetus John W
458 Leupold Conrad J jr
460 Gorghan Geo S
462 Weiser H Chas
464 Ciopyk Walter
466 Meeson Arth H
Eggert rd intersects

170
LANGMEYER AV — From Olympic av east to 2564 Bailey av
2△Green Chas G @
4△Boersma Geo J @
6△Paul Fredk B @
7△Ertel Michl @ gro
10 Habitzruther Eug @
Glancey Albert J
11 Pfeil Albert @
12△Daigler Emery E @
15△Steinmetz Carlton L
Shapiro Nathan
16△Matthews Ethel C Mrs @
19△Snell Jennie
△McGavern Hugh J @
20△Lasker Jos A @
△Frei Fred L
21△Goetter Clayton F
22 Fleck Frank @
Doll John P
23△Malke Carrie R Mrs @
24△Schwach Edw @
Schleicher Alvin W
25 Butz Chas F @
26 Montemaggi Anna Mrs @
Owen Thos R
27△Grau Paul E @
28△Deinhart John G @
29△Wimme Arth B
△Horvatits Gabriel
33△Fischer Anna B Mrs @
34△Hoerner Wallace F @
35△Stapleton Wm G @
36 List Arth F
Beres Dorothy G
37△Dobler Rose M Mrs @
38△Rogers Luther M @
40 Newrocki Stanley B
Ward Dominick J @
43 Styn Raymond F
△Styn Alex P @
45△Schuteker Edgar A @
46 Shields Eileen Mrs @
△Koski Wilfred
47△Wright Chas G @
△Stewart Ernest
50△Deth Albert C @
51 Stubbe Emily C @
Pearce Jos A
52△Hess Marie E Mrs
Schmitt Jos M
53 Koepf Edw A
Muther Carl A
54△Strauss Henry M @
57 Garrold Russell H
△Laufs Eric
58 McCadden Mary E @
59 Gerber Clarence A
60△Heisler Jos F @
Ackerman Ernest
61 Martin Andrew D
△Bellerjeau Olive Mrs @
62 Wagner Jos C @
64△Schaefer Harold W
△Simon Edw @
65△Mosier Loretta C Mrs
67△Shanaman Walter E
68△Schalck Louis @
Kimmith Norman L
69△Wheeler Floyd D @
Holmes Francis
Aumick Gerald
73 Contact Frank J @
Fournier Armand R
74 Meissner John R @
LaGier John
75 Gravius Minnie Mrs @
76 Schubauer Chas J @
△Nichols Reginald H
80 Dirschel John J
81 Grabowski Henry V @
Bailey av intersects

82
LANNETTE — From Central av, east to 1400 Bailey av (Not open at Bailey av)
175 Vacant
Bailey av intersects

100
LANSDALE PLACE—From 451 Koons av east beyond Rustic pl
11 Ronald Bernard C @
Schmitt Richd B
13△Kraus John B
△Franzek Anthony E
Rustic pl begins
19 Malinowski Anthony
23 Banks Richd J @
Rorarius Edwin W
25△Grace Albert T @
Keene Jos A
Miller Wm F
27 Miller Arth T
29 Maxim John
△Pitzonka Paul @
35△Shaffer Claude A @
Schnobrich Frank H
39 Ringle Louis
41 Finsterwald Henry J @
43 Myers Albert S @
45 Beth Jacob Cemetery

91
LANSING — From Joslyn pl east to 200 Military rd
2-36 Texaco Petroleum Products
△Texas Co (plant)
11 Arki Ignatius
Bugyi Martha Mrs
15 Parwulski Adam
Haynos Peter L
17 Klemowski Danl @
Bamberg Cath J Mrs
19 Molnar Jos
Titorenko Michl
21 Szur Geza
Lavrey Charlotte J Mrs
Military rd intersects

50
LARABEE — From Hopkins east ½ block, 2 south of Marilla
12△Andol John S @
16 Koch Adolph F @

125
LARCHMONT ROAD—From 35 University av, north to Kenmore av
9△Danner Edwin J @
11△Deck Gregory F @
15△Priebe John W @
21△McGroder Patk @
22△Belden Russell D @
25△Murphy Bert J @
26 Vacant
27△Tenjost Wm P @
30△Hornberger Andrew @
35△Bentley John S @
36△Brandt Wm F @
Radcliffe rd begins
39△Blight E Bertram @
43△Mache Chas L @
45△Mayer Edw @
49△Hislop Frank E @
52△Roth John @
57△Bray Eliz @
Lehy Julia
61△Becker Edwin E @
65△Wright Theo M @
△Whissel Eug M @
69△Klein John A @
73△Lyon Wm K @
Bellevue av intersects
81△Brown Thos T @
82△Kiendshop Niles E @
87△Wambach Louis @
90△Diem Gerald B @
91△Farrell Frank D @
93△Grimm Carl C @
94△Henes Robt C
98△Leiser Jacob @
99△Soanes E Ward @
102△Pankow Frank L @
103△Kirch Chas E @
104△Austin Edw F @
bldg contr
108△Jackson Marshall S @
109△Daum Earle B @
112△Dunkle Russell S @
115△Jacobs Edwin G @
116△Elsheimer Fredk C @
117△Sullivan Thos S
Kenmore av intersects

120
LARK — From 28 Sidney north to Northland av
14 DiPalo Ralph @
△Lorefice Vincent J
15 Stockman Amby H
△Johnson Lloyd R
16△Fetto Anthony
Molin John
Occhino A Jos
17△DiFrank Jos @
Bendee Jules
19 Rovillo Maurio @
Rovillo Danl
20△Giolando Serafin @
plstr
△Giolando Jos P plstr
21△Marasco Angelo F
△Moses Tobe
22△Lawandus Jos E
△Oddo Angelo
25△Posterman Rebecca Mrs @
Posterman Chas
△Levy Harry B
29△Davis Frank C
△Frank Abe
30 Generoso Anthony
Fiorentino Gaetano
31△D'Antimo Dominic @
32 Stallone Volpicello Mrs @
△Rude Coleman
35△Becker Eliza A Mrs
△Landers Saml
36△DeMarzio Eliz Mrs @
DeMarzio Clement
37△Resnik Sidney S
Filsinger Mary Mrs
rear△Wolf Saml
△Wolf Aaron
38 Aschieri Emedio @
Aschieri Jos
40 DeMarzio Pamfilo @
△Maraschiello Jos A
41 Mumm Geo A
43△Houser I Wm
Achenbach Gustav
44△Grasso Cesidia Mrs @
Grasso Geo C
47△Boyle Thos J
△Lettman Sidney
48 Saviola Peter @
△Albino Nicholas M
51△Logan Chas
△Gaudszum Carl

LARK—Contd
52△Rosen Julia Mrs
△Brock Michl @
53 Patchin Mildred F Mrs
Paulsen Henry
55△Limpert Fredk
Muir Carrie C Mrs
56△Kushner Azizeal @
△Yallof Jack
58△Limburg Christ G
O'Connor Harold J
△Ormsby Edw
△Schweitzer Edw A
62△Collins Jas P
△Riddell Ralph B
rear Shipman Dorothy
△Watts Sally S
74△Iadarola Vincent J @
75△Cuminsy John H
76△Limpert Nicholas L
77△Schrader Wm C @
78△Sibilio Jos
79△Lipinski John S
Murak Stanley F
80 Walker Walter H
△Meyer Cyril
81△Davis Esther
Bettis Marguerite Mrs
82△Hoffarth Rudolph
83 Rzepka Mary Mrs
Rzepka Gladys Mrs
84 Barth Geo F
Pereira Manuel
85 Stein Max @
LaVorgna Alf
Northland av intersects

40
LARKIN — From ½ block south of Roseville north to Seneca, 1 west of VanRensselaer
189 Misiak Madaline @
197 Panek Mary Mrs @
Doskocz Mary Mrs @
Doskocz Mary Mrs
205 Szczesek Steph
207 Szczesek Cath Mrs @
209 Gawlik Steph P
211 Pikul Jos @
Morehouse Elmer J
Ziolc Lawrence
215 Vacant store
Horymski Anthony
Roseville begins
Erie RR crosses
Exchange intersects
290-302△Wilson Warehouse Inc
293 Great Lakes Paper Stock
295 Vacant
303-13 801st AAF Specialized Depot
Seneca intersects

200
LA SALLE AV—From 3025 Main, east to Eggert rd
15 Gartler Chas J @
21△Metz H S Coal Co Inc
25△Menig Jos F
29 Landsberg Ralph
△Cowan Ruth Mrs
33△Simons Walter E
36 Edmisten Edgar H
△Gaines Floyd F @
37△Young Wm J
Smith John T
40△Fortman Arth C @
△Cullen Anne
45△Maier Anton M @
△Kreiner Edwin A
△Pfeiffer Eug H
48 Lincoln Milton H
△Mottern Kenneth
49△Neville J Gregg Ibr
78 Wenke Rudolph P @
80△Schenk Carl G @
98△Hausler Frank J @
△Hausler Gerald W
100 Kramer Chas G @
101△Weber Otto @
110△Warning Fred C @
△Baldwin Emory K
115△LaSalle Auto & Battery Service auto reprs
Cordova av begins
127△Kohn Anna Mrs @
131△Cugini Michl
△Kreutzer Anthony G
135△Coon Edw G @
137△Dick Eliz A Mrs @
△Wagner Russell G
Simonsen Arvid C
140△Dempsey Donald D @
141△Sattler John @
142△Kelker John P @
148 Bueche Edw A
152△Woods Norman E @
153 Vacant
154△West Margt A Mrs @
△West Carl E
155△Daniels Mildred H @
△Warner Marion C Mrs
157△Frost Harlan M
158△Davis Jas A @
△Lempke Arth G
162△Laux Chas J @
△Allen Wallace D
163△Heilbron Wallace W @
166△Goettelman Chas J @
167 Draper Geo E @
Range av ends
172△Witnauer Earl M @
176△Bolt Alf J @
△Miller Helen S Mrs
177△Stevenson Francis A @
180△Brandt Sarah Mrs @
181△Brenner Herman A @

SENECA ST 1946

SENECA—Contd
193 △Yall of Natnan 2d hd furn
Evans Gertrude
McKinley Roosevelt
Williams Frank
Stinson Jackie
195 △Pepperman & Son 2d hd furn
197 △Aber Aaron 2d hd furn
198 △Venetian Hotel
△Morabito Letterio restr
Butler pl begins
204 DiLapo Danl restr
206 Johnson Eliz restr
Fluker Henry
208 △Willer Mose G men's clo
Dismukes Thos
Gibson Cuel
209 Saviola Ralph
Whittaker Alice
△Ienco Larry liquors ret
rear James Fred
210 △Robbins & Baker auto reprs
211-213 △Miller Auto Paint Shop auto painting
212 △Frankel Israel 2d hd furn
214 Baker Oscar pool room
215-17 △Aber Aaron 2d hd furn
218 Jaeger Geo H 2d hd furn
Roach Phillip E
Kennedy Peter J
Herger Ernest
Lahiff Barth
219 △Occhino Fortunato gro
220-22 △Robinson Nathan hd furn
Szulist Lottie Mrs
△Robinson Nathan bldg contr
223 △Safeway Truck Lines
224 △Shapiro Morris venetian blind clnrs
Love LeRoy
Thompson Earl P
△Bryant Namon
226 △DeJarlar Edw 2d hd tools
rear Mulligan Markt
Matthew John
Herald Wm
230-32 Adler Jacob 2d hd furn
231 Bocanowak Jos
△Ellis Cath
234 Vacant store
Williams Mae Mrs
236 Hooser Cora Mrs
Coleman Wm L
△Smith Lovell B auto reprs
△Wright Lorenzo A
Potts John V
237 △Polo Fred coal
Lynch Jos
238 △Blue Wm H
Pate Amanda B
238-42 △Italian & French Wine Co
Elmira pl begins
245 △Bell Linen Supply Co
247 △Steadman Fredk R roofing
249 **Apartments**
1 Harder John
2 Betinne Jas
3 Evans Josephine Mrs
4 Perkins Archie
5 Brown Wm
6 Jackson Antonio
7 Garrett Margt
8 Andrews Gilbert F
9 Brown Finist
10 Holley Philmore
11 Bryant Lovina Mrs
12 Robinson Henry
13 Voious Alvin
14 Thompkins Silas
15 Morgan John
16 Donner Danl
Street continued
250 Vacant
Adinolfi Jos
Calabrese Anthony
Oliveri Jos
Strianese John R
Limer Jos
251-57 △W & F Mfg Co Inc whol confrs
252 Kloner Wm 2d hd furn
Jones Chas
Mills Mary
254-56 Weiss Morris R genl mdse
Otis Wm
256 Conway Fredk
258 Friedstone Bapt Church McMo John
259 △Santora Frank @ restr
Santora John A confr
Jenkins Anderson
△Santora Jos J restr
267 Andreolo Frank
Vacant store
Grigaitis Anthony F
269 Stumbles Restr
271 Annunizto Rose Mrs
Piscitello Anthony
△Annunziato Rose Mrs @ gro
Annunziato Neal
Johnson Sylvia Mrs
Golock Jos
rear Crosby Louis
Gaerd Clyde
275 △Bataglia Amalia @
McGuire Albert J
△Liberatore Frank P
276 Ellis Gaston
△Truck Drivers Local Union No 375
278 Kloner Wm 2d hd stoves
Wilson Wm W
Boynton Abra
280 Alexander Mary Mrs
Morten Calla Mrs
282 △Hirsch Wm L drugs
Daily Anderson J
Mack Jos
Chicago intersects
291 △Chef's Restr
297 △Attea Jos A whol dry gds
Love Curtis
Williams Clifford E
301 Vacant
Mattioli Anthony
Oliver Floyd
303 Vacant store
305 △Truck Drivers Local Union No 375
Heath Hudie
Smith Booker T
△Dellapenta Luciano
△Varisco Peter
Robinson Nora Mrs
306 Fortunato Angela Mrs
Alesii Jas
307 △Callahan John F
DeMartino Jos
Lombardo Carmella Mrs
308 △Ranni Michl liquor ret
Lombardo Carmella Mrs
rear Bates Walter
310 Gioia Angelo shoe repr
rear Petrillo Anthony
Miranda Rosario
Maiolo Concetta Mrs
△Gioia Angelo
318 △Terreri Peter
Dellapenta Lucy Mrs @
rear Cantavenera Angelo
322 Speranza Michl @
Vacant store
Marinaro Danl
332 △Scioli Jas roofing
336 Debes Wm B exterminator
Velardo Frank
Green Vivian K Mrs
338 △Sartini John
Vacant
Antonioni Ardovino cigar mfr
339 Vacant
△Moralas Gabriel
Crawford Thos
340 △National Cylinder Gas Co Inc oxygen producers
△Antonioni Ardovino
341 Vacant
342 Vacant
343 Vacant
Askas Mohamed
Abedellah Homah
343½ Vacant
345 △Johnson Josephine
△Ruzzini Domiale
△Youritchuk Geo
346 Vacant store
Sacco Michl
348 Pacciotti Adolph
DiMichele Carman D radio sales & service
349 Vacant
Belatta John P
Tucker Floyd L
350-56 △Buffalo Storage & Carting Co
355 △Scimia Enrico @ restr
358 Am Rescue Workers Inc (social center dept)
△Dolbow Chas E
360 △Unis Mary Mrs @
△Short Theo
362 Nicolaio John harness
Vacant
369 △Cahill Matthew J filling sta
370 △DiTondo Jos restr
Louisiana ends
372 △Polverari Ann B gro
Fortson Clarence
374 △Polverari Thos E @ carp contr
Grigsby Raymond
Sally Minnie Mrs
378 Mahmound Mohamedi
Lewis Wm H
Jackson Ruth P
380 Brandt John restr
S Cedar begins
400-02 Welcome Hall Playground
404 △Welcome Hall Community House
Peace John G
405 △Pennsylvania RR Co (real est dept)
△Pennsylvania RR Co (frt div)
△Pennsylvania RR Co (operating dept)
△Pennsylvania RR Co (traffic dept)
412 Gordon Chas J
Stevens Robt J
414 Tracy Kenneth P
DeFilippi Josephine
418 Calvanese Ciro
△Parker Willis C
422 Brighman Percy
Corum Pauline E
rear Hooser Wm
424 Lanza Jos C barber
Clark John M
426 William Lorenza H
Valente Alex
Miranda Vincenza Mrs
428 △LaPiana Salvatore @
430 Monaco Anthony
Angelo Santi Peter
432 Tortora Anthony
Mombrea Michl J
434 Monroe Jesse
Martin Margt
Harp Garfield
Deas Fernandes Antonio
David Thos
Hightower Luberta
438 Mastroicovo Michl
Sims Cornelius
440 Perrello Casper auto reprs
448 △Smith O Roy auto reprs
452 Slaughter Mell
△Cukus John
454 △Marconi Paul P @ restr
462 Cremena Pasquale @
Spinella Jos D
464 King Saml
Maniscalco Vito
466 Viola Jos
△Viola Jos J restr
468 Vacant
470 △Hex Mfg Co novelties
474 Santoro Jos A barber
Lillard Thos
Santoro Jos @
476 Lillard Moses
480 △Pepe Mary L @
Alabama ends
487-93 △Intl Harvester Co
490 △Gruttolori Jos J filling sta
Spring begins
495-97 △Hubbs & Howe Co whol paper
499-505 △Standard Milling Co
513 △Marshlow Corp whol gros
514 △Burt F N Co Inc box mfrs
515-41 △H & N Bakers Supply Co
△Keystone Warehouse Co storage
△Wholesale Mart Inc
543 △Andrew Paper Co
Hamburg intersects
551 Spinella Mary restr
Jefferson av intersects (not open)
NYCRR underpass
40
621 △Kenland Inc (power hse)
669 △Gerry Provision Co
Larkin ends
680 801st A A F Specialized Depot
696 Vacant
698 △Engine Co No 32
700 △Hook and Ladder Co No 5
701 801st A A F Specialized Depot
706-08 △Lewis John W auto paints
VanRensselaer ends
cor △Semco Furn Corp
709 Vacant
716 Vacant
721 Vacant
725 △Voght Geo L fill sta
Swan ends
Emslie begins
738 △Marine Trust Co (Seneca Br)
△Ryerse Oscar G dentist
△Lynch Chas V Agcy ins
△Good Stuart A phys
741 △Deco Restrs Inc (br)
742 △Thomas Thos restr
Nichols Wm
Glowacki Stanley J
744 Emele Nicholas contr
White John
745 △Horse Head Inn
746 Chowaniec Walter confr
748 △O'Connell Jos R liquors
McManigle Jennie Mrs
755 △Kellers Pharmacy
△Cohen Albert L
Bridgeway Elmer
Irvine John
△Collins Frank
△Burstein Jacob phys
756 The Dog House restr
Kowalski Walter
757 Harding Wm B fur repr
759 △Fohl Chas F meats
Langness Vernon D
760-64 △Winkler F X Sons gros
Winkler Frank X
763 LoGrasso Jos barber
Malichi Edw
766 △Hydraulic Mutual Sav & Loan Assn
Freeman Alf G
Ramey Chas G
767 Vacant store
Melnyk Alice
768 △Franks E A & Son hdw
Wojciechowski Wladyslaus
rear Sullivan Jos
770 Dudzick Alice restr
771 Buffalo Mattress Co Inc
Szlis Paul B
772 Vacant
773 Vacant store
Parcheta Jos
775 Vacant
777 △Miller Bernard G confr
779 Vacant
780 △Bartkowiak Chas M barber
Mylarz Lottie beauty shop
△Baker Genevieve
Lynch Chas J
781 △Buffalo Post Office Station D
Hydraulic ends
782 Harbison Susan Mrs @
784 △Hydraulic 5c-$1.00 Store
Alexander Arth
Husark Alf
788 Vacant
789 △Girls' Preparatory Sch
790 Mocarski John J
Angelo Santi
Boraski John
792 △Terry T L Inc jwlrs
△Gumblaw Eliz K
794 Vacant store
△Herold Frank @
797-807 △Dollar Dry Clng Co Inc
798 Bratchell Pearl Mrs
△Czolgosz Adam E
800 Kind Walter
rear Kester Raymond
802 Noon Mary F
811 △Kraft Dora E Mrs @
813-15 Dollar Dry Cleaning Co Inc
817 Bianka Josephine gro
Machowicz Frank
Scheer Chas
819 Paluch Andrew gro
rear Kalinowski Michl
Remiszewski John
823 △Considine Leo E @ gro
Griffin ends
Lord begins
829 △Gladkowski Frank @ restr
rear Hergenroder Irene E Mrs
831 Vacant store
Monica Kath
Pietruszka Tonty
832 △Hamilton Fleet Wing fill sta
833 △Bialy Lawrence barber
Bialy Stanley
Gubala Chas
837 Vacant
Kuscan Michl
839 Vacant store
Stenkiewicz Jos
840 △Blocha Hariton @ restr
Kosowski Jos E
843 Vacant
848 △Jalowski Walter tobacco @
849 Battaglia Jos barber
Woodworth Adell
Smith Wilbert
rear Sutherland Robt
851 Szczepanski Leonard
Glowacki John
852 △Smutek Magdalene Mrs @
Boyle Norman
853 △Strzena Peter @ barber
Oleski Julius
Adamuk Martha
rear Walasz Alex
857 Przyspasniak Caroline Mrs
△Borodzik Louis
Stoklosa Cath
860 △Contractors Ornamental Steel Co Inc
863 Szumeil Peter
Borodzik Jos restr
Rogalski Stanley
864 Cherner Ludwig
rear △Wolff Chas J
Middaugh John
Chevirnt Louis
865 △Biniolas Manuel confr
Borkowski Mary Mrs
866 △Kazmierczak Louis @ real est and steamship agt
Kazmierczak Louis T
867 Yonsik Stanley tailor
Zientek Matthew
870 Wolaszyn Adam
871 Belaski Adam @ billards
872 △Nowak Agnes gro
rear Zak Jos
873 Dengos Walter musical instruments
874 △Gertz Frank @
875 △Dengos Walter @ restr
876-78 △Mills & Son elec equip
877-87 △Liquid Carbonic Corp soda fountain supplies
886 △Marlow Frank @ liquor
Swalski Walter
888 Kowalski Bernice gro
Weaver Richd A
889 △Sliva Jos
Gasinski Sophie
Tomkowski Walter
Taczala Estelle
Sousa Jos barber
Jankowski Sophie
891 △Joes Radio Store
892 Chmurzynski John shoe repr
894 △Mach Vincent @ restr
Fillmore av begins
Smith intersects
903 Solomon John J jr confr
906 △Moslow Arth @ restr
910 Olszowka Michl @
Piechnik Stanley
912 Vacant
914 Euscher Luella Mrs
rear Barug Thos
916 Pankowski Andrew
rear Joice Jas
Erie RR underpass
76
935 Gutek Mary Mrs
937 Kurchingko John
940 △Buffalo Hardwood Lumber Co
980 △Bittner H A Co coal
NYCRR underpass
1035 △Pierce Grain Corp
△Transfer Elevator Corp
1043 △Schurr Carrie
1055 △Atlantic Lumber Co The whol lbr
1073 △Stott Robt A @
1077 △Quinn Patk J @
1079 Orr Thos
Peabody ends
1087 Salesmann Chas
1089 Tober Rudolph W @
Stebbins Agnes M Mrs
1095 Nagle Mary M Mrs gro
Intrabartolo Frank @
Morabito Saml barber
1097 Fodera Camillo shoe repr
1100 Vacant
1101 △Baran Victoria Mrs
Hartmetz Richd
rear Wilanoski Valentine
Kinsella Anna L @
Walter ends
1115 △Kaczmarczyk Mary Mrs restr
Kaczmarczyk Stanley
△National Lumber Co
1117 Bachara John W @ restr
1119 △Donohue Michl @ confr
Smith Edw
1121 Mauiucci Jean Mrs
Keough Thos A
Hauser Margt D
Rohauer Alston F

SENECA—Contd
1123 Vacant
Vacant store
1131 Vacant
1132 △Westinghouse Elec Corp (service dept)
1133 Vacant store
Ellis Mark R
Maurice ends
1139 △Widmann Chas L
Fortin Mary C Mrs
Mabel & Franks Delicatessen
Zielski Frank
1143 △Murphy Viola Mrs beauty shop
White Thos A
Litzburg Fredk radio service
1145 △Lotz Alice M Mrs @ variety store
1146 △Robinson Clay Products Co
1148 △Elk Filling Corp (br) fill sta
1149 Dreyas John B
1151 △Korzeniowski Victoria K Mrs gro
Korzeniowski Paul @
Wolkiewicz Henry
1155 Wackowsky John J @
Wackowsky Stephania restr
1159 Bihr G & Sons gro
Keach Harvey J
Orlando ends
1164-68 △Arber Frank H & Son contrs
△Seneca Paint & Hardware
Goodwin Lawrence J
Haight Lucy M Mrs
Frew Harold J
1167 △Carney Cornelius J
△Penquet John @ delicatessen
1169 Bugin Saml S tailor
Wasson begins
1173 △Doyle Jos C @
1175 △Arndt Albert L @
1177 △Stewart Emma Mrs @
△McCarthy Wm D
Quinn Patk J
1179 Quinns Liquor Store
1181 △Royal Cash Market meats
Byers John I
1182 St Matthew's Protestant Episcopal Church
1183 A & P Food Stores (br)
△Moore Wm J
1186 Walker Louis @
△Meeks Mary Mrs
1190 Oakdale Theatre motion pictures
1191 △Police Precinct Sta No 9
1192 △Babcock Grill @
Babcock intersects
1199 △Danahy-Faxon Stores Inc (br) gros
1200 △Boughton Seymour K @ restr
1201 Trimarchi Carl T barber
1202 △Boughton Seymour K bowling alleys
1204-06 △Quality Home Bakery
1204 Wood Raymond
Kenney Mary L
1205 Vallas Ice Cream Parlor
1206 Partington Geo W
Tychinski John J
1207 △Wilson Walter H chiropractor
1208 △Kujawa Henry A delicatessen
△McGreevy Emma Mrs
△Rickard Thos A
1209 Dengos Andrew F
Carroll Bridget
1211 Raszman Raymond D
Bardo Albert G
1212 Oefner Mary Mrs
1214 △Sherman Jos phys
△Bridgewood Daisy M
Bridgewood Ernest L
1215 Marcyniak Teckla Mrs @
△Bartels Wilfred C
Laasch Fredericka Mrs
Laasch Helen M drsmkr
Makohon Andrew
1218 Seneca Street Methodist Church
1219 △Nelles Geo O
1221 △Drews Anthony F drugs
Wohlhveter Howard E @
Imson intersects
1231 Brock Tractor Co
1232 △Pilato Jos O
1234 Re-Nw-It Cleaners
1234-38 **Grady Bldg**
(For occupants in apts see 91 Imson)
1236 Vacant store
△Ginter Edw C
Keenan Ellis W
Crispin Bert C
Donaldson Merele F
1238 Vacant
Fox Arth E
Harding Neil
Miller Thos
McHenry Chas E jr
1239 △Murphy Anna Mrs @
Duffin Howard C
1240 Harding Neil
Cannisi Peter shoe repr
Manger John F jr
1241 McCullough Sarah M
1244 △Sullivan Edw J
Oakdale pl ends
Troupe begins
1259 Howell John D
Laney Wm A
1261 Morrissey Jas
Regman Chas H
1263 △Decker Chas F
Keenen Nelson H
1265 △Stott Jos R
White Leonard

EXCHANGE ST 1940

EUREKA PLACE—Contd
57 Kovach Mary M Mrs 1 ◎
Jones Frank A 2
Forsberg Thos S pntr
62 Rainey Jas A 3
Brooks Mattie R Mrs 3
63 Belloma Jos R 5
Galley Frank J 2
rear Todaro Jos F 5
65 Frazzitta Dominic 2
Lentsch Jacob C 4
67 Huebbers Louis 8
Genesee intersects

EVADENE — From 143 Englewood av northeast to Montrose av
14△Werner Elmer F 4
△Chetney Naomi 1 ◎
17 Leydecker Matilda C 2 ◎
18△Riegel E Raymond 2 ◎
21△Rauls Albert P 4 ◎
22△Page Edw J 2 ◎
25△Carpenter Henry C 2
26△O'Neill Geo V 2 ◎
△Wood Arth L 2
27△Powers Leonard P 4
Devine Hugh J 5
28 Flint W Carl 3 ◎
Montrose av intersects

EVANS — From Northeast to 70 Terrace
6-24△McDougall-Butler Co Inc paint mfrs
28 Vacant
Fly ends
29 LiVorno Jos 6
Palladino Jas 5
31 Vacant
33 Vacant
35 Chiarello Paolo 6
Lucarelli Domenico 2
37 Cardinale Frank 2
39 Schioppa Dominic 1
Peacock begins
45 Vacant
47 Vacant
Dante pl intersects
66 Vacant
68 Vacant
Terrace intersects

EVANSTON — From Sibley east to Julius 1 south of Downing
Augusta begins
58 Corbran Alf 3
McClellan Harvey 2
62 Spengler Henry W 9
Shea Patk 3
63△Murray Timothy J 6
67 Szewczyk Andrew S ◎
Julius intersects

EVELYN — From 355 Esser av southeast to NYCRR
11 Ollari Moricz 4 ◎
Leighton Francis L 4
15△Cosgrove Thos W 4
△Hickey Edw E 4
19 Williams Herbert 4
△Kingsbury Albro L 4
21 Keil Wm G 2 ◎
41 Flood John J 3
45 Reynolds Edwin E 5
46 Glor Leonard 7
49 Fearon Harold J 6
50 Guenther Arth E 5
51 Kirschner Cornelius L 4
52 Wonnacott Robertine P Mrs 4
54 Allen Ralph 7 ◎
55△Francis Alex 5
56 Brown Clarence J 5 ◎
57△Harvey Clayton J 4 ◎
△Tooley Gordon H 3
△Tooley Transportation Co moving
58 Huff Leo S 3 ◎
△Murphy Jos D 2
61△Gunning Herbert 6 ◎ pntr
62 Schamberg Geo B 2 ◎
Navadel Geo M 3
63 McCarthy Peter 4
64 Jung John 2
O'Neil Loretta Mrs 2
67 Thasenvitz Otto 4
68 DeGrasse Edw 3
69△Thompson Oliver J 4
70 Hanaka Frank 6
73△Downes Arth L 3
74△Flierl May E Mrs 2 ◎
75 Marvel Harold P 2
76 Bastian Alvin 6
79 Sander Louis J 2 ◎
80 Sheffield Floyd V 5
81 Morrison Jas W 4
82 Maricle Frank E 4
Ontario intersects
116△Kish Jas 4 ◎
120△Lengel Frank 5 ◎
121 Jalsevac Robt 5
123△Yelenik Albert 4
126 Ginter Andrew 6 ◎
127 Daniels Cath Mrs 7 ◎
128△Bernel Peter 4 carp contr
131 McGee Anna Mrs 4 ◎
132 Pearson John H 5 ◎
133 Magyar Michl 3
134 Konocsol Steph 5 ◎
138 Barnes Raymond M 5
139 Bota Jos J 4 ◎
140△Weissleader Howard 5 ◎
144 Breitwieser Robt L 2 ◎
145 Sullivan Thos 2 ◎
146 Martin Henry 4 ◎
Drumb Elmer 2
149 Weller Chas A 4
151 Reuillard Camille J 5 ◎
153△Griffin Ella M Mrs 4 ◎
NYCRR crosses

EXCHANGE — From 171 Main east beyond Selkirk (not open between one blk east of Hydraulic and Smith)
10△Seafarer's Intl Union of N Am (AFofL)
McFstridge Theo E 1
12 Mercurio Jos shoe repr
14△Frontier Glove Co Inc The sporting gds mfrs
Girard Anthony restr
22 Laszewski Thaddeus filling sta
Washington intersects
48△Monarch Builders Inc
△Schifferle Geo E genl contr
50-52△Frasse Peter A & Co Inc steel
54-58△Hotel Avon
58 Young Geo C 2
Ellicott begins
74△McFarren Robt M adv
78△Queen City Photo Engraving Co
80 Vacant
82-84 McFarren Robt M (whse)
86-88△Root Press printers
Wells begins
130△Arlington Hotel Restaurant
136△Arlington Hotel
McLeod Hotel Co Inc
△Trapani Dominic railroad contr
142 Vacant
152△Pallatto Nicholas cigars
Snyder Paul 3
154 Vacant
156 Vacant
158-60△Montgomery Dan Hotel
△Montgomery Danl 2
162△Prior Henry J filling sta
176-78△Central City Hotel
Barone Casper 4
Michigan av intersects
Chicago overpass
Louisiana overpass
Alabama intersects (ss not open)
Hamburg overpass
565-67△Craver-Dickinson Seed Co
568△Guzdek Bebbeanna Mrs 3 ◎
Wagner Walter H 3
578-86△Oppenheimer Alan D Inc waste
Jefferson av begins (not open)
600△Great Lakes Transit Co Inc (yards)
650 Iroquois Door Co (garage)
659△Iroquois Door Co sash and doors
Larkin intersects
ss cor△Wabash Ry Co Buffalo Terminal Division
VanRensselaer overpass
nw cor△Interstate Motor Freight System
Hydraulic intersects (ss not open)
(Not open between one blk east of Hydraulic and Smith)
Smith intersects
927 Vacant store
Strauss Helen A 3
929 Dziedzic Andrew A 5 ◎
931 Cielesz Jos
Rapa Michl 1 ◎
933 Zak Martin 2 ◎
Doty Paul S 2
Andrew alley ends
936 Nowicki Bernard L 4
938 Setlock Jos A 5
Pawlak Walter 6
939 Wilson Mary A Mrs 3
Riedel Florian 4
941 Zielinski Jos 6
Obremski Edw 5
945 Blazkiewicz Stanley 2
△Sluchan Roman 7 ◎
Sordyl al ends
949△Szczepanik Michl 5 ◎ gro
Nowicki Frank 3
951 Kobus Stanislaus 6
Prusinski Constantine 4
rear Zuber Jos K 5
Chmiel John V 3
955 Bednarz Philip 10
Walowich Wm F 4
rear Kicinski Edw M 6
Czechowski Josephine Mrs 2
961 Goodman Robt C 3
Cyrulik John 5
963△Solomon John J 6 ◎
Klinko Kath S Mrs 1
Mott Wm 2
965 Zak Walter J 5
967 Vacant store
Jaworski Wm 4
Daytona al ends
969 Skorupski Emil E 3
979 Lester Jas E 3
Morlack Aloysius P 4 ◎
981 Isobel Susan F Mrs 2
Minnick Wesley 2
983△Podgorny Vincent 8 ◎ gro
Suchan Thaddeus 2
991 Lofek Frank 3 ◎ gro
Selkirk ends
995△Szczepanik Victoria Mrs 4 ◎ restr
Stachura Max 2
997 Grochol Vincent 4 ◎
Szczpanik John L 3
999 Denek Steph 9 ◎
Kowal Adam 6
rear Meniat Frank 2
Zielinski Chas 2
1001 Szczepanik Jos M 6 ◎
Minorczyk Walter 4
rear Mydlarz Stanley 5
Lewandowski Steph 2

EXPRESS ALLEY — From 218 Pearl west to Franklin
(No houses)
Franklin intersects

FAIRCHILD PLACE — From Linden av north to 1183 Hertel av
1△Brossway Margt M 5
2 Erwin Wm D 3
Fults Robt O 3
5△Soibelman David 5
Anderson Eric T 2 floors
6 MacQuarrie Christine 6 ◎
9△Skummer Valentine E 4 ◎
10△Peck Ray E 3
Weber Harry W 2
15△Corcoran Egg P 5 ◎
16△Marshall Wm H 4
Aiden Leonard J 2
17△Flora Wm C 3 ◎
18 Zangerle Minnie Mrs 4 ◎
△Chase Chas F 4
19 Carpenter Wilbur L 3 ◎
△Ridderstrom Ralph K 3
piano tuner
20△Brown Howard H 3
△Dallman Arth C 5
23△Barry Genevieve 2
nurse
△Boyd Nelson H 3
White Alice nurse
24△Maddigan Patk J 4 ◎
27 Carpenter Chas H 2 ◎
△Britton Danl W 3
28△Connolly John J 4
29 Fay Bessie M Mrs 2
30△Onions Geo B 5 ◎
Tiona begins
33△Markwardt Edw E 2 ◎
△Brodie J Herbert 3
37 Brink Edw A 4
Steller Jas W 4
39△Koerner Wm J 7 ◎
Blackmer Frank 4
40 McKernan Anne 1 ◎
Schrader Floyd 3
43△Jones Thos J 5
Stucht Jos F 3
44△O'Connell Jos J 5 ◎
45 Howe Wm S 7
Fawcett Robt 3
48△Lund Roy 5 ◎
49△Fontana Santina Mrs 2 ◎
McCormack Jas 3
52△Parker Gertrude C 2 ◎
△Hewett Fredk L
53△Woeller Veronica P 3 ◎
△Elsheimer E Raleigh
54△Heavey Martin R 3 ◎
57△Rodgers Thos J 7
58△Seymour David A 4
Glazier Geo S 3
59△Smith John L 3 ◎
△Williams Stanley D 3
62△Schall Frieda P 1 ◎
△Jones Edw H 3
63△Rose Margt 2 ◎
65△Bristol Harry G 4
66△Buyers Wm A 2 ◎
68△Riddell Ralph B acct
Dakota begins
69△Grube Ray B 3
71△Daley Eliz R 1 ◎
△Cullen Geo 3
75△Gilbert Chas Z 2 ◎
△Green Jas R 3
78△D'Arcy John L 7
79 Magin Edmund G 9
83 Bearss Stanley L 3
Hooker Fredk 3
84△Coughlin Francis H 2 ◎
85△Moran Edw J 3
O'Neill Margt 2
88△Fruedenberger Philip 2 ◎
89△Forrest Anna C Mrs 2 ◎
91△Haag Benj G 5
△Popp Howard M 3
92△Babcock Richd E 2 ◎ lawyer
95△Reustle Carl 3
96△Robertson Bertha S Mrs 2 ◎
△Fischer Martin G 3
98 Giles Ray C 4
△Manning John J 3
101△Bruce Radio Service
102 Schreiber Edw J 3
△Deeney Margt E Mrs 3
103△Babies' Formula Inc milk preparation
Hertel av intersects

FAIRFIELD — From 2516 Main northwest to Amherst
14△Darling Geo O 2
△Welzel Geo C 3 ◎
16△Stiles Leah A Mrs 6 ◎
△Ranahy Lena M 1 nurse
18△Foley Dennis B 2
22△Cripps Percy C 3 ◎
24△Thompson Jas A 5
Douglas Clara B Mrs 2
25 Caher Patk J 7
26△Perry Douglas D 3
McGuire Hilton J 4
28 Storey Cecil E 4
34 White Carrie S Mrs 3
△Magee Almina L Mrs 1 drsmkr
35△Jensen Fredk 2 ◎
36 Moffett Effie B 3
Fish Carrie Mrs 3
Becker Mary 1
39 Russell Jas 5 ◎
40△Evans Edw R 2 ◎
42△Smith Coulling J 3 ◎
△White Helen P Mrs 2
44△DeCoux Danl J 4 ◎
Spray Fredk J
50△Alf John A 5 ◎
54 Lipp Dora Mrs 4
Orchard place ends
57△Neeler Henry A 3 ◎
Pfau Willis W 5
58△Gatt Walter I 3 ◎
59△Monan Agnes 1
60△Jettas Dean C 4 ◎
62△Willis Jay S 4 ◎
△Sweeney Mae 2
63△Wallace Georgina M M Mrs 6 ◎
68△Gilliard Saml A 4
△Morran Lillian Mrs 2
69 Vacant
70△McGovern Nell 2
△Clancy Lee E 3
71△Bakos Walter 5 ◎
72 Vacant
73△Gaffney Marie W Mrs 5
75△Spann Louise J Mrs 2 ◎
76△Meidel Jos F ◎
△Wortman Edwin S 2
78△Davison Robt J 3
82△Haren Terrence F 2 ◎
△Ellis Anne H Mrs 3
84△Becker Edith Mrs 2
△Johnson Walter T 3
88 Champlin N Harry 3
△Swigert Chas A 5
Vernon pl intersects
92△Wetzel Lillian A Mrs 4 ◎
△Pentland Thos J Rev 2
94△Herlan Rebecca M Mrs 3 ◎
98 Polder Reuben 4
100△O'Neil Mary 2
103△Jahnus Elmer F 3 ◎
104△Movnihan Eliz M 9 ◎
105△Straub Wm P 3 ◎
106△Maher Cornelius F
Wilhelm Florence H Mrs 3
107 Nichols Minnie J Mrs 3 ◎
109△King Maude D Mrs 4 ◎
110△Bebee Earl N 3 ◎
Robbins Hoyt A 2
△Quinn Jos P 7
112 Wieland Jas 2
△Lane Richd 2
116△Lapp Ervin A 6 ◎
122△Sheehan Robt 3 ◎
Nordensson Roy A 4
124△O'Neil Kath L Mrs 2 ◎
Lacey Mary L Mrs 1
Amherst intersects

FAIRVIEW AV—From 2302 Seneca northeast ½ block
13△O'Brian Chas A 5 ◎
14 Cavanaugh John D 5 ◎
15△Butler Albert C 6
16△O'Donnell P Jas 7 ◎
19△Maloney Frank J 4 ◎
20 McConnell Willard G 2 ◎
21△Wulke John J 3 ◎
22△Foster Dena E Mrs 5 ◎
25△Kless Victor J 4
26△Shearer Harry N 9
28 Burr Eug K 2 ◎
△Impey Arth W 2
29△Arthurs Geo W 3
Sharrow Steph V 3

FARGO AV — From Hudson northwest to Niagara
3 Cino Jos 6
Lagutta Frank 8
6 Vallecorse Jas J 4
Merolla Mary Mrs 2 ◎
7 Vitanza Thos 6
Rudeno Jos 2
11 Morrison Jerome 16
14 Semaroha Chas 5 ◎
Picone Anthony 4
Menga Nicholas 2
rear Giangrosso Francisco 2
Celeste Jas 2
15△Cannizzaro Annuncio 7 ◎
16 Contino Jas 3 ◎
Parisi Steph 6
19△Mendola Chas 4 ◎
Terragnoli Luigi 7
20 Sparcino Russell J 2
Montana Peter 4
23 Naples Peter 3
Rinaldo Leonard D 5
△Naples Anthony J 7 ◎
Zaceagnino Paul 7
24 Occhininti Paul 4
Thomas Danl J 6
27 Cotroneo Geo 5 ◎
Cotroneo Carl 3
rear Vaccaro Thos 2 ◎
28△Thomas Chas A 6
Mastrorilli Nicholas 6
31 Rizzo S Saml 3 ◎
△Rossi Rino 3
Rizzo Jos 2
rear Vecchio Jos 5
Fiorella Jos 3
32△Menge Edw R 3 ◎
33△Fiorella Frank 3 ◎
DiPaola Jerome 5
34 Duffner Anna M 3 ◎
36△Doepp Eug J 11
39 Cosello Albert 3
Carlisle Homer 4
△Mancuso Peter 4
40 Novo Manuel 11
41 Welch Herbert 4
Killon Albert 4
42 Aquilina Leonard 6 ◎
Greco Salvatore 3
44△LaGreca Philip 4 ◎
Cascio Louis 2
46△Marrow Jos 5
Bellanca Saml 5
47△Mazuca Michl 10 ◎
Pugsl Jos 9 ◎
49△Scheffler Henry E 2 ◎ pntr
52△Parisi Frank I 4
△Bellanca Russell F 3
Pennsylvania intersects
70△Calandra Vincent A 6
78 Apartments
2 Conte Jos 5
3△Rogers Danl A 3
4 Piciulo Victor 2
5△Seuling John J jr 2
6 Abbarno John S 2
Street continued
79 Corniglio Frank 5
80 Rescignito Jos M 3

FARGO AV—Contd
81 Cutrona Josephine Mrs 4 ◎
Noshay Edw 4
△Mazilla Michl E 8
82 **Apartments**
1 Sciolino Chas R 4
2 Kubiszyn John H 2
3 Teresi Chas A 2
4 Maneuso John 1
5 Philippone Vincent 5
Street continued
84 Vacant
85△Pellgrino John S ◎
D'Amico Philip 4
Maggio Carmelo 3
88△Luongo Danl M 6 ◎
89 Dolce Dominica Mrs 2
Tauriello Frank 5
90 Ruggieri Nicholas 2 ◎
Lano Saml J 3
△Lunghino Michaelengo 3
92△Barone Angela M 2 ◎
Inguaggiato Geo 2
93△Walsh Susan Mrs 4 ◎
96 Turchiaralli Anthony 6
97 Vacant
99△Hynes Vincent M 2
Scozza Louis 2 ◎
100△DeDominicis Rocco N 4 ◎
102△Marion Francis R 5 ◎
105△Lapetina Burt 3
Termini Isadore 3 ◎ mus tchr
Termini Chas mus tchr
106 Frederica Russell 4
Campo Angelo 3
108 Mogavero Illuminato C 4
△Nigro Angeline Mrs 6 ◎
Ruggierro Jos mfrs agt
109△Martina Chas I 3 ◎
112 Tronolone Vincent 12
Siaia Anthony 6
115△Wales Kathryn B Mrs 4
△Clancy Jas 2
118 Ciallella Danl V 6 ◎
△Nicosia Frank C 5
119△Mahoney Anne Mrs 1
121 Leto Anthony J 7
122△Galvin Martha M Mrs F 7 ◎
Roy Cornelia 2 ◎
126△Connelly Arth H 6
128 Montana Leonard 2 ◎
△Montana Jos L 5 trucking
Inquazziato Jos 5
△Fadel Jos gro and meats
Jersey intersects
148 Marciano Chas 5 ◎
Alessi Vincent 4
151 Yamarino Bartholomew A 6 ◎
152 Vacant
154△Serio Carmelo L 7
Serio Henry 3
154½ Balistreri Dominick J 3
Luzio Albert V 5
155 Rodriguez Jos 3
Ruiz Jos 5
△Siracuse Frank 2
Leavers Geo E 4
157 Taschetta Angelo 3 ◎
158 Guzzetta Geo 6 ◎
Fiorella Sarah Mrs 2
161△VanDusen Josephine C Mrs 3 ◎
162 Silvestro Danl 5 ◎
△Bellissimo Frank J 3
163 Naples Nicholas 5 ◎
Pelosi Nicholas M 5
164△Fiorella Anna S 2
Vetrano Jos 5
rear Marchinda Louis C 4
Augustino Nicholas 2
166 Moretuzzo John 3
Glasstone Harry 2
167△Weller Wm 2 ◎
168△Rizzo Leonard 4 ◎
Bova Angelo 8
Failla Annunzio 2
171 Pecoraro Anthony 4 ◎
172△Semenza Thos G 5 ◎
Panara Jos J 3
173 Balistreri Anthony 10
Flaminio Gaetano 6 ◎ mason contr
Flaminno Anna L drsmkr
174 Thomasula Grace Mrs 2
Muffoletto Anthony 2
△Conciardo Jos 2
174½ Thomasula Louis J 2
Ciovacco Caesar 4
175 Ippolito Fred 9 pntr
△LaRusso Philip 5
175½ Marasciello Jos 5
Brookman Edwin C 1
178 Grisante Saml 3
Querico Jennie 2
179 Simari Anthony 7
180 Gianturco Jas 6 ◎
△DelPaolo Rocco 4
181 Mazzuca Ernest 4
Enright Libbie 1
182 Guglielmo Domenico 7 ◎
Yungora Angelo 3
183 Aquino Ralph J 7
186 Barone Rosario 5
LaBella Vito 7 ◎
187△Werkley Jacob H 4
189△Rothaug Christina M 2
192 Bartlett Elf E 2
Porter intersects
238-54△American Palace Laundry
△Blo Genl Laundries Corp
260 McCrobie Geo 5
Mesler Chas L 6
Connecticut intersects
277 Oates John P 2
Arno Jos R 3
281 Rizzo Carl L 8
Summers Jos 2
283 Scott Kath E 1 ◎
Stone Chas B 2
284 Stauber Geo M 3
285 Taylor Minnie E Mrs 1

HAMBURG ST 1940

QUALITY MILLWORK

HAMBURG—Contd
185 Fleming John T 5
189ΔMcNerny Eliz Mrs 4
Morgan Amelia Mrs 2
190 Wojtasik Frank 8 Ⓞ
191 Michel Victor 6
192 Mueller Isabel Mrs 2
Polo Arth 3
193 Fitzgerald Chas T 10
Roeler Kath I 1
197ΔFitzgerald Margt Mrs 2 Ⓞ
ΔBolt Wm J 3
rear Lennon Mary G Mrs 3
198 McElligott Edw L 8
rear Stencel Rose Mrs 2
200 Spencer Fredk W 5
Kohm Emil 2
201 Walsh Mary 1 Ⓞ
rear Connolly Jas M 4
202 Jedrysik Stanley J 4
203 Fitzgerald Loretta M 1
Smietana Andrew 6 Ⓞ
rear Pitt Wm G 4
204ΔJedrysik Jos 7 Ⓞ gro
Mazur Walter 3
Miami ends
205 Burke Michl J 3
Kennedy Andrew J 5
207 Miller Fredk J 4
211 Kelley Frank 1
215ΔCarney John J 4
217ΔSzermeta Michl 7 Ⓞ
Zielinski Walter F 2
219 Flynn Bridget 1
Helmer Conrad J 6
220 Vacant
221ΔAckerman Edw J 6
222ΔWaver Mary J Mrs 1 Ⓞ
Waver Herbert G 3 exp
224 Burke John P 2
225ΔEpavets Agnes J 3
Vende Anthony 5
Marks Thos 4
rear Dray Danl 3
226 Warren Everett 5 Ⓞ
228 Lis Wm 3
Siergiej Jos 7
rear Lukacovic Alex 7
229 Bowman Geo R 5
rear Gurney Jesse 3
230 Smereka Anthony 5 Ⓞ
Fletcher Fredk D 3
231ΔGriffin Thos A 7
Kirisitz Frank J 8
rear Leonard Charlotte Mrs 3
233 Scott Mary Mrs 5
Quinn Michl J 4
rear Chandler Susan R Mrs 4
234 Baniewicz John 2 Ⓞ
236 Zemko Victor 7 Ⓞ
South Park av intersects
264 King Wm L 5
265 Kelly Jas B 2
ΔMcMahon Maria 2
266 Frazzini Angeline Mrs 5
Coatsworth al ends
267 Ludwig Irving 3
Ellis John J 1 Ⓞ
ΔHayes David J 2
Ward Minerva Mrs 3
269 Edwards Chas A 5
Griffin Margt Mrs 1
270 Bellet Paul L 5 Ⓞ
271ΔMcGrath John J 5 Ⓞ
272 Downey Dennis J 2
273ΔWilson Danl 7 Ⓞ
274 Irish Anna Mrs 6
Cummings Wm A 2
275 Snashell Edw O 4
Brown John N 4
279 Bauer Anthony 2
281ΔKos Andrew 5 Ⓞ gro
Fulton intersects
289ΔWageman M & E Grocery
ΔWageman Eliz 2 Ⓞ
291 Butcher Walter 5
293 King Harry 5
rear Jurca Vincent M 4
294 **Apartments**
1 Vacant
2 Danahy John 3
3 Vacant
4 Vacant
5 Vacant
6 Vacant
Street continued
295 Kozlowski Walter 3
Kozlowski Konstanty 3 Ⓞ
297 Bujnicki Stanley 3 Ⓞ
ΔDevine John 5
298 **Apartments**
1 Vacant
2 Vacant
3 Vacant
4 Vacant
5 Vacant
6 Vacant
Stannard al intersects
303 McManaman John 4
Kniazuk Alex 2
305 Marszalek Frank 5
307 Polek Michl 5
312 **Apartments**
1 Morkis Rose 1
2 Mangan Mary Mrs 3
3 Vacant
4 Vacant
5 Vacant
6 Vacant
Street continued
316 **Apartments**
1 Vacant
2 Vacant
3 Vacant
4 Vacant
5 Vacant
6 Vacant
Perry intersects

330 **Apartments**
1 Shaver Jos 1
2 White Eliz Mrs 2
3 Suttles Edw 3
4 Vacant
5 Cole Darrell 3
6 Vacant
Street continued
333 Vacant
334 **Apartments**
1 Ross Jos
2 Compise Flora 1
3 Locking Edw 3
4 Peters Peter 4
5 Merrifield Allen 4
6 Bordanaro Michl 4
Street continued
335ΔO'Brien Dennis J 2 Ⓞ
Lehigh Valley RR overpass
Scott intersects
349ΔGlobe Plaster Co (yds) Kwietniak Walter 7
367ΔWhitmer-Jackson Co Inc sash and doors
390ΔBuffalo Sewage Disposal Plant
ΔBuffalo Engineering Dept (repair div)
NYCRR underpass
Railroad begins (not open)
Exchange underpass
Carroll intersects (not open)
NYCRR underpass
Seneca intersects
505ΔAtlantic Commission Co produce
Myrtle av intersects
519 A & P Food Stores (genl office and whse)
ΔGreat Atlantic & Pacific Tea Co The
Swan intersects

HAMILTON — From Niagara River east to 302 Tonawanda
1ΔGravel Products Corp (br)
Dana ends
9ΔGreat Lakes Chemical Utilities
Niagara intersects
30 Myers Edw W printer
Gehm Louis J 5
Gehm Thos M 2
32ΔEschborn Norma M Mrs 3 Ⓞ
33 Zimmer Michl J 5
41ΔHewson Chas D 5 Ⓞ
43ΔLeiter John 2 Ⓞ baker
Grozins Jas G 4
Dearborn intersects
59ΔRyckman Herbert A 2
61 Bittner Peter 7
62 Wolfley Eliz 1 Ⓞ
67-69ΔEhlers Chas A 3 gro
Gasper Jos 4
68 Vacant store
Graves Harold 10
East intersects
84 Oppel John 1 tailor
Bermel Nicholas 2
85 Boeck Helena Mrs 4
86 Rieger Peter C 3
Mills Lena 3
rear Hoffman Karl 6
87 Krawchuk Theo 6
rear Updike Chauncey O 2
89 Finsterbach Dorothy Mrs 7
rear Bihayko John E 3
90 Dzygun Wasyl 2 Ⓞ
Hussak Steph H 4
91 Salay Alex 2
rear Bates Carl F
92 Wargo John J 9 Ⓞ
Kocsis Louis 2
93 Marcotte Jean 5
Smith Wm 2
95ΔLurwig Frieda Mrs 3 gro
96 Bernhardt John 5 Ⓞ
ΔEndres Rudolph M 4
Hoffman pl begins
Hoffman al ends
100ΔGrgurich Jos 5 Ⓞ
101ΔHartmann Chas J 4 Ⓞ mosaic work
105ΔSteffan Oscar A 5 Ⓞ
Steffan's Dairy
Bachman Wilbur T 2
107ΔBecker Albert J 7 Ⓞ coal
Krysiac Jean 1
108 Juhasz Paul A 7
110 Klepp Leo M 7
Juhasz Jos J 3
111 Meade Wm E 5
113 Keprusan Geo 2 Ⓞ
114 Cassidy Levi M 4
Gaudy Lawrence M 5
115 Glasgow Jas A 2
116 Zimmer Frank J 5
Halsdorfer Steph M 2
119ΔWydysh Nicholas 5 Ⓞ gro
Thompson intersects
132 Zimmer Harold H 6
136 Feirich Louis E 2 Ⓞ
ΔSturner John C 2
142 Landel Jacob 3 Ⓞ
144 Barcikowski Clara Mrs 2 Ⓞ
Smith Byron D 4
Gorton intersects
152 McCarthy John L 5 Ⓞ
158ΔBlumenthal Ann 2 Ⓞ
Tonawanda intersects

HAMILTON BLVD (Kenmore)—From 3086 Delaware av west to Military rd
15ΔBoard Jas W 3 Ⓞ
16ΔRindfleu Carl J 4 Ⓞ
19ΔCramer Clifton W 3
20 Davidson Edwin E 5 Ⓞ
21ΔGordon Edw D 4 Ⓞ
23ΔTegler Edgar W 4
24ΔDown Clinton A 4
25 Vacant
27ΔFunk Jerome J 4 Ⓞ
28ΔCare Harry E 4 Ⓞ
29ΔMaloney Wm J 4 Ⓞ
30 John Emil A 4 Ⓞ
31ΔGeyer Chas J 3 Ⓞ
34ΔDill Thos A 4
35ΔCoghlan Thos J 3 Ⓞ
36 Durkin John H 2
37ΔKnights John R 2 Ⓞ
40ΔLoomis Leslie E 3 Ⓞ
44ΔZenner Kath R Mrs 2 Ⓞ
46ΔChapman Earl E 4
50 Hansen Wm C 5
53ΔGraf Wm A 3
Schroyer Nora L Mrs 1 Ⓞ
54ΔBartlemus Leo D 5 int dec
56ΔClegg Louis W 2
57 McGee Jas H 4
58 Woesner Howard A 3 Ⓞ
59ΔEllinwood J Donald 3 Ⓞ
60 Scanlon Wm J 3
63ΔTitus Allen S 2
64ΔAustin Mabel D 3 Ⓞ
Docker Robt E 2
67ΔWilson R LaVerne 5
68ΔDissington John C 5 Ⓞ
71ΔZiegler Carl E 2
73ΔTheurer Herbert G 3 Ⓞ
77 Bell Horace H 2
78ΔMann Arth W 2 Ⓞ
79ΔTaber Geo D 2 Ⓞ
Hood Arth S
80ΔKollwitz Caroline Mrs 2 Ⓞ
83ΔFord Adam J 2
84ΔNussbaum Fredk M 2
87ΔSweetland Harvey A 2 Ⓞ real est
88ΔCiccarelli Jos J 2 Ⓞ
89ΔSweet Chas W 2 Ⓞ
90ΔBarber Henry L 4 Ⓞ
93ΔSchwartz John H 3
94ΔBowers Paul E 4
97ΔParr Henry A 3 Ⓞ
100ΔWeideman Curt E 3
101ΔGardner Henry O 4
102ΔWallace Edgar G
109ΔRaiche Louis G 5
111ΔKrebs Chas 2
112ΔFink W Almond 4 Ⓞ
115ΔGarrigan Wm E 3
116ΔSaylor Chas A 4
118ΔHoag Arth R 3 Ⓞ
119ΔBriggs Fred A 2
123ΔCaskey Robt M 5
124ΔMoylan Robt L 7 Ⓞ
Elmwood av intersects
229ΔLangdon Vincent P 3
230ΔWilson Ernest T
233 Bessinger Hugo 5
234ΔBehrens Edgar B 5
235ΔForrest Robt W 4
236 Wendling Chas A 3
238 Stebler Albert J 4
239ΔBlanott Harold E 2 Ⓞ
240ΔKrueger Albert P 3
242ΔMcLeod Norman P 5
243ΔWestcott Harold C 5
247 Pisaro Frank 4
250ΔNeelon Thos J 4
251 Taft Herman 2
253ΔPartridge Lelan T 4
254ΔWhite Wm D 3
ΔCuthbertson John B 3 Ⓞ
257ΔMcChesney Cuyler S 2 Ⓞ
258ΔWilliams Victor J 3
260ΔWolf Philip G
261ΔGoetz Herman C 2 Ⓞ
264 Vacant
265 Cherulnik Jos 2 Ⓞ
268 Vacant
269 Shuttleworth Robt 4
270ΔFleming Jas P 5 Ⓞ
271ΔBerg Julius T 5 Ⓞ
274ΔPinner Ralph F 4
275ΔSmithmeyer Jos L 5
278ΔWadman Wm H 4 Ⓞ
279ΔTierney John 4
280ΔDay Geo F 4
281 Hodge Arth J 5
284ΔTulip Chas 5
285ΔWitte Richd E 4
288ΔWilson Randall E 4
289 Vacant
292 Smith Raymond A 5
293ΔAndrew Arth B 4
295 Walter Otto W 4 Ⓞ
296ΔSchiecra Wm R 5
299ΔGrist Wm C 4
300ΔWitzel Wm F 2 Ⓞ
Wilber av intersects
307ΔWisler Karl 3
308ΔHoffarth Louis C 5 Ⓞ pntr
311 Barnes John S 4
312ΔCalder Jas 5
315ΔMcQuaid Raymond J 3
316ΔWhite Robt M 6
319ΔRayher Eug 4 Ⓞ
320 Vacant
321 Papineau Armand J 5
322ΔOlson Milton E 2
323 Bloch Martin 4
Lucas Michl 4
326 Wilcox Wm A 5 Ⓞ
330ΔBarna Geo J 4
334ΔConta John J 5
336 Vacant
340 Vaughan Leonard G 7
342 Vacant
344ΔMoynihan Emmet 4
357ΔDowell Percival J 3
358 Vacant
360ΔColeman Fred J 4
361 Perkins Henry J 3
Hornsby Richd G 2
364ΔCorah Leo W 4 Ⓞ
365 Reid Wm M 5
367 Dickey Lawrence 4
368 Birkby John M 4 Ⓞ
371 Stanton Mary M Mrs 5
Hodge Harold A 4
372 Queen Clelland M 2
375 Martin Jos D 3
McCabe Robt R 5
Melrose av intersects (not open)
397ΔSturdivant Clayton E 4
Cammack Hugh 4
398ΔMcLachlan Jas 3
Browne Horace 3
401 Dean Burton 5
Ballantyne Jeannette Mrs 5
402 Remus Paul M 5
Handzo Jos M 4
406 Bunn Warren 3
Casey Robt 3
410ΔEasterbrook Francis J 5
Lettau Grace L 3
Military rd intersects

HAMLIN ROAD—From 107 Lonsdale rd east to Humboldt pkwy
1 Miller E F Sons Inc Bldg contrs
ΔMiller Harris F 3 Ⓞ
2ΔCooper Jacob 5 Ⓞ
5ΔAlfenbaum Saml 6
6 Shine Sol 2
ΔRosen Max 3
9ΔMackwirth Fred 4 Ⓞ
10 Schoenhorn John 3 Ⓞ
11ΔWunder Abr 5 Ⓞ
14ΔRuhl Edwin C 3 Ⓞ
Zehnder Wilbur E 2
17ΔSchneider Mary A 3 Ⓞ
18ΔBurley Jas H 2 Ⓞ
19ΔBrunner Jos V 6
20ΔRudman Geo J 3 Ⓞ
24ΔDressel Mayme M 4 Ⓞ
25ΔReavey Danl P 4
27ΔGoldman Albert A 2 Ⓞ
28ΔHealey Michl J 2 Ⓞ
31ΔGottesman Saml J 5 Ⓞ
32 McMullen Jas J 1 Ⓞ
ΔGrosskopf Howard C 2
35ΔWeinberg Max 6 Ⓞ
36ΔEdelman Benj D 3
Spear Knife Co
37ΔSchoen Julius F 6 pntr
38ΔWatson Peter W 6 Ⓞ
41ΔLallman Wm G 3 Ⓞ
42ΔLenzner Hyman 4 Ⓞ
45ΔEngel Harold J 2 Ⓞ
46ΔSchwenzer Frank G 3 Ⓞ
49ΔWittig Arth G 2 Ⓞ
50ΔSeeberg Henry 4
53ΔWarnhoff David 3 Ⓞ
54ΔTreger Morris 4 Ⓞ
55ΔTash Herman J 2 Ⓞ
56ΔFactor Morris H 2 Ⓞ
59ΔVowinkel J Chas 2 Ⓞ
60ΔHickey F Chester 2 Ⓞ
64ΔWexler Morris 4 Ⓞ
65ΔHintermeier Geo L 2 Ⓞ
67ΔRichard Isaac 4 Ⓞ
68ΔGaul Mary Mrs 4 Ⓞ
70ΔHoffmann Chester H 3 Ⓞ
71ΔEngler Chas 3 Ⓞ
73ΔWidmer Edw P 2 Ⓞ
74ΔFabisch Emil L 3 Ⓞ
77ΔStoker John S 2 Ⓞ
78 Daw Amelia W 5 Ⓞ
81ΔWoelfel Louis W 2 Ⓞ
82ΔGross Max 4
85ΔShine David 4 Ⓞ
86ΔChazen Benj 3
89ΔReuss Wm J 4 Ⓞ
90ΔStein Jos J 3 Ⓞ
93ΔFinkelstein Saml 5 Ⓞ
94ΔKelly John L 2 Ⓞ
97ΔRedstone Nathan B 6 Ⓞ
98ΔLang Jos M 3 Ⓞ
101ΔFraine Edmund T 2 Ⓞ
102ΔSchmitt Lawrence J 6 Ⓞ
104ΔHorwitz Nathan G 3 Ⓞ
105ΔBrauer Sophia Mrs 7 Ⓞ
Wohlers av intersects
114ΔNavagh Geo E 6
115ΔHorowitz Isaac 2 Ⓞ
ΔGrossman Leo D 3
117ΔRosen Frank 3
118ΔKeyser Jacob W 2 Ⓞ
121ΔSuttell Frank M 4 Ⓞ
122ΔStrebel Milton C 3 Ⓞ
125ΔBomm Jacob J 2 Ⓞ
126ΔWanenmacher H Chas 2 Ⓞ
Stack Thos J jr 3
129ΔScheur Nathaniel Ⓞ
130ΔLeuthe Rose Mrs 1 Ⓞ
Leuthe Alvin P 3
133ΔBrock Harry 3 Ⓞ junk
134ΔGerber Constant 4 Ⓞ

HAMLIN ROAD—Contd
137ΔFrank Philip 6 Ⓞ
ΔGoldstein Irving ins
138ΔGlaser Saul 6
139ΔBuckley Wm T 3 Ⓞ
142ΔTugg Benj S
143ΔFarber Chas B 3 Ⓞ
144ΔHenesey Frank H 4 Ⓞ
147ΔUlrich John M 3 Ⓞ
ΔUlrich Alf L phys
148ΔDietrich Girard A 3
151ΔLuippold Anna E Mrs 1 Ⓞ
152ΔTiberi Henry 6
155ΔFortenbough J Warren 4 Ⓞ
156ΔRoth Fredk E 2 Ⓞ
Hurley Jas F 3
159ΔDavis Harry J 4
160ΔWieman LeRoy J 4
163ΔKloesz Wm H 5 Ⓞ
164ΔWunsch Marie Mrs 2 Ⓞ
167ΔHopping Walter M Rev Ⓞ
168 Meegan Michl J 2
ΔMiller Arth L 1 Ⓞ
171ΔGinther Geo L 2 Ⓞ
172ΔKnab Jos 4 Ⓞ
175ΔLipson Wm 3 Ⓞ
178ΔFrank Herman L 3 Ⓞ
179 Mahler John 2 Ⓞ
182ΔChapman Roy M 3 Ⓞ
183 Simon Kath Mrs 1 Ⓞ
184ΔRosenberg Sidney 5 Ⓞ
188ΔKlenfelder Henry E 3 Ⓞ
191 Vacant
192ΔRappold Geo C 4 Ⓞ
195ΔFurminger Sarah Mrs 1 Ⓞ
199ΔWagner Victor 4 Ⓞ
202ΔPhillips Louis 2 Ⓞ
203ΔFoster John B 6
204ΔRindfuss Wm 3 Ⓞ
207ΔHahn Ernest J 5 Ⓞ
210ΔKilbert Frank jr 4 Ⓞ
Humboldt pkwy intersects

HAMMERSCHMIDT PLACE—From North Legion dr northeast to 1853 Seneca
29ΔCostello Michl D 7 Ⓞ
Hull Henry C 5
35 Cochrane Chas 4
Reed Archie R 2
38ΔMiller John T 5 Ⓞ
Stanton Joan E 5
39 Mergenhagen Fritz 3
Rost Anna Mrs 2 Ⓞ
40ΔSchulze Martha Mrs 4 Ⓞ
Wolf Aloysius J 3
42 Mahoney Simon J 3 Ⓞ
Hamilton Wm T 4
43ΔMartina Eliz A Mrs 4
44 Belcher Clayton R 4
Lindow Lee W 3
45ΔModen Ralph J 5 Ⓞ
49ΔBowell Elmer P 4 Ⓞ
52 Ball Mary A Mrs 5 Ⓞ
53ΔScherer Albert M 4 Ⓞ
54ΔJohnson Theo 3 Ⓞ
55ΔMack John E 2 Ⓞ
59ΔGarner Margt A 3 Ⓞ
60 Moriarty John J 5 Ⓞ
Hauserman Wm G 3
63ΔBurger Albert G 3 Ⓞ
65ΔKepple Nicholas J 2 Ⓞ
68 Dybowski Stanley A 5 Ⓞ
Glantz Gust A 4
69ΔErnst Fredk 2 Ⓞ
72ΔHipp Henry J 3
Anderson Fredk 3 Ⓞ
73 Creahan Thos P 4 Ⓞ
76 Drum Milton F 3
Diamond Window Cleaning Co The
ΔLoven Alf B 2
78ΔBarry Jas H 3
79ΔMcDonald Jas F 3 Ⓞ
80 Sutter Raymond E 4
Buckley Mary A Mrs 1
83 Helmuth Norman J 8
84ΔMiller Paul A 5
Golden Martin J jr
85 Florenzo Frank C 3 Ⓞ
Vullo Leo A 2
88ΔBredenberg Carl J 4 Ⓞ
ΔAnthony L Pearl Mrs 2
ΔFarrell John G 4
89ΔSwanson John 5 Ⓞ
90ΔNicholas Francis D 2
Clark Geo B 2
91 Smith Andrew J 2 Ⓞ
95ΔCaldon John J 3
ΔMcNamara John F 2
96ΔGatland Miriam I Mrs 3 Ⓞ
Griffin Jas P 4
97ΔNelson Aug N 3 Ⓞ
99ΔMahoney Mary 5
Schumacher Geo M 2
100 Breen John K 3
Windsor Henry W 2
103 Feeley Maurice M 5 Ⓞ
McCumiskey Wm J 5
104ΔMcMahon Michl J 3 Ⓞ
ΔChavanne Frank X 6
Chavanne Dolores mus tchr
105ΔTownsend Emily P Mrs 1 Ⓞ
108ΔCarter Thos W 3 Ⓞ
MacFarland Clifford S 2
Seneca intersects

EMPIRE STATE PRINTING & RECORDING CO

LARKIN ST 1940

INC. [redacted] 7900

LANDON—Contd
255ΔSimon Edw M 2
ΔMoser Lulu E Mrs 2
265ΔHauenstein Chas H 4 delicatessen
Woolsey Emma Mrs 3
Humboldt pkwy intersects
305 Ronde Paul 8
306ΔFortuna Jos J 4
Mullinnix Merrill 3
Fortuna Jos A mus tchr
308ΔMuck Chas 6 Ⓞ
ΔMislin Mary F 1
309ΔLang Christ J 2 Ⓞ
311ΔRedanz Robt L 4
313 Rosehart Oscar W 4 Ⓞ
ΔMcHenry Elmer W 2
316ΔMaurer Henry J 7 Ⓞ
317ΔHoffmann Edw A 4 Ⓞ
ΔRogerson Herman 2
318ΔSchreier Robt W 5 Ⓞ
319ΔMonks Clair L 3
Murphy Edw J 3
320ΔKratzer Geo 6 Ⓞ
321ΔStumpf Henry A 4 Ⓞ
window shades
Baumeister Frank A jr 3
323ΔMavis Margt E Mrs 3 Ⓞ
ΔBaumeier Raymond H 4
324ΔBenincasa Nicholas 9 notary public
328ΔMetz Fred 4 Ⓞ
329ΔWalther Edw D jr 3
Burke Edmund T 3
330 Senefelder Ernest M 4
331 Kohlelski Jos 2 Ⓞ
334 Bohner Alois S 2
ΔBaetzhold Chas 6
335ΔMackenzie Alex C 5 Ⓞ
338 Meyers Matthew P 4
ΔEngel Aug 2
rear Steger Christian A 2 Ⓞ
339ΔKramer Henry 2 Ⓞ
Fries Anna M 2
340 Blum Cath Mrs
341 Kress Frank M 3
344 Corliss Margt Mrs 4
345 Bach Victor H 1
ΔGutner Anthony
346ΔScheidt Martha H Mrs 2 Ⓞ
rear Kiener Philip J 4
347ΔKeller Rose M Mrs 3 Ⓞ
348 Brill Louis C 5 plstr contr
Armstrong Marion Mrs 2
Burnett Kenneth G 6
rearΔFlanagan Frank L 4 interior dec
349 Hartig Henry J 3
Schuhkegel Louise 1 Ⓞ
350ΔLinke Mary Mrs 1 Ⓞ
Smith Clarence F 2
351ΔRyan Edw S 4 Ⓞ
Kuhn Otto 4
353 Broede Cath M 2 Ⓞ
355 Bauer Edw J 2
356 Dorr Irving S
357ΔHarkins Ambrose R 5 Ⓞ
361 Battle Richd J 2 Ⓞ
ΔBehr Anthony 2 paper hngr
362ΔStJames Chas A 2 Ⓞ
363 Menning Clara Mrs 1 Ⓞ
ΔHanks Edw 3
365ΔMayer Emil F 2 Ⓞ
ΔOrts Willard P 2
366ΔDaigler Jacob F 3 Ⓞ
369 Bogner Frank X 3 Ⓞ
370 Schaefer Frank J 4 Ⓞ
ΔHarkins Ambrose B 2
371 Spinner John 3
Filer Harry B 3
372 Doeren Caroline 1 Ⓞ
373ΔWirges Cath M Mrs 2 Ⓞ
Busman Eliz Mrs 2
374 Pouthier Louis 3
Ruf Edw J 3
376 Shipclark Wm A 2
ΔMarkley Harland T 3
377ΔBush John 5 Ⓞ
ΔZimmer Susan M Mrs 1
378 Kieffer Jos M 5
Schaefer Mary M Mrs 2 Ⓞ
Fillmore av intersects

LANG AV — From 2347 Bailey av east to East End av
6 Vacant
17 Meminger Alf J 9 Ⓞ
18ΔTalmon Peter 5 Ⓞ auto repr
19ΔZurick Frank J 4 Ⓞ
20ΔSmith Wm J 2 Ⓞ
21 Ryan Thos J 2 Ⓞ
23 Peters Mary Mrs Ⓞ
Maiser John M 4
25 Vacant
Ericson av begins
27 Schultz Everett C 5
31 Lidke Theo A 3 Ⓞ
32ΔLewandowski Frank J 2 Ⓞ
33ΔSmith Eug W 5 Ⓞ
34 Engasser Emil A 4
36 Pelletier Elmer E 2
38ΔSuchan Chas A 13 Ⓞ coffee
41 Hassinger Philip A 2 Ⓞ
43ΔHerman Jos G 4 Ⓞ
44 Schramm Edw A 2 Ⓞ
45 Niedermayer Geo E 3
46 Miller Edw J 4
49ΔDambach John F 2 Ⓞ
Neuner Philip M 3
51 Gehrman Gustave H 3 Ⓞ
Roebling av begins
55 Krieger Marie Mrs 5 Ⓞ
59ΔBicherl Geo H 4
61ΔSentz Geo L 6 Ⓞ
ΔHogenkamp Cath E Mrs 3
62ΔMayne Grover J 2
63 Mohn Chas 2
66 DeWald Geo E 8 Ⓞ
67 Snyder Harry 3 Ⓞ
Beebe Harry E 3
68ΔSchoenlein Esther B 1 Ⓞ
69 Netter Anthony M 5 Ⓞ
70 Mergi Henry J 7 Ⓞ
Turner Harry 3
73ΔThurn Harry J 4
78 Diefenbach Christian 2 Ⓞ
Texas intersects
102ΔSkorupka Walter 4
Skorupska Carrie Mrs delicatessen
Roslyn intersects (ss not open)
103 Rohe Frank 3
105ΔSipson Karl W 3
109 Enright John E 5 Ⓞ
111ΔTowart John 5
ΔPeerless Painters & Cleaners
115ΔDahlke Chas W 4
Newburgh av intersects
Hagen intersects
Courtland begins
Hazelwood av begins
Floss av intersects
Rogers av ends
Weber av begins
Freund intersects
Fisher intersects
Erb intersects
East End av intersects

LANGFIELD DR — From 2751 Bailey av east to Eggert rd
Suffolk intersects
102 Benzing Mabel Mrs 3
104 Gallisdorfer Clarence J 4
106 Ragan Raymond 6
108 Hoerner Cath R 6
110ΔDaddario Jos A 4
112 Blair Victor E 4
114 Phillips Chas B 4
116 Sturm Clarence G 6
118 Ruller Verl P 3
120 Hurley Michl 7
122 Kingsland Walter 3
124ΔHodan John 5
126 Donovan Helen Mrs 4
128 Case Kenneth W 6
130 Smythe Frank L 3
132 DiLallo Anthony M 5
134 Campbell Harry J 3
136 Anderson Raymond R 4
146 Wick Ralph T 4
148 Carine Michl 4
150 Taylor Albert F 3
152 Rieker Chas 4
154ΔPoornon Clarence M 4
156 Trbovich Bronko 4
158 Dickey Franklin F 4
160 Long John J 5
162 Sauter Chas F 4
candy mkr
164 Czuszak John 5
Striegel Lowell L 4
168 Barlow Edw M 6
174 VanBuskirk Harold 4
176 Leatherbarrow Richd L 5
178 Butch John S 3
180 Bidell Harry J 5
182 Wagner Albert E 3
184 Keane Richd J 8
186ΔWagner Hans 4
188 Skotnicki Walter S 6
192 Johnson Anthony J 4
Tower begins
214 Schwagler Martin H 5
218 Myers Lee A 4
220 Haefner Arth G 4
222ΔKelly Jos A 3
224 Anthony Anthony F 7
226 Klawitter Albert J 3
228 Nowak Chas L 5
230 Zawar Wm J 3
232ΔHayes Albert F 5
238 Hauser Chas J 3
240 Beckley Wm J 5
242 Hitzel Frank F 3
244 Dahlke Reinhold C 6
246 Kerr Jas
248 Gregory Michl 6
250 Krier Chester C 4
252 Mantelli Jos W 4
254ΔSchnerle Earl P 4
256ΔBrooklyn Harry R 4
258 Goodrich Jos J 3
260 Ryberg Kenneth D 5
266 Lisiecki Veronica R Mrs 4
268 Nixon Glenn W 6
270ΔBaker Wm G 3
272ΔLudwig Edwin L 6
274 Fraas Wm C 5
276ΔBarone Ross A 5
278 West John M 3
280 Goodermote Vernon E 4
284 Stocker Walter H 3
Sun begins
308 Habermehl Elmer G 4
312 Deneke Wm C 3
314 Jarvis Jos P 4
316 Zimmer Emil 3
318 Komorowski Frank S 7
320 Wilkins Philip P 4
322 Monaco Louis 5
324 Pongratz Karl 3
326ΔWangler Clarence 7
334 Wines Ora L 4
336 Devlin Jas E 5
338 Kiener Geo 4
340 Schultz Fred 5
342 Sahlin Theo 4
344 Malloy Jos R 4
346ΔLegg John 4
348 Buonamici Tito 6
350 Wolf Albert 3
352 Zilliox Raymond E 5
354ΔRoush Jesse A 4
356ΔKingsland Howard J 5
358 Mudd Jas A 5
360 Ohlenschlager Winifred H Mrs 6
362 Crotty Michl J 5
364ΔDeCarolis Paul V 6
366ΔBrooks Lester L 3
368 Averill Frank P 8

LANGMEYER AV — From Olympic av east to 2564 Bailey av
2ΔGreen Chas G 3 Ⓞ
4 Boersma Geo J 8 Ⓞ
6ΔPaul Fredk B 3 Ⓞ
7ΔErtel Michl 2 Ⓞ gro
10 Hollinberger Walburga Mrs 2 Ⓞ
Griffin Wm C 1
11 Pfeil Albert J 4 Ⓞ
12 Freeman Mabel Mrs
15ΔPuehn John B 5 Ⓞ
Martin Walter 2
16ΔMatthews Ethel C Mrs 4 Ⓞ
Matthews Lillian 1 nurse
19 Reitmeier Geo E 4
McCune Edw D 8
20ΔLasker Jos A 6 Ⓞ
Loomis Kath E Mrs 4
21ΔSmith John W 2 Ⓞ
22 Fleck Frank 5 Ⓞ
Styn Gerard E 4
23ΔDavern John D 6 Ⓞ
Hayes Melville E 3
24ΔSchwach Edw 5 Ⓞ
Schleicher Alvin W 2
25ΔButz Chas F 5 Ⓞ
26 Montemaggi Anna Mrs 2 Ⓞ
Praechtl John J 4
27ΔGrau Paul E 4 Ⓞ
28ΔHeim Jos M 3 Ⓞ
29ΔDecker Albert 3
33ΔFischer Anna B Mrs 6 Ⓞ
34ΔRuss Clarence H 3
35ΔStapleton Wm G 4 Ⓞ
36ΔChittick Harry B 2
window trmr
ΔHunt Jessie Mrs 1 Ⓞ beauty shop
37 Dobler Rose M Mrs 4 Ⓞ
38ΔEven Augusta Mrs 5 Ⓞ
40 Warda Dominic 2
Newcomb Stanley B 4
43ΔStyn Alex P 4 Ⓞ
45 Vacant
46ΔMcManus Steph P 3
Pike Thos 3
47ΔWright Chas G 4 Ⓞ
Riek Wilbert W 5
50 Deth Albert C 4 Ⓞ
51 Stubbe Ida A 2 Ⓞ
Beyer Rudolph A 4
52ΔHess Marie E Mrs 3
Schmitt Jos 4
53 Bork Josephine Mrs 1 Ⓞ
Koepf Edw A 4
Muther Carl 2
54ΔStrauss Henry M 3 Ⓞ
57 Johnson Harold W 3
Garrold Russell H 3
58 Allespach Geo L 4
59 Graf Theo J 3
ΔLaufs Erich E 3 pntr
60ΔHeisler Jos F 3 Ⓞ
ΔRuth Banberg 4
61 Schwabenbauer Wm E 3
Martin Andrew D 4
62 Wagner Jos C 12 Ⓞ
64ΔFarrell Jos P 5
McCawley Mary A nurse
Lehmann John A 3
65ΔHennesen Chas F 5
67ΔKaflein Rose Mrs 6 Ⓞ
68ΔSchalck Louis 2 Ⓞ
Kimmith Norman L 2
69 Wheeler Floyd D 7 Ⓞ
Hoover Harold 2
Bierle Clare 3
73 Contact Frank J 5 Ⓞ
Hehr Harold C 3
74 Meissner John R 7 Ⓞ
Cervi Dominic 2
75 Gravius Minnie Mrs 4 Ⓞ
76 Schubauer Chas J 8
Blank Howard J 2
80ΔLangmeyer Bernard J 2
81 Grabowski Henry V 3 Ⓞ
Bailey av intersects

LANNETTE — From Central av, east to 1400 Bailey av (Not open at Bailey av)
(No houses)
Bailey intersects

LANSDALE PLACE—From 451 Koons av east beyond Rustic pl
11 Eimer Nellie Mrs 3
13 Slowinski Vincent 2 Ⓞ
ΔKrueter Jacob C 3
Rustic pl begins
19 Czapski Vincent J 4 Ⓞ
Idem Arth M 4
23 Banks Richd J 2 Ⓞ
Rorarius Edwin W 4
25 Riek Fredk J 2
Grace Albert T 5 Ⓞ
rear Wind Edwin 3
27 Miller Arth T 2
Swift Randall C 3
29 Pitzonka Paul C 6 Ⓞ
Koch Gerhard 3
35 Shaffer Claude A 3 Ⓞ
Duszynski Jos T 2
39 Ringle Louis 3
41 Finsterwald Henry J 2 Ⓞ
43 Myers Albert S 3 Ⓞ
45 Beth Jacob Cemetery

LANSING — From Joslyn pl east to 200 Military rd
2-36ΔGoodyear-Wende Oil Corp (plant)
Texaco Petroleum Products
11 Arki Ignatius 6
Baca Jas
15 Parwulska Adam 4
Haynos Peter L 3
17 Klemowski Danl 5
Bagley Stanley W 2
19 Benedek Alex 6
Titorenko Michl 6 Ⓞ
21 Szur Geza 7 Ⓞ
Lavrey Charlotte Mrs 2
Military rd intersects

LARABEE — From Hopkins, east ½ block, 2 south of Marilla
12 Andol John S 10 Ⓞ
16 Koch Adolph F 7 Ⓞ

LARCHMONT ROAD — From 35 University av, north to Kenmore av
9ΔDanner Edwin J 4 Ⓞ
11ΔDeck Gregory J 8 Ⓞ
15ΔPriebe John W 3 Ⓞ
21ΔMcGroder Patk J jr 3
22ΔBelden Russell D 3 Ⓞ
25ΔMiller Emilie S Mrs 2 Ⓞ
26ΔSchwendler Margt Mrs 2 Ⓞ
27ΔTenjost Wm P 3
30ΔStevenson Ronald L 5
35ΔBentley John S 9 Ⓞ
36ΔBrandt Wm F 4 Ⓞ
Radcliffe rd begins
39ΔBlight J Bertram 2 Ⓞ
43ΔMache Chas L 4 Ⓞ
45ΔMayer Edw 4 Ⓞ
49ΔBrooks Harrison M 5 Ⓞ
53ΔRoth John 2 Ⓞ
57ΔBray Eliz 1 Ⓞ
ΔToepfer J Ralph 2
61ΔBecker Edwin E 3 Ⓞ
65ΔBoltwood Chas V D 4
69ΔKlein John A 3 Ⓞ
73ΔLyon Wm K 5 Ⓞ
Bellevue av intersects
81ΔKaufman Edw 6 Ⓞ
82ΔMerriman Harry S 5
87ΔWambach Louis 3 Ⓞ food broker
90ΔDiem Gerald B 3 Ⓞ
91ΔFarrell Frank D 2 Ⓞ
93ΔGrimm Carl C 2 Ⓞ
94ΔHenes Robt C 2
98ΔLeiser Jacob 2 Ⓞ
99ΔCash Wm H 4
102ΔPankow Frank L 2 Ⓞ
103ΔKirch Chas E 4 Ⓞ
104ΔAustin Edw F 4 Ⓞ
bldg contr
108ΔJackson Marshall S 3 Ⓞ
109ΔWinegar Chas A 3 Ⓞ
112ΔMcEwen Lemuel W 2
115ΔSlossman Fred C 4 Ⓞ
116ΔElsheimer Fredk C 2 Ⓞ
117ΔSullivan Thos S 4
Kenmore av intersects

LARK — From 28 Sidney north to Northland av
14ΔDiPaolo Ralph 5 Ⓞ
Polskoff Louis 4
15 Stockman Amby H 5
Johnson Lloyd R 3
16ΔLink Chas F 6
Fetto Anthony 3 concrete contr
Occhino Jos 3
17 DiFrank Jos 6 Ⓞ
Guidi Peter 3
19 Novello Luigi Nicro 4 Ⓞ
DeCanzo John 3
20 Pisto Rocco 4
ΔGiolando Serafin 4
21 Marasco Angelo F 3
ΔMoses Adell Mrs 4
22 Barbuto Michl 4 Ⓞ
Peschel Julius 2
25ΔPosterman Rebecca Mrs 4 Ⓞ
Posterman Chas huckster
Herring Meyer 4
29 Davis Frank C 4
Norman Abr 5 junk
30 Florentino Gaetano 7
Bavaro Danl 4
31 D'Antino Dominic 3 Ⓞ
ΔMorrison Saml 4 carp contr
32 Stallone Jos 7 Ⓞ
ΔRude Coleman junk
35ΔBecker Eliza Mrs 6
ΔLanders Saml 3
36ΔDeMarzio Eliz Mrs 2 Ⓞ
ΔHoffman Chas 7
37ΔResnick Sidney 4
rear Vacant
38 Aschieri Emilio 3 Ⓞ
Aschieri Jos 4
40 DeMarzio Pamfilo 2 Ⓞ
Marchello Jos A 4
41 Haimerl John M 4
Leggam Fannie Mrs 2
43ΔHouser I Wm 4
Deiter Harry E 3
44ΔGrasso Cesidia Mrs 4 Ⓞ
ΔAstor Henry 5
47 Raskin Nathan R 5
ΔBerrigan Virginia Mrs 2
48 Saviola Peter 4 Ⓞ
ΔKramer Louis L 4
51 Logan Chas 5
Valenti Saml N 3
52ΔRosen Julia Mrs 6
ΔStrauss Philip 4
53ΔPatchin Mildred F Mrs 4
Ruben Harry 2
55 Limpert Fredk 3
Muir Carrie C Mrs 2
56ΔKushner Azrel 4 Ⓞ
Yallof Jack 2
58 Tauben Stanley 6
Serota Harry 3
62ΔSaltarelli Danl O 5 Ⓞ
ΔDankner Saml 2
rear Nieman Chas 2
74ΔIadarola Vincent J 4 Ⓞ
75ΔSpeich Louise E Mrs 2
76ΔWaelan Frank E 5
77ΔSchrader Wm C 6
78 Sibilio Jos 4 Ⓞ
79 Engel Bertha Mrs 3 Ⓞ
Felmet Edw J 2
80 Pingold Max 3
ΔWalker Walter H 4
81 Davis Frank A 4
Samtucci Lawrence 2
82ΔHendler Benj 3
huckster
83 Nishik Walter 5
Rezpka Casimer F 4

LARK—Contd
84ΔMurr Carlton W 2
85 Stein Max 7 huckster
Rosenberg Irving 4
Northland av intersects

LARKIN — From ½ block south of Roseville north to Seneca, 1 west of Van Rensselaer
189 Misiak Peter I 6 Ⓞ
197 Panek Mary Mrs 4 Ⓞ
Doskocz Mary Mrs 2
205 Szczesek Steph 2
207 Szczesek Cath Mrs 7 Ⓞ
209 Ziolo Jos 10
211 Pikul Jos 7 Ⓞ
Morehouse Elmer J 2
215ΔFritschy Henry J 2 restr
Roseville begins
Erie RR crosses
Exchange intersects
290ΔCone Arth R seeds
293 Vacant
295 Vacant
302ΔThorne-Morrison Inc waste
305 Vacant
312ΔColonial Preserves
313ΔOffice Towel Supply Co Inc
ΔTotsco Linen Supply Co
Seneca intersects

LA SALLE AV—From 3025 Main, east to Eggert rd
15ΔBrowne Annie M Mrs 4 Ⓞ
21ΔMetz H S Coal Co Inc
25ΔMenig Jos F 3
29ΔSimons Walter B real est
McIntyre Jas J 3
33ΔSimons Walter B 7
Orton Fred P 2
36 Greiner Lyle P
37 Andrews Edgar D 2
Moschel Conrad J 2
40ΔCowan Harold
Horne Malcolm C 5
45ΔMaier Anton M 7 Ⓞ
48 Lincoln Milton H 2
ΔBeck Geo F 4
59ΔLaSalle Lumber Co Inc
78 Wanke Rudolph P 6 Ⓞ
ΔMacKearnin Claire Mrs 1
80ΔSchenk Carl G 6 Ⓞ
98 Crotty G Frank 3
Potter Chester R 4
100ΔWebster Wm W 4
ΔHolmes Arth W 3
101 City Ice & Fuel Co (br)
106ΔGustafson Hjalmar A 5 Ⓞ
110 Warning Fred C 2 Ⓞ
Baldwin Emory K 2
115ΔLaSalle Auto & Battery Service
Cordova av begins
127ΔKohm Anna Mrs 5 Ⓞ
131 Snyder Thos J 3
Steinmann Jos F 2
135ΔCoon Walter C 5 Ⓞ
137ΔDick Eliz A Mrs 2 Ⓞ
ΔWagner Russell G 4
ΔSchneider Fredk O 3
140ΔDempsey Donald D 4 Ⓞ
141ΔSattler John 3 Ⓞ
142ΔFrey Rudolph E 4 Ⓞ
148 Bueche Edw A 3
152ΔWoods Norman E 4 Ⓞ
153 Wendel Fredk 3 Ⓞ
Coons Harry M 3
154ΔSloan Walter R 4
155ΔDaniels Mildred H Mrs 4 Ⓞ
Hendrickson Wilber W 3
157ΔSmyth Wm S 2 Ⓞ
158ΔDavis Jas A 3 Ⓞ
ΔLembke Arth G 2
162ΔLaux Chas J 2 Ⓞ
ΔAllen Wallace D 3
163ΔHelbron Wallace W 2 Ⓞ
166ΔGoettelman Chas J 2 Ⓞ
167ΔKlipfel Geo 4 Ⓞ
Range av ends
172ΔRegner Jos J 2 Ⓞ
176ΔBolt Alf J 4 Ⓞ
177ΔStevenson Francis A 2 Ⓞ
180ΔBrandt Sarah Mrs 1 Ⓞ
181 Vacant
185ΔBarry Jas W 2 Ⓞ
ΔLehrritter Geo C 3
186ΔReichert Robt L 4 Ⓞ
188ΔWenger Edw C 2 Ⓞ
189ΔLumbard Arth W 5 Ⓞ
ΔAmbirk Peter M 2
192ΔWenger Norman W 3 Ⓞ
193ΔHart Maurice R 4
ΔUlrich Edw 2 contr
196ΔGowans Henry D
197 Carter Alon 3
ΔMiddleton Wm S 3
200ΔBeck Emil B 2 Ⓞ
201ΔMoriarity Geo F 2 Ⓞ
204ΔCoon Edw G 2
ΔGoldberg Hyman 2
205ΔHinton Wesley C 2
208ΔMeyer Harold G 6 Ⓞ plmbr
209ΔKrieger Minnie C Mrs 4 Ⓞ
211ΔWeisenheimer Edw J W jr 4 Ⓞ
Lowe Wm E 2
212ΔSchenk Chas F 4 Ⓞ
216ΔHemerlein Wm E 4 Ⓞ
Seeger Otto H F 2
217ΔErickson Hannah C Mrs 2
ΔDiebold Eug L 2
220ΔWarning Barbara Mrs 1 Ⓞ
Eberle Chas P 2
221ΔWeber Arth L 4
ΔBrogan Francis J 2
ΔCarland Geo M 3 Ⓞ

SENECA ST 1940

204 Terrace EST. 1870 Phone Washington 1260

SENECA—Contd
310 Gicia Angelo shoe repr rear Petrillo Anthony 3
Miranda Rosario 3
Maiolo Concetta Mrs 1
311 Velardo Frank 4
313 Manna Angelo 7
315 Cotena Carlo 4
Logalbo Jos 4
317 Santora Jos 5
Manne Jas 4
318 Terreri Peter 9
Dellapenta Lucy Mrs 1 ⓪
322 Speranza Louis 6 ⓪
Lenoci Dominic C 4
328 Debes Wm B 2 exterminator
Moy Jonas 2
Green Jos 2
330 Vacant
332 Vacant
336 Vacant store
ΔDelmonte Jos 4 baker
Renzoni Palmira Mrs 3
Pacitto Angelo 6
338 Sartini John 5 ⓪
Panducci Angelo 3
Antonioni Ardovino cigar mfr
339 Allende Danl 1
Bousamra Rose Mrs 3
Wakeel Ameen 2
Abila Christ 2
340ΔChampion Shoe Machinery Co Inc
Antonioni Ardovino 3
ΔMarty's Carting
341 Becerra Ysichro
342ΔSchneider Martin exp Fuentes Edw 3
343 Norris Wm 5
Jackson Antonio 2
343½ Saide Abr 2
345 Demoro Saml 6
Ruzzini Dominic 3
ΔYourichuk Geo 3
346 Apex Printing Service
348 Pacciotti Adolph 3
349 Lorenzo Gaetano 1
Fratini Ercole 5
Marinelli Luigi 2
Zeeb John J real est
350-56ΔBuffalo Storage & Carting Co
355ΔScimia Enrico 11 ⓪ restr
Esposito Nunzio 3
358 Nicolaio Mary Mrs 5
Nicolaio Jas 3 coal
359 Vacant store
Bonavito Rose Mrs 2
360ΔUnis Mary Mrs 4 ⓪
361 Amarantee Mary Mrs 2 ⓪ gro
362 Nicolaio John harness Meyer Wm 3
363 Vacant
369ΔCentral Filling Sta
370ΔDiTondo Sebastian 9 restr
Louisiana ends
372 Lanza Jos barber
Harper Ross 2
374 Polverari Thos E 3 carp contr
Grigsby Raymond 4
Samantho Cora Mrs 1
378 Wallace Fred J 2
Abdullah Ahmed 2
Garratano Pauline Mrs 1
380 Brandt John 3 restr
S Cedar begins
400-02 Welcome Hall Playground
404ΔWelcome Hall Settlement
Peace John G 5
ΔWelcome Hall Nursery School
405ΔPennsylvania R R Co (real est dep)
ΔPennsylvania RR Co (freight division)
412 Ferrentino Pasquale 5
Zook Sara J 2
414 Brunetta Peter 3
Millace Saml 8
418 Calvanese Ciro 2
Montana Mario 3
Parker Willis 3
422 Lillard Spencer E 5
Paglia Anthony 9
rear Taylor Frank 3
424 Abdullah Hassan 5
Lloyd Levi 4
Stoll Louis 8
426 Valente Alex 5
Perre Russell 2
428ΔLaPiana Salvatore 10 ⓪
430 Monaco Anthony 3
432 Tortora Anthony 5
Tortora Carl 3
434ΔPerillo Bernard 5 gro
Lapi Jos 8
DiRuzzo Jos 2
Valenti Paul 3
438 Mastroicova Michl 7
440 Smith O Roy auto repr
452ΔCampofelice Frank 4 ⓪
ΔSmith O Roy 4
454ΔMarconi's Restr
McKeown Hugh 1
462 Salemi Mary Mrs 1
Clemeno Pasquale 5
464 DiFonzo Fannie 3
Valenti Josephine Mrs 2
465ΔMohican Service Sta filling sta
466 Maniscalco Anna Mrs 5 ⓪
Viola Jos 2
Arcuri Saml restr
468 Noon Jos 6
470ΔHex Mfg Co novelties
474 Santoro Jos jr barber
Costa Jas A 5
Santoro Jos 1 ⓪
476 Lillard Thos 5
478ΔBravos Aristides 4 restr
480 Pepe Anthony 1 ⓪
484ΔGuida Justin A filling sta
Alabama ends
487-93ΔInternational Harvester Co
Spring begins
495-97ΔHubbs & Howe Co whol paper
499-505ΔStandard Milling Co
513ΔMarshlow Corp whol gros
514ΔBurt F N Co Inc box mfrs
515-41ΔH & N Bakers Supply Co
ΔKeystone Warehouse Co storage
ΔSouthern Steamship Co
ΔNatl Cylinder Gas Co oxygen producers
543ΔAndrew Paper Co
Hamburg intersects
551ΔIdeal Heating & Air Conditioning Corp
Jefferson av intersects (not open)
NYCRR underpass
621 Larkin Co (power house)
669ΔGerry Provision Co
Larkin ends
680ΔLarkin Co Inc soap mfrs (administration bldg)
ΔSignode Steel Strapping Co
ΔLarkin Co Inc dept store
681 Larkin Co Inc Grill
691ΔSaxer-Pfeiffer Printing Co
696ΔLarkin Men's Club
Larkin Men's Club Bowling Alley
698ΔEngine Co No 32
700ΔHook and Ladder Co No 5
701ΔPenders Jas J glue mfr
ΔLarkin Co Inc (police dept)
ΔPrint Mail Shop
ΔReliance Roofing Co
706 Blasing Wm J barber
708 Murray Margt Mrs confr
VanRensselaer ends
709 United Motors Service (whse)
710 Contino John 2 barber
712 Vacant
714-16 Vacant store
Kough Thos A 3
718 Schaffer Allek vulcanizer
Herman Rose Mrs 2
Vandrei Ernest G 4
721ΔBleichfeld Bag & Burlap Co
725ΔLarkin Co Inc filling sta
Swan ends
Emslie begins
738ΔMarine Trust Co (Seneca br)
ΔRyerse Oscar G dentist
ΔLynch Chas V Agency ins
ΔGood Stuart A phys
741ΔDeco Restaurants Inc (br)
742 Vacant store
Schultz Geo 3
Glowacki Stanley J 4
744 Emele Nicholas confr
Tenbrook Eliz E Mrs 3
745ΔWollschlager Minnie T Mrs 2 ⓪ dry gds
746 Albrecht Ida B 1 ⓪
Janusz Marion Mrs baker
748ΔO'Connell Jos R liquors
McManigle Jenny Mrs 3
755ΔMcMahon Michl J 2 phys
ΔKeller's Pharmacy
Thomas Ernest 4
Collins Frank 4
Wagner Jos E 2
756ΔWinkler F X Sons
757ΔNorris Michl F restr
759ΔFohl Chas F 2 meats
760-64ΔWinkler F X Sons gros
Winkler Frank X 2
763 Bartkowiak Chas M barber
766ΔHydraulic Mutual Savings & Loan Assn
Freeman Alf G 2
Ramey Chas G 2
767 Melnyk Andrew 6 shoe repr
768ΔFranks E A & Son hdw
Vitko John L 2
Hurd Geo 4
770 Kilgallon Andrew 4
ΔMikolajczak Leo 3 restr
771ΔJacobs Danl C mattress mfr
McGloin Jas 3
772ΔSeneca Theatre motion pictures
773 Vacant store
Parcheta Jos 4
775ΔSchuman & Miller uphol
777ΔMiller Bernard G 2 confr
779 Buffalo Garment Shop clothing mfrs
780ΔShort May K Mrs beauty shop
rear Lisowski John 2
Lynch Chas J 6
781ΔBuffalo Post Office Station D
Gall Harry 2
Norris Michl F 1
Hydraulic ends
782 Harbison Susan Mrs 1 ⓪
784ΔJ & R Furn Co
Maher Ethel Mrs 5
788ΔAlert Plumbing Supply Co Inc
789ΔGirls' Preparatory School
790 Mocarshi John J 5
Keough Jas E 4
Greenlaw Eliz K Mrs 1
792ΔTerry T L Jr Inc jwlrs
794ΔPronobis Adam T meats
Herold Frank 3 ⓪
797-807ΔDollar Dry Cleaning Co Inc
798 Vacant store
Kryszak Martha Mrs 4
Bratchell Pearl Mrs 3
800 Downes Chas W 2
rear Vacant
802 Noon Mary F 2
811ΔKraft Arth F 2 tailor
813-15 Vacant
817ΔPyszczynski Stanley 4 ⓪ confr
819 Paluch Andrew 6 meats
rear Golimowski Michl J 4
Remiszewski John 5
823ΔConsidine Leo E 2 ⓪ gro
Wittman Margt Mrs 1
Griffin ends
Lord begins
829 Musialowski Chester S 2 restr
Matuszak Steph 2
McKenna Walter 2
831 Hruby Harry 5 delicatessen
832ΔMasterman Wm J filling sta
833ΔBialy Lawrence 10 barber
837 Niesyty Peter 7 shoe repr
839 Borodzik Jos 3
ΔKaluzny Cath Mrs 3 ice and coal
840ΔBlocha Hariton 2 ⓪ restr
Zaewstowski Anthony 3
843ΔYallowich Isaac M ⓪ elec contr
DiAngelo John 3
rear Slattery Thos J 3
Wujtulski Leonard 4
844 Paternostro Sebastian 3
845 Howley Edw 1 ⓪
Edwards Howard 5
Marks Grace Mrs 5
847 Vacant
848ΔJalowka Walter 2 whol tobacco
849 Battaglia Jos barber
Zmitrewicz Peter 2
Srubis Martin 2
851 Vacant store
Szczepanski Leonard 3
Glowacki John 9
852 Smutek Magdalene Mrs 6 ⓪
ΔDowney Martin J phys
Schaub Magdalen Mrs 5
853 Strzepa Peter 2 ⓪ barber
Oleski Julius 3
Adamuk Nicholas 2
rear Kilesz Alex 3
857 Przyepasniak Caroline Mrs 5
Borodzik Frank 6
Griffin Athletic Club
860ΔContractors Ornamental Steel Co Inc
863 Borodzik Louis 2
Borodzik Jos restr
864 Vonsik Stanley 4
Deubel Bernard 3
rear ΔWolff Chas J
Miller Jos 2
865ΔBiniolas Manuel 2 confr
Borkowski Mary Mrs 4
866ΔKazmierczak Louis ⓪ real est and steamship ticket agt
Kazmierczak Honora B ins
Kazmierczak Louis T 2
867 Vacant store
Zientek Matthew 6
870 Woloszyn Anders 6
871 Vacant store
Belasik Adam 5
872 Orzech Anthony 2 meats
Zielinski Andrew C 4
873 Dengos Andrew F musical instruments
874ΔGertz Frank 5 ⓪
875ΔDengos Walter 10 ⓪ restr
876-78ΔButcher Howard H autos
877-87ΔLiquid Carbonic Corp soda fountain supplies
886ΔMarlow Frank 2 ⓪ liquor
Suwalski Walter F 4
888 Black Rock Bakery (br)
Nowak Agnes Mrs 5
Kurtz Leroy F 3
889 Juszkiewicz Stanley 4
Sousa Jos barber
Jankowski Walter 2
rear Sliwa John 10
891 Vacant store
891½ Keska Mary Mrs 2 confr
892 Chmurzynski John 9 shoe repr
892½ Guarino Anthony J barber
894ΔSzymanski Walter restr
Hamanczuk Stephanie Mrs 5
Fillmore av begins
Smith intersects
903 Solomon John J confr
906 Nowak Andrew restr
rear Slenkiewicz Jos 3
910 Olszowka Michl 3 ⓪
Piechnik Stanley 4
912 Clancy Wm P real est
914 Euscher Luella Mrs 3
rear Barus Thos 2
916 Panikowski Andrew 6
rear Pawlski Lawrence 5
918 Vacant
Erie RR underpass
935 Vacant
937 Kurchingko John 2
939 Bygdynski Stanley 5
Klozak Helen Mrs 3
Myszka Victoria 3
940ΔBuffalo Hardwood Lumber Co
980ΔBittner Henry A coal
NYCRR underpass
1035ΔPierce Grain Corp
ΔTransfer Elevator Corp
1043ΔSchurr David J 5
1055ΔAtlantic Lumber Co The whol lbr
1073 Cutway Lawrence 6
1077ΔQuinn Patk J 5 ⓪
1079 Vacant store
Peabody ends
1087 Heller Edw 4
1089 Tober Monroe F 2 ⓪
Tober Rudolph W 2
1095 Nagle Mary M Mrs gro
Intrabartolo Frank 5 ⓪
Wise Burton J barber
1097 Podera Camillo 1 shoe repr
1100ΔYeager Bros (br) coal
1101ΔKeach Harvey J 2
Baran Victoria Mrs 2
rear Wilanowski Valentine 3
Kinsella Patk J 7 ⓪
Walter ends
1115ΔKaczmarczyk Mary Mrs restr
1116ΔChapin & Fagin Inc repr
ΔNational Lumber Co
ΔBird & Son Inc roofing material and supplies
1117 Vacant store
Kacalski Tillie Mrs 7
1119ΔDonohue Michl 6 ⓪ confr
McMahon Eileen clo clnr
Klopp Mary J Mrs 3
Bongiovenni Philip 4
1121 Rynski Mary Mrs 7
Wolfe Court L 6
Hauser Margt D Mrs 5
Hanley John T billiards
1123 Radomski Leopold A 2 ⓪ gro
Komisarek Michl 2
Casey Bartholomew 2
Thomas Roy J 4
1131 Vacant
1132ΔWestinghouse Elec & Mfg Co service dept and whse
1133ΔLock Frank E drugs
U S Post Office Sta No 40
Chadwick Alice Mrs 1
Maurice ends
1139ΔGerlach Julia Mrs confr
Widmann Chas L 3
Fortin Mary Mrs 3
Gerlach Leon Z 7
1143ΔMurphy Viola Mrs 5
Smythe Marguerite Mrs nurse
1145ΔLotz Alice M Mrs 1 variety store
1146ΔRobinson Clay Products Co
1149 Dreyas John B 6
1151ΔBartel Jos P 4 ⓪ gro
Kopacz John 6
1154ΔElk Filling Corp (br)
1155 Fiore Fredk C 5 shoe repr
1159ΔBihr Gottlieb 2 ⓪ gro
Orlando ends
1164-68ΔArber Frank H & Son genl contrs
Hughes Bertha Mrs 2
ΔSeneca Paint & Hardware
Esford Wm E 3
Frew Harold J 2
1166-68 Arber Frank H hdw
1167ΔBoyle Madeline E Mrs delicatessen
Carney Cornelius J 3
1169 Bugin Saml S tailor
Wasson begins
1173ΔDoyle Jos C 4
Garvey John H 2 ⓪
1175ΔArndt Albert L 2 ⓪
1177ΔStewart Emma Mrs 1 ⓪
1181ΔRoyal Cash Market meats
Byers John I 2
1182 StMatthew's Protestant Episcopal Church
1183 A & P Food Stores (br)
Moore Wm J 3
1186 Austin Otto F 3 ⓪
rear Collins Edith Mrs 2
1190 Oakdale Theatre motion pictures
1191ΔPolice Station No 9
1192ΔPetite Paul L 6 ⓪ restr
Babcock intersects
1199 Danahy-Faxon Stores Inc (br) gros
ΔFink Margt E 9 ⓪
1200ΔBoughton's Restaurant
Boughton Seymour 2 ⓪
1201 Trimarchi Carl T barber
1202ΔBoughton Seymour K bowling
1204-06ΔQuality Home Bakery
Taylor Alex 3
Leavers Eliza Mrs 3
1205ΔVallas Paul 7 confr
1206ΔBarr Arth N 4
Harrington Arth J 5
SENECA—Contd
1207ΔWilson Walter H 6 chiropractor
Ledesma Antolina 3 beauty shop
1208 Oefner Amelia Mrs 1 delicatessen
McGreevy Emma Mrs 1
Rickard Thos A 6
1209ΔCarroll Patk J 6
ΔShields Chas D 3 phys
1211ΔCronin Wm J 4
Hinterberger Chas W 3
1212ΔHeintz Adolph A 4 ⓪
1214ΔSherman Jos 4 phys
Janiak Walter J repr
1215 Martyniak Teckla Mrs 1 ⓪
ΔBartels Wilfred C 2
1218 Seneca St Methodist Church
1219 Nelles Geo O 7
Fullington Florence Mrs 9
1221ΔDrews Anthony F
Wohlbueter Mary E Mrs 2 ⓪
Olson Jas R 3
Imson intersects
1231 International Railway Co power sta
1232 Vacant store
1234 Cannisi Peter shoe repr
1234-38 **Grady Bldg**
(For occupants in apts see 91 Imson)
1236 Vacant store
Serum Helen Mrs 2
Linderman Edw 3
1238 Long Lucius J 3
Fisher Anthony W 3
Fisher Anthony 3
1239ΔMurphy Anna Mrs 4 ⓪
Fisher Anthony 3
Duffin Howard C pntr
1240 McCrory Frank P 9
1241ΔMcCullough Edwin delicatessen
1243ΔMurphy Fuel & Home Supply Co (br)
1244-56ΔQuale Service Sta
Oakdale pl ends
Troupe begins
1259 Laney Wm A 4
Strasser Herbert 4
1261 Smith Mary E Mrs 3
1263ΔDecker Chas F 2
Keenen Nelson H 5
1265 Stott Jos R 5
Washburn Raymond J 4
1266-68ΔSummers Geo J & Co Inc ⓪ genl contrs
ΔWilson W A plmbr
1267 Hurrle Otto F 7
Specht Fred 8
1270 Shultz Herman R 7
1271 Morlock Geo P 3 paperhngr
Loughren Geo J 3
1272 Barry Mary T Mrs 8
Morlock Harold 3
1273 McFarland Hugh 2
Lortz Arth 5
1275 May Dallas 4
Waligursky John 5
1276ΔEigenbrod Elmer N coal
ΔMiller Anna E Mrs 5
1277 Bozart Loman D barber
1278ΔWaver Julia M Mrs ⓪
Eigenbrod Eliz Mrs 2
1279ΔKee Advertising Service signs
1282ΔKappler Anna Mrs 1
Kappler Lenora M Mrs 2 ⓪
1284ΔHeath Lauren liquors
White Chas W 6
Knapp Wilbur E 2
Hill Jas W 1
Milton intersects
1293ΔSwift Lena Mrs 1
Cook Robt H 5
1294-96ΔEcho Motor Sales
Rice Edw 1
Schiffbauer Gerard G 3
ΔMcGinley Julia Mrs 3
1295ΔFuriong Margt Mrs 6
ΔBeyer Chas 5
1297 Mutton Fredk C 3 ⓪
1298 Vacant store
1299 Harrington John J 4
Talty Frank P plmbr
rear Miller Lapeer B 5
1300ΔBooth Albert C 4 ⓪ gro
Pascall Arth 4
rear Klemp John T F 8
1301 Mangold Aug H 4
ΔMyers Chester A 4
1302 Burt Sylvester 3
Donovan Leo J 3
Harter Raymond 2
Pascall Jas clo clnr
1303 Boffey Fredk 9
Glass Geo A 3
1305 Pohlman Albert E 3
Wojciechowski Chester 3
Ross Malcolm C 4
Slaresinic Geo 3
1308 Stevens Ralph E 9
Addeo Saml 4
1312 Swartzmeyer Frank 3
ΔWhite Wm J 4
1315ΔMurphy Michl F 3 ⓪ restr
Harrison intersects
1323 Pries Mildred Mrs restr
Willis Eric R 4
1324ΔMueller Augusta Mrs ⓪ gro
Mueller Geo C 7
Kappen Clarence 2
Hess Lester F 3
1325 Kaupa Harry 2
Pomeroy Frank 3 ⓪
1326-30ΔRich's Dairy
ΔRich John J 2 ⓪
1327 DePotty E Lorne 5
Sutton Robt 3
1329ΔDoyle Hugh J 3 ⓪
Zalikowska Frances M Mrs 4

EXCHANGE ST 1935

FUNERAL DIRECTOR · · EST. 1893 PARKING 421 J

EVADENE — From 145 Englewood av northwest to 45 Montrose av
14 ΔChetney Naomi ⓞ
ΔCradler Otto J
17 ΔLeydecker Matilda U ⓞ
18 ΔVacant
21 Degenhard Henry S ⓞ
22 ΔPage Edw J ⓞ
25 ΔSteimke Chas A
26 ΔSchalk Carl F
ΔO'Neill Geo V
27 Powers Leonard P
28 Flint Walter C
Montrose av intersects

EVANS—From 69 Water northwest to 82 Terrace
6-24 ΔMcDougall-Butler Co Inc paint mfrs
28 Vacant
29 Scardina Sebastian
Palladino Jas
Paladino Paolo
Fly ends
Water intersects
31 Chiarello Paolo
Livorno Jos
33 Vacant
34 Vacant (store)
35 Trinca Nicholas
37 Vacant
38 Vacant (store)
39 Manzella Madeline Mrs
Zendano Caroline Mrs
40 Vacant (store)
Arcara Jos
Caligiuri Angelo
Colucci Nicola
Paic Lazzaro
Fanara Calogera Mrs
Guzzetta Francisco
Sperazza Diego
Bush Danl
Bonnacio Angelo
Caito Michl
Filomena Michl
Faso Cruciano
Missico Generoso
Porletto Jos
43 ΔBuscaglia Jos ⓞ
Castrogiovanni Anthony
Fazzio Pasquale
LoPresto Phillip
45 Vacant
Peacock intersects
47 Grandillo Danl
Grandillo John
Grandillo Lucia Mrs ⓞ
48 DiGiacomo Donato soft drinks
Dante pl intersects
66 Vacant
68 Vacant
Terrace intersects

EVANSTON PLACE — From 11 Julius west
58 Motz Wilbert H
Farrell Thos W
62 Breen Gerald J
Coolidge Frank R
63 Solly Francis M
67 Szewczyk Andrew ⓞ

EVELYN — From 355 Esser av southeast to NYCRR
11 Allari Moricz ⓞ
Anderson Eskil W
15 Curtis Celery D
McVey Elsy D
19 Butz Frank C
MacDonald Lewis
21 ΔKeil Wm G ⓞ
41 Flood John J
45 Reynolds Edwin E
46 ΔSchroth Fred J
49 Swanick Mary A Mrs
50 Guenther Arth E
51 Kirschner Cornelius L
52 ΔWonnacott Robertine P Mrs
54 Allen Ralph ⓞ
55 Francis Alex
56 Brown Clarence J ⓞ
57 ΔHarvey Clayton J ⓞ
Michel John A
58 Huff Leo S ⓞ
ΔMurphy Jos D
61 Gunning Herbert ⓞ
62 Schamberg Geo B ⓞ
Botto Robt J
63 Weissenburger Agnes Mrs
64 Omundsen Paul F
Vogel Thos C
67 Stoll Louis L ⓞ
68 Sine Harry R
69 ΔThompson Oliver J
70 Hanaka Frank
73 ΔPopalisky Alf ⓞ
74 Fiierl May E Mrs ⓞ
75 Blades John H
76 ΔCurrier Wm E
79 Sander Louis J
Sander Mildred I ⓞ
80 Adams Geo A
81 Morrison Jas W
82 Maricle Frank E
Ontario intersects
116 Kish Jas ⓞ
120 Lengyel Frank ⓞ
121 Harler Jas N
123 ΔYelenik Albert
126 Ginter Andrew ⓞ
127 Hoehn Geo C Paperhngr
128 Bermel Peter
132 Pearson John H ⓞ
133 McGee Anna M Mrs
134 Koncsol Steph ⓞ
138 ΔPalsbo Arth
139 Bota Jos J ⓞ
140 Wiessleader Howard
144 Vacant
145 Sullivan Thos ⓞ
146 Andrus Kenneth A
Mayer Geo S
149 Wysocki Julian ⓞ
151 Reutllard Camille J
153 ΔGriffin Ella M Mrs ⓞ

EXCHANGE — From 177 Main east to 987 Seneca
10 Vacant
12 Mercurio Jos shoe repr
14 ΔFrontier Glove Co The sporting gds mfrs
ΔVaughn's Barber School
16 Vacant
18 Sacco Frank restr
20 Curro Vincenzo restr
22 ΔWashington Hotel
Washington intersects
35 Vacant
37 Vacant
39 Vacant
41 Vacant
43 Vacant
45 Vacant
47 Vacant store
48 Times Garage
49 Vacant
50-52 ΔFrasse Peter A & Co Inc steel
51 Vacant
54-58 ΔHotel Avon
Ellicott intersects
64 Vacant
66 ΔPower Wm E glass carver
68 Vacant
70 ΔTruscott Fredk & Son Co elec contrs
72 ΔFornes J M & Co leather findings
74-78 ΔFrontier Linen Supply Inc
78 ΔMcFarren Robt M adv
ΔQueen City Photo Engraving Co
80 Vacant
82-84 Vacant
86-88 ΔRoot Press printers
Doherty Jas H coml artist
98 Δ Vacant
98½ Vacant
100 Vacant
120-24 Vacant
Wells intersects
130 Vacant
131 Vacant
136 ΔArlington Hotel
McLeod Hotel Co
ΔTrapani Domenick railroad contr
138 Vacant
140 Vacant
142 ΔTipps Walter restr
144 Vacant
146 Vacant
148 Vacant
150 Vacant
152 Vacant
154 ΔSigmund & Co importers
156 Vacant
157 Vacant
Δ158 Montgomery Hotel
159 Vacant
160 Vacant
162 Vacant
164 Broyles Frances Mrs clo clnr
166 Vacant
168-70 ΔRoss Anthony T confr
172 Vacant
178 ΔCentral City Hotel
Michigan intersects
Chicago intersects
Louisiana intersects
Alabama intersects
Hamburg intersects
565-87 ΔCraver-Dickinson Seed Co
568 ΔGuzdek Bibranna Mrs ⓞ
Wagner Walter H
Jefferson begins
600 ΔLarkin Co Inc filling sta
604 Vacant
Red Jacket intersects
650 Larkin Co garage
659 ΔIroquois Door Co sash and doors
Larkin intersects
se cor ΔWabash Ry Co Buffalo Terminal Division
VanRensselaer intersects
Hydraulic intersects
Smith intersects
927 Vacant store
Strauss Helen A
929 Dziedzic Andrew A ⓞ
931 Vacant
933 Zak Martin ⓞ
Zak Walter J
936 Nowicki Bernard L
938 Kicinski Mary Mrs
Regan Jas
Zwawa Mary Mrs
939 Donhopoliski John
Wojtaszczyk Anthony
941 Piszek Val
945 Ziejewski Frank
Sluchan Roman ⓞ
949 Szczepanik Michl ⓞ gro
Nowicki Frank
951 Kobus Stanislaus
Prusinski Constantine
rear Zuber Jos
Golda Wm
955 Bednarz Philip
Zielinski Anthony
rear Batycki Anthony
961 Morlock Aloysius P
963 Solomon John J ⓞ
Baco John J
Klinko Kath S Mrs
965 Kicinski Max
967 Szwaczkowski Ignatius
Lewandowski Harry
976 Vacant
978 Vacant
979 Barron Frank A ⓞ
Lester Jas E
980 Vacant
981 Isobel Susan Mrs
Minnick Leslie
982 Vacant
Selkirk intersects
983 Podgorny Vincent ⓞ gro
984 Wonsowicz Rose Mrs
991 Lofek Frank ⓞ gro
995 ΔSzczepanik Victoria Mrs ⓞ
Stachura Max
997 Grochol Vincent ⓞ
Szelengiewicz Steph A
999 Denek Steph ⓞ
rear Kmidowski Henry
Mamot Frank
1001 Szczepanik Jos M ⓞ restr
Minoczyk Walter
rear Mydlasz Stanley
Musial Frank
Seneca intersects

EXPRESS—From 222 Pearl west to 121 Franklin
(No houses)

FAIRCHILD PLACE—From 571 Linden av north to 1185 Hertel av
1 ΔDurham Mayme O Mrs
ΔLansing Anna A Mrs
2 Sweeney Edwin F
Benson Agnes Mrs
5 ΔSolbelman David
Dujenski John E
6 MacQuarrie Annie ⓞ
Hughes Gertrude Mrs
9 Dascomb Harry B ⓞ
10 Peck Ray E
Karlstrom Alex
15 ΔDolsen Frank
16 Marshall Wm H
Iden Leonard J
17 ΔFlore Wm C ⓞ
18 Zangerle Frank ⓞ
ΔChase Chas F
19 Pickral Paul R
20 Scoville Perry M
ΔBrown Howard H
23 Wilson Hobart H
Goldberg Wm B
24 ΔMaddigan Patk J ⓞ
27 Moest Alvin J ⓞ
Timmerman Edwin C
28 ΔSiegrist Leo F ⓞ
29 Fay Wilfred A ⓞ
30 Onions Geo B ⓞ
Tioga ends
33 Markwardt Edw E ⓞ
ΔBrodie Jas H
37 Brink Edw A
Gould Emmons L
39 Koerner Wm J
39 Ridderstrom Ralph piano tuner
40 ΔMcKernan Joann Mrs ⓞ
Schweikhart Henry D
43 Bergman Edw T
ΔFreitag Henry L
44 ΔO'Connell Jos J ⓞ
ΔMartin Mary Mrs
45 Howe Wm S
Smith Chas I
48 Lund Roy
49 Fontana Santina Mrs ⓞ
McCormack Jas
52 Parker Gertrude C ⓞ
53 ΔElsheimer E Raleigh
ΔWoeller Laura ⓞ
54 ΔSmith Sarah G Mrs
57 ΔDowd Thos J
58 Seymour David A
Glazier Geo S
59 ΔSmith John L ⓞ
62 ΔMansell Walter S
Cunningham Clara Mrs
63 ΔRose S Helen Mrs ⓞ
65 ΔRoss Alex
66 ΔBuyers Wm
68 ΔSmith Orliff E
Dakota av begins
69 ΔLang Edith D Mrs
71 Daley Honorah N Mrs ⓞ
Huber Philip T
75 Gilbert Chas Z ⓞ
ΔLandgraf Frank A
MacDougell Jas interior decorator
78 ΔMacKenna Albert
79 ΔQuase Grant W
Clinton Harry J
83 Bearss Stanley L
ΔNewell Perry ⓞ
84 ΔCoughlin Frank ⓞ
85 McDonough Frank J
Moran Edw J
88 Freudenberger Philip ⓞ
Schott Paul
89 ΔForrest Robt ⓞ
91 Driscoll John J ⓞ
Driscoll Marie L nurse
ΔHaag Benj
92 Babcock Richd E

HAMBURG ST 1935

Phone WAshington 0076 — Established 1866 — Spring and Clinton Streets

HALBERT—From 3 Gesl north to 18 Rodney av
3 Macris John
5 Hainz Frank
9 Stiff Harry
Garrison Harry
11 Steger Edw P
15 Cottrell Jas A carp contr
17 Meyer Frank X
19 Michaels Walter H
Holt Clayton K
20-38 Vacant
23 Gagern Wm A
Brownschidle Clara Mrs
29 Davis Mack H
Ricketts Fred J
Dewey av intersects
53 Ziems Herbert H
54 Frank Frank J ⓞ
rear Zeitz Frank A
55 Matters May F Mrs ⓞ
56 Eigel Eliz M Mrs ⓞ
59 Chapman Earl
Embert Jos coml artist
Livermore Raymond E
63 Martin Theo
Brown Chas W
64 McGowan Chas E ⓞ
Lewis Clifford M
67 Hendryx Herbert C ⓞ
rear Weber Herbert C
68 Spriegel Richd J
ΔHoran Anna E Mrs ⓞ
71 Hayden Wm W
Berghauser Esther D ⓞ
72 Meyers Wm H ⓞ
75 Frankino Frank N
76 Fischer Louis E ⓞ
77 Astner Jos
Wilson Wm H
78 Murphy Mary E Mrs ⓞ
81 Trimmer Harry E ⓞ
Leroy av intersects
110ΔHatch McKay-Nash Corp autos
Brewster begins
Jewett av intersects
161 Ferguson Harvey
ΔMoreau Edw E
167 King Harry
ΔFundheller Edw C
169 Reichold Albert G
Borneman Robt C bldg contr
171ΔSolat Alex restr
Phelps begins
179-91ΔGraphic Arts Co Inc

HALLAM ROAD — From 161 Middlesex rd to 112 Bedford av
24ΔReich Melvin A ⓞ
35ΔWertimer Sidney ⓞ

HAMBURG — From 160 South, north to 521 Swan
10 Vacant store
12 Vacant
16 Sullivan Hannah Mrs ⓞ
20 Sullivan Hannah Mrs gro
22 Bresnan Jos M ⓞ
24 Lavelle John ⓞ
28ΔThomas John J ⓞ
30 Fulster John L ⓞ
Smith Francis N
32 Lockhart Louis ⓞ
rear Hennigan Patk J
34 Nelson Geo E
Raycambel Peter
44 Bannister David
46 Vacant
48 Vacant store
Murphy Martin
50 Schulz Anna Mrs confr
51 Vacant
Republic intersects
73ΔSolarczyk Julia Mrs ⓞ restr
Solarczyk Anthony
Procknal Steph
74 Vacant store
Smalles Jos
75 Weaver Earl N barber
Beasley John F
rear O'Neill Danl R
76 Michalski Alice Mrs
79 Guth Cyril ⓞ
Bumbur Steph
Bienko Peter P
81ΔMaloney John ⓞ
ΔPatton Richd J
83 Mullen Ella C Mrs
85 Braun Edw A
86ΔSullivan Mary Mrs ⓞ
ΔMeaney Julia C Mrs
90 Leavy Steph J
Jennings Lydia Mrs
92 O'Leary Michl C
94 O'Rourke Theo
ΔThompson Randolph
96 Kelly Edw V ⓞ
118ΔPublic School No 34
O'Connell av intersects
125ΔAldermoos Edw L gro
126 Szymanski Jos W gro
Higgins Raymond J
Rogers Michl R
127 Mays Ora Mrs gro
128 Vacant
129 Vacant store
131ΔMays Ora Mrs ⓞ
Mays Eug L
134ΔBognar John
Maglich Jas
136ΔLeahy Thos R
Chilcott Steph V
137 Runfola Carmelo shoe repr
Knox Wm P
Knox Richd C
138 Nowicki Frank
Lannon Edw M
139 Vacant
140 Cody Martin P
rear Pietschak Alex L
McArthur Harold
141ΔSullivan Nellie M ⓞ
142 Hollahan Michl J
McCarthy Jas W
143 Slobuc Max ⓞ
Walters Raymond P
rear Pietrowski Frank B
144ΔHoffstetter Frances Mrs ⓞ
145 Madden Francis
Appleford Roy A
146 Kosowski Lawrence
Arkyns Geo W
rear Vacant
149ΔSheehan Edw A
Wineholtz Louis J
151 Brown Sadie Mrs
Kavanagh Owen J
152 Chilcott Frank
ΔDonovan Mary Mrs ⓞ
153 Cooley Margt Mrs
Murphy Michl J
Hassett Raymond
156 Reilly Jos P ⓞ gro
Danahy John J
rear Feeney Jos P
158 Wolff Wm A
168 Daly Wm J restr
Sadlo Jacob
Mackinaw intersects
185 Fleming John T
189ΔMcNerny Martin T ⓞ
Morgan Amelia Mrs
190 Woitasik Frank
191 Michel Victor W ⓞ
Sweeney John J
192ΔLoops Louis J
193ΔRoller Belle Mrs ⓞ
197 Fitzgerald Geo P
Bolt Wm
rear Reynolds Wm
198 McElligott Edw L
O'Leary John J
200 Fuszia Peter
Maddex Raymond
201 Walsh Mary ⓞ
Kane Bridget Mrs
rear Vacant
202 Mazur Valeria Mrs
203 Fitzgerald Loretta M
Smietana Andrew
Connolly Paul E
204ΔJedrysik Jos ⓞ gro
Miami intersects
205 Burke Margt Mrs
Kennedy Andrew J
207 Miller Fredk J
211 Crew Edgar J
215 Carney John J
217 Szermeta Michl
Dories Jos J
219 Flynn Bridget
Helmer Conrad J
220 Southworth Emery F
221ΔAckerman Edw
222ΔWaver Orsamus ⓞ coal and ice
224 Burke John P
Fitzgerald Chas T
225 Berthiaume Candid
Epavets Agnes J
Vende Anthony
rear Markowski Thos
226ΔWarren Edw J ⓞ
228 Fabian Jos
Siergaej Jos
rear Lukacovic Alex
229 Garbatowicz Peter
Bowman Geo R
rear Vacant
230ΔMcKibben Frank J
Fletcher Fredk D
231 Griffin Thos A
Kirisitz Frank J
rear Haggerty Bernard B
233 Scott Martin J
Quinn Michl J
rear Chandler Ceylon
234 Baniewicz John ⓞ
236 Anderson Jas O
Elk intersects
264 Dunn Geo J
265 Kelly Jas B ⓞ
Orehan Jennie Mrs
rear Vacant
266 Dunn Geo M ⓞ
Coatsworth ends
267 Hayes David J
Ludwig Irving
Ellis John J ⓞ
Ward Minerva Mrs
269 Edwards Chas A
Griffin Margt Mrs
270 Bellet Paul L ⓞ
271ΔMcGrath John J ⓞ
272 Vacant
273ΔWilson Danl ⓞ
274 Irish Anna Mrs
Cummings Wm A
275 Cavanaugh Eug J
Griffin Thos J
279 Smith Jos A
281ΔMcNichol Jas J confr
Fulton intersects
289ΔWageman M & E gros
Wageman Eliz ⓞ
290 Jarnot John ⓞ soft drinks
291 Nunan Ellen Mrs ⓞ
293 Levorchick John ⓞ
Cunningham Simon
King Harry
Ward Jos
294 Mereski Walter
295 McMahon Mary
Kozlowski Konstanty ⓞ
296 Stoklosa Kath A Mrs
297 Bujnicki Stanley ⓞ
Devine John
298 Budzinski Zigmund
300 Krasowski Antonina Mrs ⓞ
302 Hevner Chas C
Stannard al intersects
303 Trainor Frank
305 Heppel Lillian Mrs
306 Miller Walter J ⓞ
307 Krzennski Thos
Whitney Edw
308 Vacant
Perry intersects
333 Bugnisne Frank
334 Johnson Earl T
Conway Fred
335 O'Brien Denis J
Lehigh Valley R R intersects
Scott intersects
349ΔGlobe Plaster Co (whse)
367ΔWhitmer-Jackson Co Inc sash and doors
390ΔBuffalo Sewage Disposal plant
Buffalo Utilization Plant
N Y C R R intersects
Exchange intersects
Seneca intersects
505ΔAtlantic Commission Co
Myrtle intersects
508 (364) Guzzo Albert ⓞ
519ΔGt A & P Tea Co (whse)
Pacific Transportation Lines Inc (br)

HAMBURG TURNPIKE (Changed to Harbor Turnpike)

HAMILTON—From Niagara River and 1917 Niagara east to 300 Tonawanda
1ΔGravel Products Corp (br)
3 Chuddy Michl
5 Delmonto Paving Co Inc
9ΔLatcu Sophia Mrs ⓞ restr
Dann ends
Niagara intersects
30 Ketter Frank A dry gds
32ΔEschborn Norma Mrs ⓞ
ΔMcLaren Ernest J
33 Zimmer Michl
35 Vacant
37 Vacant
41 Hewson Chas D ⓞ
43 Leitner John ⓞ baker
Dearborn intersects
59 Ryckman Herbert A putr
ΔSmith Jennie Mrs
61 Bittner Peter
62 Woelfle Cath E
67 Myers Edw W printer
Kling Geo R
68 Vacant store
Zorich Anthony F
69ΔEhlers Chas A ⓞ gro
East intersects
84 Oppel John tailor
85 Bardol Anna Mrs
86 Gross Jos ⓞ
Scholl John C jr
Rieger Peter
rear Hoffman Karl
87 Krawchuk Theo
rear Mazur Steph
89 Levea Clement E
Endres Sarah Mrs
rear Bihayko John
90 Dzygun Wasyl ⓞ
Hussak Steven
91 Parsons Henry
Rapseik Wm
rear Papp John
92 Wargo John J ⓞ
Nazon Alex
93 Welsh Alice V Mrs
95ΔLurwig Florian F ⓞ gro
Dornbach Louisa Mrs
96 Bernhardt John ⓞ
ΔEndres Rudolph M
Hoffman pl intersects
100 Grgurich Jos ⓞ
101ΔHartmann Chas J ⓞ
tile contr
Begner Geo R
105ΔSteffan Oscar A ⓞ milk
Steffan Verna T dancing tchr
107ΔBecker Albert J ⓞ coal
Williams Richd
108 Juhasz Paul A
110 Mager Earl
Juhgasz Jos J
111 Halsdorfer Steph M
Hayer Stephanie Mrs
113 Kaprusan Geo ⓞ
114 King Henry
ΔBradford Geo W
ΔHaimer John K
115 Mengay Wm J
116 Vacant store
Kremser Leo
Rapseik Wm J
119 Wydysh Nicholas gro
Thompson intersects
132 Vacant store
Braun Chas
136 Feirich Louis E ⓞ
ΔSturner John C
142 Landel Jacob
144 Barcikowski Clara Mrs ⓞ gro
Gorton intersects
152 McCarthy John L ⓞ
158ΔBlumenthal Anna ⓞ
DL&WRR intersects
Tonawanda intersects

LARKIN ST 1935

LARK—Contd
32 Stallone Jos ⓞ
Rude Coleman junk
35 Becker Frank
Becker Anna mus tchr
ΔBrindley John G
36 DeMarzio Eliz Mrs ⓞ
37 Martino Albert
Graham Seth
rear Trentadue Frank
38 Aschieri Emidio ⓞ
Potash Harry
40 DeMarzio Barney ⓞ
Rosen Beni
41 Chosie Jas F
Christopher Danl
43ΔHouser Wm I
Schenk Jos
44ΔGrasso Lawrence
Rosenthal Leonard
47 Raskin Nathan R
ΔBerrigan Virginia Mrs
48 Saviola Peter ⓞ
Barbieri John
51ΔLogan Chas
Brooks Morris
52 Rosen Meyer coal
ΔUrkofsky Meyer ⓞ
53 Stockman Amby H
ΔRuben Harry ⓞ
55 Walker Anna Mrs
Muir Carrie C Mrs
56 Kushner Azrel ⓞ
Meyers Frances Mrs
58 Marshall Claude R
Simon Nathan
62ΔSaltarelli Danl ⓞ
Reeves Harold
rear Vacant
74 Idarola Vincent J ⓞ
75 Speich Louise Mrs
76ΔDwyer John J ⓞ
77 Schrader Wm C
78 Sibilio Jos ⓞ
79 Engel Bertha Mrs ⓞ
80 Greco Vincent
81 Claxton Lowell G
Pedano Vito
82ΔNeupert Mfg Co Inc elec household appliance mfrs
ΔRudisile Herman caterer
83 Magrone Maurice
Vitale Augustine
84 Bauer Frank G
Murr Carlton W
85 Duke Harry huckster
Andresino Louis
Northland av intersects

LARKIN—From 618 Scott, north to 645 Seneca
189 Misiak Magdeline Mrs ⓞ
197 Panek Mary Mrs ⓞ
ΔDoskocz Mary Mrs
205 Janiak Raymond
207 Szczesek Cath Mrs ⓞ
209 Carney Thos P
211 Pikul Jos ⓞ
Kopec Frank
215 Hankowski Frank ⓞ restr
Roseville intersects
Railroad intersects
293ΔWallace & Tiernan Co mfg chemists
ΔLucidol Corp mfg chemists
295ΔMoran M Transportation Co (yards)
Exchange intersects
Carroll intersects
305ΔPurity Yeast Co Inc
Hurst Jos E
313ΔOffice Toilet Supply Co
Seneca intersects

LA SALLE AV—From 3025 Main, east to Eggert rd
15 Browne John B
21ΔMetz H S Coal Co
25ΔMenig Jos F
29ΔLexington Lumber Co Inc
33 Jaeger Fred C
36ΔSimons Walter B real est
37 Donovan Lee B ⓞ
40 Vanderbush Frank B ⓞ
Colquhoun Jos
45ΔMulchay Thos H
Pfeiffer Eug H
48 DeVoe H Kenneth
Davis Emory E
49 Blatchley Chas J
78 Wenke Rudolph P ⓞ
80 Schenk Carl G ⓞ
98 Crotty Frank G
Graham Chas A
Crawford Jas
100ΔMcKay Gordon B
Gellman Frank M
101 City Ice & Fuel Co (br)
106ΔGustafson Hialmar A ⓞ
110ΔWink Frank J
Warning Fred C ⓞ
115 Gilmour Auto & Battery Serv
Cordova av intersects
Shirley intersects
127 Strasser Edwin C ⓞ
131ΔBrennan Jas
ΔBeyser Jas P
135ΔCoon Walter C ⓞ
137ΔDick Eliz A Mrs
Wagner Russell G
Snyder Fred O
140ΔHazen John Rev ⓞ
141ΔSattler John ⓞ
142ΔSmith Wm J ⓞ
148 Kirkendall Harry G ⓞ
152ΔWoods Norman E
153ΔWendel Fredk ⓞ
ΔEckhardt Louis O
154ΔFreyer Fred ⓞ
155ΔDaniels Edw L ⓞ
157 Smyth Wm S ⓞ
158 Davis Jas A ⓞ
ΔLembke Arth G
162ΔLaux Chas J ⓞ
ΔAllen Wallace D
163ΔHeilbron Wallace W ⓞ
166ΔGoettelman Chas J ⓞ
167ΔGibson Chas H
Range av intersects
172 Regner Jos J ⓞ
176 Bolt Alf J ⓞ
177ΔStevenson Francis A ⓞ
180ΔBrandt Fredk H ⓞ
181ΔMiller Wilbert J ⓞ
185ΔBarry Jas W ⓞ
Hotchkiss Frank S
186ΔReichert Robt L ⓞ
188ΔWenger Edw C ⓞ
189 Lumbard Arth W
ΔAmbirk Peter M
192 Wenger Norman W ⓞ
193 VanEps Donald G
Hart Maurice R
196ΔSchoenborn Lawrence
ΔGowans Henry D
197ΔGill Chas W S ⓞ
ΔYoung Chas R
Poppenberg Gustav H
200ΔBeck Emil B ⓞ
Seitz Henry
201ΔMoriarity Geo F ⓞ
204 Coon Edw G
ΔGlatzel Geo J
205ΔMiller John A
208ΔMeyer Harold G ⓞ plmbr
209 Krieger Minnie C Mrs ⓞ
211ΔWeisenheimer Edw J W ⓞ
212 Schenk Chas F ⓞ
216 Hemenlein Wm E ⓞ
Seeger Otto H F
217ΔErickson Hannah C Mrs
ΔDiebold Eug L
220ΔWarning Barbara Mrs ⓞ
221ΔWeber Arth L
224ΔCarland Geo M ⓞ
225ΔDauterman Albert G ⓞ ins
229ΔGibson Chas H ⓞ
230ΔUrban Grace M Mrs
Park Ridge av intersects
241ΔHurley Thos J ⓞ
ΔHutchins Verner O
245ΔPopp Howard F ⓞ
246 Laesser John M ⓞ
Fischle Geo H
249 Miller Chas E ⓞ
250ΔWitt Frank ⓞ
253ΔOts Edw R
ΔMartinke Geo E plmbr
254ΔSears G Ward
ΔPfeiffer Edmund G
257ΔGilmour Francis C ⓞ
258 Flammer Christopher ⓞ
ΔBennett M Agatha
260 Ashford Wm C
ΔKamprath Walter G ⓞ
263ΔNorman Christ
Rector Wm G
264 Walsh Thos P
265ΔGood Martin G ⓞ
Good Edith E mus tchr
266ΔMarvin Kellogg A
ΔBauman John V ⓞ
269 Schleuse John F ⓞ
Clark John A
272 Fortkort Arth L ⓞ
ΔGarey Jas A
273 Ferris Ralph D
Grant Jas P
276ΔAdams Cyrus E ⓞ
277ΔLawe Robt H ⓞ bldg contr
ΔPaxon Roy J
ΔPfister Jos
280 Schweizer Chas A
281ΔWilliams Maurice W
285ΔBouman John H
286 Lewis Jas W ⓞ
290 Muller Conrad E
Fitzgerald E J
291ΔMinder Chas ⓞ
294ΔBraun Wm L ⓞ
295ΔBielmeier Edw P ⓞ parcel delivery
297 Spencer Wm J ⓞ
298ΔArmsten Alex P ⓞ
301 Cram Harold R ⓞ
ΔHolmes Oliver W
302 Ferry Della B Mrs
305ΔSager Fred C ⓞ
306 Reger John M ⓞ
308 Clay Roy T
309 Keding Albert C
Hoeckh Geo M
313 Mattulke Arth
ΔKuntz Emil ⓞ
314 Rebescher Bernard O
Ferris Ralph D
317 Frye Alex W
Reid Alex C
318ΔGetzin Wm C ⓞ
321ΔSchneeberger Jos P ⓞ
Freeborough Milton R
322ΔBurt Henry A ⓞ
325ΔKuhn Gustave A ⓞ
Nuessle Leonard
326 McCulloch Louis S ⓞ
Kanlin David J
329ΔPlato Willard E
Hilbrecht Kate Mrs
330 Schultz Herbert E ⓞ plmbr
ΔKissinger Mary A Mrs
333 Didley Eug G ⓞ
334ΔPrechtl Albert ⓞ
337ΔHohm Frank G ⓞ
Hohm F Gerald pntr
Hohm Loretta artist
338ΔLaDuca Louis G ⓞ
Comstock av intersects
352ΔCasten Ira B ⓞ
353 Heffer Leon A
ΔHarman Horace C
355 Recktenwalt Florian J ⓞ
356ΔJuergens Carl M ⓞ
360 Vacant
361ΔHeimerle John C ⓞ
Sanders Howard F
364 Kamprath Oliver L ⓞ
365ΔZimmermann Geo W ⓞ
Wallrich Michl
367 Maier Albert E ⓞ
368ΔVanDick Steph ⓞ plmbr
371 Schier Chas A ⓞ
372ΔSeaberg Orvard L
376ΔHolmes Howard W
377 DeNoon Jas E
Kibler Albert G
ΔLentz Ray ⓞ
380 Miller Elmer H ⓞ
381 Hagen Wm C
Tock Ira W
382ΔBrendel John M ⓞ
385ΔBarwell Kenneth J
Brader Aug
386ΔBarth John W ⓞ
389ΔTeigler Fredk W ⓞ
390ΔNoller Conrad plmbr
ΔArbogast Bertha Mrs
393 Mulde Jos A ⓞ
394ΔNickles Kath A ⓞ
396ΔEastman Ray F ⓞ
397ΔZelin Leo G ⓞ
399ΔMorrison John C
400 Holmes Arth W
403 Wunderlie Ernst ⓞ
404 Wehrfritz Hugo ⓞ
405 McGiffin John C
406 Goergen Jos P ⓞ
409ΔSchwabl Geo H ⓞ paperhngr
410 Fields Raymond G
413 Bailey Lawrence P ⓞ
414ΔHunsinger Herbert J ⓞ
415 Till John H
416ΔFox Chas E J
417 Voelker Herbert G
420 Flick John S ⓞ
423ΔGutstein Edw
424ΔYeager C Albert
425 Feilman Jos A
426 Cornell Wm J
429 Willert Wm E ⓞ
430 Vacant
432 Burley Sherwood F ⓞ
433 Landers Jos A ⓞ
Bailey av intersects
511 Hutchinson Allan C
ΔStickle Horton W jr
515 Robertson Theo
517ΔRast Margt K Mrs
518 Mason Thos H ⓞ
Butchart Marshall W
519 Lennox Thos H ⓞ
522 Adams Albert H ⓞ
523 Sacher Wm W
524 White Geo H ⓞ
526ΔBrooks Jas D ⓞ
527 Plumley Wm E ⓞ
Nisely Morton H
530 Mayer Walter E
531 Fotch Raymond P
532 Wetter John J ⓞ paperhngr
533ΔDethloff Frank C ⓞ
534 Kiefer Edw P
Roorda Danl J
537 Gerstner Bertha Mrs ⓞ
538 Beller Jacob ⓞ
541ΔSaxe Chas F ⓞ
542 Rosenberg Leonard
543ΔSolly Geo L ⓞ
544 Hauf Richd
ΔSellon Danl J
547ΔGoembel Walter V
Spence Richd E
548ΔGrimm Otto H ⓞ
549ΔHarold Walter ⓞ
Bellman Albert F
550 Larch Austin
ΔHauser Magdalene Mrs ⓞ
553ΔCarter Lena Mrs ⓞ
Weckmann Albert
554ΔKlotzbach Harry E ⓞ
ΔLaSalle Press printers
Klotzbach L Eug philatelist
555ΔHahn Wilbur
ΔSelby Chester E
556ΔHoffman Ida D Mrs ⓞ
559ΔHoffman Valentine A jr
560 Danitz Anthony
562ΔAumer John ⓞ
563 Bauer Geo ⓞ
Rosenhahn Elmer E
DeYoung Francis
566ΔHoefner Geo W ⓞ
567ΔBoeck Edwin J
Sturtevant Frank L
570 Wagner Louis J ⓞ
Suffolk av intersects
577ΔCran Wm ⓞ
581ΔWaites Jas J ⓞ
582 Weist Robt H ⓞ
Both Chas
583ΔKlein Theo ⓞ
584ΔO'Connell Jas J
587 Schurr Elmer L ⓞ
588ΔKamprath Fredk A ⓞ
589ΔBerlinghoff Arth J
590 Zimmerman John M ⓞ
593 Koch Ehrhardt ⓞ
594 Dormeyer Ernest W ⓞ
595 Bergin Geo J ⓞ
596ΔKelley Jas ⓞ

SENECA ST 1935

SENECA—Contd
430 Griffin Clyde pntr
432 Bordonaro Sebastian
Tortora Carl
434 Periflo Bernard gro
Lapi Jos
DiRuzzo Jos
Moghabghab Wadeeh
Cattone John
Damiano Battista
Mosca Dominic
438 Mastrolacovo Michl
Benton Grant
440△Romo Jos Ⓞ restr
446 Vacant
448 Vacant store
Safti Tekla Mrs
450 Faith Tabernacle Baptist Church
△Clore Violet Rev
Clore Wm
452 Compofelice Frank Ⓞ
Salinardo Danl J
454 Davis Susan
Johnson Robt
462 DiMarco Frank
Salemi Mary Mrs
464 DiFonzo Fannie
Valenti Josephine Mrs
466 Costa Jas A
Maniscalco Anna Mrs Ⓞ
468 Vacant store
Noon Jos
470△Hex Mfg Co novelties
474 Santoro Bros barbers
Arcuri Vito
476 Lillard Thos
478△Bravos Aristides restr
480 Pepe Anthony Ⓞ
484△Socony-Vacuum Oil Co (br)
Alabama ends
487-93△International Harvester Co of America
Spring begins
495-97△Hubbs & Howe Co whol paper
499-505 Hecker-Jones-Jewel Milling Division flour mills
△Standard Milling Co flour mills
513△Marshlow Corp whol gros
514△Burt F N Co Ltd box mfrs
515-41△Gisel Bakers Supplies Corp
△Keystone Warehouse Co storage
△Southern Steamship Co
△Manhattan Soap Co
Hamburg intersects
NYCRR crosses
551 Ideal Heating Co
△Ideal Furnace Co
Jefferson begins
Red Jacket ends
621 Larkin Co (power house)
Larkin ends
680△Larkin Co Inc soap mfrs administration bldg
△Signode Steel Strapping Co
690 Larkin Co Inc Auditorium and Visitors' Entrance
Larkin Co Inc Women's Employment Office
Larkin Women's Council
694 Larkin Co Inc Men's Employment Office
696 Larkin Men's Club
698△Engine Co No 32
700△Hook and Ladder Co No 5
701△Penders Jas J glue
△Larkin Co Inc general factory office
△Larkin Co Inc dept store
△Larkin Co Inc (br) gros
706△Lark Helen E Mrs beauty shop
708△Murray Margt Mrs confr
VanRensselaer ends
710 Contino John barber
712 Vacant
714-16 Zazula John restr
718 Schaffer Alex tires
Pomelek Leo
725△Larkin Co Inc filling sta
Swan ends
733△Telis Peter Ⓞ restr
735△Hoffman John L phys
Telis Peter Ⓞ
Carrier Geo B
738△Marine Trust Co (Seneca br)
Casey Wm F notary
△Rverse Oscar G dentist
△Lynch Chas V Agency ins
△Good Stuart A phys
Emslie begins
741△Deco Restaurants Inc (br)
742 Great A & P Tea Co (br) gros
Walters Stanley F
White John
744 Emele Nicholas confr
Tenbrook Eliz E Mrs
745△Wollschlager Minnie T Mrs Ⓞ dry gds
746△Lesniowski John meats
Albrecht Louis Ⓞ
748△O'Connell Jos liquors
Loops Harold
Reitz Cath
750 Vacant store
754 Vacant
755△McMahon Michl J phys
△Keller's Pharmacy
Thomas Ernest
△Interstate Motor Freight System (br)
Wright Jas A
756△Winkler F X Sons restr
757△Norris Michl restr
759△Fohl Chas F meats
Ball Geo
760-64△Winkler F X Sons gros
Winkler Frank X
761 Vacant store
Horodynski Walter
763 DiFiglia Jos V barber
766△Hydraulic Mutual Savings & Loan Assn
Menger Dorothy Mrs
767 Melnyk Andrew shoe repr
768△Franks E A & Son hdw
770△Bartoszek Jos restr
771 Vacant store
Weber Geo W
772△Seneca Theatre motion pictures
773 Falkner Jos J shoes
Parcheta Jos
775 Seneca Supply Co hdw
Mayer John clo mfr
776 Vacant
777△Miller Bernard G confr
780△Short May K Mrs beauty shop
rear Lisowski John
Lynch Chas J
781△Buffalo Post Office Station D
Gall Harry
Kryszak Walter I
Hydraulic ends
782 Harbison Peter J Ⓞ
784 Vacant store
Himes Morton K tire repr
788△Alert Plumbing Supply Co Inc
789△Girls Preparatory School
792△Terry T L Inc jwlrs
Francher Angeline Mrs
Taylor Lloyd B
794△Pronobis Adam T meats
Herold Frank Ⓞ
797-807△Dollar Dry Cleaning Co Inc
798△Cline Jerome W plmbr
800 Downes Chas
rear Brady Dora L Mrs
802△Noon Ann C Mrs Ⓞ gro
809 Vacant store
811△Kraft Arth F tailor
813-15 Vacant
817△Pyszczynski Stanley Ⓞ confr
Krzywosz Theo R
819 Vacant store
Jablonski Frank
rear Chowaniec Anthony
Szymkowski John
823△Considine Lawrence Ⓞ gro
Glowick Stanley J
Griffin ends
Lord begins
829 Vacant store
Jurewicz Hipolite
Thrun John
Glowacki John
831 Paluch Andrew gro
832△Tidewater Oil Co filling sta
833 Jalowka Walter whol confr
837 Niesyty Peter shoe repr
839 Borodzik Jos
840△Blocha Hariton Ⓞ restr
Czechowski John
843 Yalowich Isaac M elec contr
rear Vacant
844△Ludera Casimir Ⓞ gro
Halady Jacob
847 Vacant store
849 Battaglia Jos barber
Klimko Jos
851 Zink Jos Ⓞ confr
Stein Alice Mrs
852 Smutek Magdalene Mrs Ⓞ
△Downey Martin J phys
Schaub Magdalen Mrs
Olszowka Andrew
Boyle W Norman
853 Strzepa Peter Ⓞ barber
Oleski Julius
Waluchniewicz Steph
rear Gearman Margt Mrs
855 Vacant
857 Vacant store
Przyepasniak Caroline Mrs
Borodzik Frank
860△Contractors Ornamental Steel Co Inc
863 Szumiel Peter restr
Borodzik Leo
rear Griffin Athletic Club
Grosso Anthony
864 Kane Margt Mrs
Rozmus Anthony
rear△Wolfe Chas J
Berthiaume Leo J
865△Binalas Manuel confr
Borkowski Mary Mrs
rear Guzik Anthony
866△Kazmierczak Louis Ⓞ real est and notary
Kozak Vincent
867 Mittendorf Chas P pntr
Zientek Matthew
Rollins Leslie
870△Krzyzanowski Andrew Ⓞ trucking
871 Vacant
872 Orzech Anthony meats
Woloszyn Adam
rear Nykiel Anna Mrs
873 Vacant store
Dengos Andrew F mus tchr
874△Gertz Frank Ⓞ
875△Dengos Walter Ⓞ restr
876-78△Butcher Howard H auto repr
877-87△Liquid Carbonic Corp soda fountain supplies
886△Marlow Frank Ⓞ liquor
Suwalski Walter
888 Vacant
889 Summers Robt
Suszynski Jos
Jankowski Walter
Oryszak Mary Mrs
Schwartz Saml
rear Sliwa John Ⓞ
891 Vacant
891½ Keska Mary Mrs
892 Chmurzynski John shoe repr
892½ Guarino Anthony J barber
894 Vacant
Fillmore av begins
Smith intersects
903△Conrad Thos confr
906 Alaksieckik Carl restr
rear Ashman Alvin
910 Olszowka Michl Ⓞ
Piechnik Stanley
912△Clancy P J & Son Ⓞ real est
Burns Mary E Mrs
914△Saj John
rear Barus Thos
916 Panikowski Andrew
rear Paweski Lawrence
918 Steinberg Andrew clo clnr
935 Wick John
937 Kurchingko John
939 Dembski Wm J
Nowak John
940△Buffalo Hardwood Lumber Co
△Bleichfeld Bag & Burlap Co
△Waltz R D Transportation Co
Selkirk intersects
959 Owczarzak Michl C
961 Kazubowski Helen Mrs
963 Rossell Stanley
967 Pachut Anthony
Wonsowiz Rose Mrs
Wozniak John
Wiacek John
980△Bittner Henry A exp
Exchange intersects
994-98 Vacant
1035△Pierce Grain Corp
△Transfer Elevator Corp
1043△Schurr David J
1055△Atlantic Lumber Co Inc The
1073 Cutway Lawrence
1077△Quinn Patk J Ⓞ
1079 Taublieb Isadore T Ⓞ shoes
Walsh Wm P
Peabody intersects
1087 Heller Edw
Heller Edwin
1089 Tober Monroe
Tober Rudolph W Ⓞ
1095 Vacant store
National Tea Co (br) gros
Intrabartola Frank Ⓞ
1097 Buffalo Times sub sta
1100△Blakeslee, Perrin & Darling hardwood lumber
△Seneca Fuel Co
1101 Gussett Edgar A
Huber Geo E
rear Kinsella Patk J
Kelty John J Ⓞ
Walter intersects
1115△Apczynski Steph restr
1116△Chapin & Fagin Inc junk
△National Lumber Co
1117 Vacant store
Matteson Elmer A
1119△Jackson Jessie R confr
Cogan Jas M
Long Henry
1121 Vacant store
Zindle Jos H
Urbanowski Adolf J
Stevenson Jas E
1123 Radomski Leopold A gro
Bowers Felix J
1131 Vacant store
Liberti Jos
1132△Westinghouse Elec & Mfg Co
1133△Lock Frank E drugs
U S Post Office Sta No 40
Chadwick Leon M
Maurice intersects
1139△Gerlach Leon Z confr
Frew Harold J
Fortin Jos G
1143 Vacant store
Widmann Chas L
1145 Smallenburg Mason C hdw
Smallenburg Wm L Ⓞ barber
1146△Robinson Clay Product Co
1149 Bills Mae Mrs
1151△Bartel Jos P gro
Harrington Arth J
Korzeniowski Paul
1154△Elk Filling Corp (br)
1155 Murphy Viola Mrs beauty shop
1159△Bihr Gottlieb Ⓞ gro
Orlando intersects
1164 Fiore Fredk C shoe repr
1166-68 Arber Frank H hdw
1167△Russert Frank G & Son confrs
Jacobs Morris
△Carney Cornelius J
1168 Skea Peter
1169 Bugin Saml tailor
1170 Ashburn Anna S Mrs
Keating Jos
Wasson begins
1173△Doyle Jos C
△Garvey John H Ⓞ
1175△Arndt Albert L Ⓞ

EXCHANGE ST 1930

EUREKA PL—Contd
63 Atherton Jas
Mills Edw E
Hickler Lester W
65 Strong Geo ⓪
Wilkinson John M
67 Roberts Wm
Genesee intersects

EVADENE—From 145 Englewood av northwest to 45 Montrose av
14 Chetney Ella B Mrs ⓪
17 Leydecker Abigail B ⓪ drsmkr
18 Riegel E Raymond ⓪
21 Degenhard Henry S ⓪
22 Page Edw J ⓪
25 Boyd Wm L
26 Daly Wm J
27 Nather Christian
Gates Carting Co
Gates Warren
28 Flint Walter C
Montrose av intersects

EVANS—From 69 Water northwest to 82 Terrace
6-24 McDougall-Butler Co Inc paint mfrs
28 Sedoti Filippo
29 Paladino Jas
Sciortino Antonio
31 Chiarello Paolo
DiBella Cruciano
33 Sorci Antonio
34 Lorenzo Maria Mrs ⓪
Colotta Domenico gro
Livorno Guiseppe
Lorenzo Jos
Militello Martino
Scardino Sebastiano
Sirianni Frank
Santangelo Jas
Tomasullo Arth
35 Paladino Paolo
37 Bellanti Jennie Mrs
38 Vacant store
39 Manzella Magdeline Mrs
Tarantino Carmelo
40 Candello Saverio billiards
Arcara Jos
Armento Frank
Armento Giovanni
Caligiuri Russell
Carlino Angelo
Chimera Chas
Colucci Nicola
Geraci Giuseppe
Guzzetta Francisco
Missico Anthony
Missico Maria Mrs
Parlato Giuseppe
Sperazza Diego
Zannello Antonio
43 Buscaglia Jos ⓪
Castrogiovanni Antonio
Marinaro Vito
Terranova Filippo
Zicari Alfonso
45 Mangano Dominic
Grandillo Stefano ⓪
47 Vacant store
Mariniaro Anthony
Zandano Isadore
48 DiGiacomo Donato soft drinks
Dante pl intersects
63 Vacant store
65 Vacant
66 Vacant
67 Vacant
68 Vacant
71 DiPasquale Saml soft drinks
Terrace intersects

EVANSTON PLACE — From 50 Sibley east to Julius
58 Burke Jas E
Nicholson Harry J
62 McAlpine John
Donnelly John
63 Powers Edw
67 Szewczyk Andrew
Julius intersects

EVELYN — From 355 Esser av southeast to NYCRR
11 Ollari Moricz ⓪
Whittaker Jos I
15 Newhouse Lawrence J
Lavelle Wm J
19 Clark Homer J
Hambleton Edw E
21 Keil Wm G ⓪
41 Flood John J
45 Glor Leonard
46 Burlingame Stanley H
49 Hyndman Wm J jr
50 Frick Louis G
51 Kirschner Cornelius
52 Wonnacott Robertine P Mrs
54 Allen Ralph ⓪
55 Ailinger Sylvester
56 Brown Clarence J ⓪
57 Hassey Clayton J ⓪
Runnalls Anna Mrs
58 Szumla Paul ⓪
61 Gunning Herbert
62 Schamberg Geo
Botto Robt J
63 Francis Alex ⓪
64 Henning Herman J
Bannister Fred
67 Stoll Louis L
68 Heinz Chas
69 Shatehan Wm
Stoll Louis L ⓪
70 Riverside Richd
73 Popaliski Alf ⓪
74 Flieri Clarence ⓪
75 Burke Frank A
76 Cavender Nora C Mrs
77 Sander Louis J
80 Mooney John P ⓪
81 Shrigley Roland C
82 Maricle Frank E
Ontario intersects
116 Kish Jas
120 Langel Frank
121 Vacant
121 Simpson Edw J
123 Strack Frank J
126 Ginther Andrew
127 Lindemann Geo
128 Ralph Reginald
132 Pearson John H
133 Bermel Peter
134 Koncsol Steven
138 Bonestead Edwin
139 Bota Jos
140 Muranyi Jos
144 Miller Albert R
145 Sullivan Thos
146 Vacant
149 Wysocki Julian
151 Aberhaun Rose Mrs
153 Griffin Wm J

EXCHANGE—From 177 Main east to 987 Seneca
ne cor Mannello Felix shoe shiner
1 Bevinetti Anthony restr
7 Vacant
9 Buonamici Jas emp agcy
10 Vacant
11 Ott Christ confr
12 Levito Thos restr
14 Frontier Glove Co
Old Reliable Barber School
15 Vacant
16 Buffalo Barber School
17 Vacant
18 Gar-Oak Leather Co shoe findings
19 Erie Employment & Supply Co
20 Whalen Edw M
21 Ruggieri Donald barber
22 Hotel Washington
23 Vacant
Washington intersects
31 Morabito Felix
33 Murphy Jas emp agcy
35 Vacant
37 Vacant
38 Vacant
39 Vacant
40½ Vacant
41 Atlas Emp & Commissary Co
43 Stone Wm E
44 Vacant
45 Stone Wm E soft drinks
Kelly John
47 Erie R R labor office
49 Vacant
50-52 Frasse Peter A & Co Inc steel
54 Pearlman J M & Son emp agcy
56 Vacant
58 Hotel Avon
Ellicott intersects
64 McGuire Wm
66 Drescher Geo E & Son plmbrs
68 National Jewelry Case Co
70 Truscott Fredk & Son Co elec contrs
72 Fornes J M & Co leather
74 Bolton Jos
76 Welcome Hotel
March John emp agcy
78 McFarren Robt M adv
Queen City Photo Engraving Co Inc
80-82 Frontier Linen Supply Co
82 Vacant
84 Vacant
86-88 Vacant
90-96 Queen City House Wrecking Co
98 Rala Anthony confr
98½ Vacant
100 Vacant
102-04 Vacant
106 Nell Chas soft drinks
108 Vacant
110 Vacant
112 Vacant
122-24 Vacant
Wells intersects
130 Kran Wm J restr
131 N Y Central R R pass sta
136 Arlington Hotel
138 Vacant
140 Vacant
142 Thier Harry restr
DeLuxe Wm shoe shiner
144 Vacant
146-48 Mastaffa Sabry
150 Hall Jas L barber
152 Siegel Wm soft drinks
154-56 Vacant
157 Vacant
158 Montgomery Danl A billiards
159 NYCRR plmbg dept
160 Grace Jos restr
162 Vacant
164 Broyles Frances Mrs tailor
165 Vacant
166 Vacant
168 Vacant
169 Vacant
170 Ross Anthony confr
171 Vacant
172 Vacant
173 Trapani Dominick emp agcy
175 Vacant
177-79 Castellani Anthony restr
178 City Hotel
Michigan intersects
Chicago intersects
Louisiana intersects
Alabama intersects
Hamburgh intersects
567-87 Buffalo Lounge Co
568 Vacant
Jefferson intersects
600 Larkin Co filling sta
Red Jacket intersects
656 Larkin Co garage
659 Iroquois Door Co
Larkin intersects
se cor Wabash Ry Co frt office
Van Rensselaer intersects
Hydraulic intersects
Smith intersects
927 Strauss Edw J ⓪ soft drinks
929 Dziedzic Andrew ⓪
931 Vacant
933 Zak Martin
Zuber Jos
936 Niedzwiedzki Michl
Rynski Adam ⓪
938 Kicinski Felix ⓪
939 Polek Harry
Dohopolski John
941 Bednarski John
945 Gwarek John
Sluchan Roman ⓪
949 Szczepanik Michl ⓪ gro
Kowal Adam
951 Kobus Stanley
Prusinski Constantine
rear Evaniuk Michl
955 Spont Anna Mrs
Tworzydlo Roman
rear Bednarz Philip
Batycki Anthony
961 Solomon John J ⓪
Mott Wm E
963 Leckenby Clara Mrs
Nestor Wasyl
Nowicki Frank
Barren John W
965 Smardz Henry
967 Szwaczkowski Ignatius ⓪ baker
976 Lucas Wm
978 Vacant
979 Barren Frank ⓪
Lester Jas
980 Saj John
981 Kwiatkowski Anna Mrs
982 Vacant
Selkirk Intersets
983 Podgorny Vincent ⓪ gro
Klimko Edw
991 Lofek Frank gro
995 Szczepanik Victoria Mrs ⓪ soft drinks
997 Grochol Vincent ⓪
999 Denek Steph ⓪
Rejewski Boleslaus
rear Dzieciuch Geo
1001 Szczepanik Jos soft drinks
rear Mydlarz Stanley
Seneca intersects

EXPRESS—From 222 Pearl west to 121 Franklin
(No houses)

FAIRCHILD PLACE—From 571 Linden av north to 1185 Hertel av
1 Durham Mame Mrs ⓪
Stern Louis
2 Berry Wm J
Hertz Norman J
5 Soibelman David
Rumizen Maurice J
6 Gardner Lillian M Mrs
MacQuarrie Christie A ⓪
9 Dascomb Harry B ⓪
10 Clifford Francis T
King Betty
15 Bonsteel Floyd J
16 Lotz John O
Marshall Wm H
17 Flore Wm C ⓪
18 Zangerle Frank F ⓪
19 Bearss Stanley L
Busch Jos H
20 Day Raymond S
Diebold Edw E ⓪
23 Sanders Chas G
24 Maddigan Patk J ⓪
27 Moest Alvin J ⓪
Kron Clarence J
28 Siegrist Leo F ⓪
29 Lawrence Harold A
30 Onions Geo B ⓪
Tioga ends
33 Brodie Jas H
Markwardt Edw ⓪
37 Brennan John W
Coppage Florence K Mrs
39 Case Mary A Mrs
Koerner Wm J ⓪
40 McKernan Joan Mrs ⓪
Russell Herbert H

LARKIN ST 1930

IF YOU WOULD FIND WHAT YOU WISH TO BUY

LANGMEYER AV—Contd
33 Fischer Anna B Mrs ⓞ
Marko Raymond
34 Frey Gerard J ⓞ
35 Stapleton Wm G ⓞ
36 Hunt Lee ⓞ
37 Dobler Louis T ⓞ
38 Even Wm H ⓞ
40 Howard Walter L ⓞ
43 Styn Alex P ⓞ
45 Chase Milton W ⓞ
46 Shields Eileen Mrs ⓞ
Birrer Eug
47 Wright Chas G ⓞ
Eichhorn Jos
50 Deth Albert C ⓞ
51 Burd Chas L
Stubbe Ida ⓞ
52 Folkman Herman J
Trimm Frank C
Goatseay Albert
53 Bork Geo F ⓞ
Faust Henry J
Arber Roy W
54 Strauss Henry M ⓞ
57 Koepf Edw A
Meyers Chas W
58 Pravel Chas J ⓞ
59 Maue Harry A
Boldt Delia Mrs ⓞ
Dorr Wm H
60 Heisler Jos F ⓞ
Symons Jas B
61 Barchet Andrew
Fursey Richd A
Lawson Fred
62 Wagner Jos C ⓞ
64 Lenhard Wm C
Martin Jos
65 Felschow Wm W ⓞ
67 Kaflein Rose Mrs ⓞ
68 Schalck Louis ⓞ
Schalck Louis jr
69 Wheeler Floyd D ⓞ
Chase Lucius A
Serach Jos A
73 Lidke John R ⓞ
Parks Chas
74 Meissner John R ⓞ
Heisler John G
75 Gravius Wm ⓞ
76 Kreutter Michl
80 Langmeyer John ⓞ
81 Hamilton Helen H Mrs ⓞ
Bailey av intersects

LANSDALE PL—From 455 Koons av, east across Rustic to inner lot
11 Fish Fred C
Tobolski Bernard
13 Slowinski Vincent ⓞ
Hildebrandt C Alberta
19 Gray Thos J
Schieder Chas J
23 Banks Richd J ⓞ
Sminer Frank
25 Bulman Robt R
Grace Albert T
27 Burau Otto C
Gregapentrog Herman F ⓞ
29 Petzonk Carl ⓞ
Schdelbach Henry G
35 Schaeffer Claude A ⓞ
Thombs Amos H
39 Biehl Jos
41 Finsterwald Henry J ⓞ
43 Myers Albert S ⓞ
45 Beth Jacob Cemetery

LANSING—From 192 Military rd, west to 19 Joslyn pl
2-36 Goodyear-Wende Oil Corp
11 Balla Frank
Ladanyi Nicholas
15 Kowach Jas
Robak Stanley
17 Klamowski Danl ⓞ
Lisowski Jos
19 Benedyk Alex
Mudrowski Alex
21 Szur Geza ⓞ
Barka Jos

LARABEE—From 45 Hopkins, east to inner lot
12 Gingher Mary Mrs
16 Koch Adolph

LARCHMONT RD—From University circle, north to 190 Kenmore av
9 Danner Edw J
Henel Mary B drsmkr
11 Deck Gregory J ⓞ
15 Vacant
21 Kremp Conrad A
22 Bodge Clarence W
25 Miller Emily S Mrs ⓞ
26 Schwendler Margt Mrs ⓞ
27 Kurtz Danl C ⓞ
30 Miller Roland C ⓞ
35 Kurtz Nettie Mrs
Radcliffe rd intersects
36 Brandt Wm F ⓞ
39 Blight Elmer B ⓞ
43 Mache Chas L ⓞ
49 Brooks Harrison M ⓞ
53 Roth John ⓞ
65 Proctor Ira
69 Schwarzmeier Victoria ⓞ
Klein John A
Anderson L Franklin phys
73 Lyon Wm K
81 Kuhn Edw G ⓞ
82 Templeton Richd H ⓞ
Bellevue av intersects
87 Wambach Louis ⓞ
90 Beale Gertrude M ⓞ
91 Farrel Frank D ⓞ
93 Grimm Carl C ⓞ
94 Orr Jas S
98 Leiser Jacob ⓞ
99 Elliott John C ⓞ
McCormick Emmett G
102 Pankow Frank L ⓞ
103 Kirch Chas E ⓞ
104 Austin Edw F ⓞ
108 Jackson Marshall S
109 Winegar Chas A ⓞ
112 Howell E Fay
115 Reif Chas A ⓞ
116 Elsheimer Fredk C
117 Sullivan Thos S ⓞ
125 Anderson L Franklin
Kenmore av intersects

LARK—From 28 Sidney, north to 471 Northland av
14 DiPaolo Ralph
Rogers Nathan
15 Spagndletta Matteo ⓞ
Repice Nicola
17 DiFrank Jos ⓞ
Logan Chas
18 Fetto Anthony ⓞ concrete contr
Voigt Albert
19 Rovillo Mauro ⓞ
20 Bavaro Jos
Hoff Augusta Mrs
21 Scinta Lawrence
Moses Adeline Mrs
22 Fallacaro Antoinetta Mrs ⓞ
Heimovitz Jacob
25 Posterman Saml ⓞ
Martin Anna Mrs
29 Davis Frank C ⓞ
Sterlacce Angelo
30 Prezioso Saml
Cowper Carl
31 D'Antimo Dominic
Glasman Jacob
32 Stallone Jos ⓞ
Anderson Bessie Mrs
35 Donovan John F
Fudeman Abr
36 DeMarzio Clement
Gordon Saml
37 Miller Oscar
rear Ladd Martha A
Yost Henry C
38 Aschieri Amadeo ⓞ
Gena Carmine
40 Vecchio Pasquale
DeMarzio Panfilo
41 Baker Frank
Houser Wm
43 Conover Leland
Oldfield Glenn
44 Grasso Lawrence ⓞ
Saltarelli & Grasso concrete contrs
Cooperman Harry
47 Berrigan Virginia Mrs
Lamey John
48 Saviola Peter ⓞ
Wallen Karl
51 Becker Frank
Becker Anna M mus tchr
Goodrich Fannie Mrs
52 Grafman Calman ⓞ
Freedman John
53 Stockman Amby H
55 Walker Anna Mrs
Coppola Ralph
56 Cooper Reuben
Mastman Max
58 Waxman Otto ⓞ
Paltzik Morris
62 Saltarelli Danl ⓞ contr
Penner Harry
74 Idola Vincent ⓞ
75 Vacant
76 Dwyer John J
77 Schaeder Wm C
78 Sibillio Jos ⓞ
79 Engel Bertha Mrs ⓞ
Engel Curtiss
80 Kosich Steph
80-82 Neuper Mfg Co Inc auto accessories
81 Cramer Hubert C
DeLuca Jos
82 Rudisile Herman
83 Mitchell Geo
Gold Henry
84 Gorman Fredk J
Waterson Roy
85 Gudovitz Saml
Schiffman Benj
Northland av intersects

LARKIN—From 618 Scott, north to 645 Seneca
189 Misiak Magdalene Mrs ⓞ
Tajek Albert
197 Panek Mary Mrs ⓞ
207 Szczesek Cath Mrs ⓞ
rear Czechowski John
209 Koziol John
211 Pikul Jos ⓞ
215 Hankowski Frank ⓞ soft drinks
Roseville intersects
244 Vacant
Railroad intersects
290 Craver-Dickinson Seed Co Inc
293 Lucidol Corp mfrs bleaching powder
Exchange intersects
Carroll intersects
305 Schlitz Brewing Co
313 Office Toiler Supply Co
Seneca intersects

LA SALLE AV—From 3025 Main, east to Eggert
15 Browne John B
21 Yard of H S Metz Coal Co
23 Menz Jos F
29 Lexington Lumber Co Inc
33 Vacant
36 Curnow Wm T
37 Donovan Lee B ⓞ
38 Hite Alice F Mrs
40 Vanderbush Henry B ⓞ
Schaefer Jos
45 McMahon Margt F
Mulchay Thos H jr
48 Steinborn Jos A
Schaarb Louis J
78 Wenke Rudolph ⓞ
Cottrell Donald D
80 Schenk Carl G ⓞ
98 Crotty Frank G
Ryne Richd J
99 City Ice & Fuel Co Inc (br)
100 Blampied Harry E
Macauley Miles E
106 Gustafson Hjalmar ⓞ
110 Sackett Russell P
Warning Fred C ⓞ
Cordova av intersects
123 Faulkner Harry L
Shirley intersects
127 Strasser Edwin C ⓞ
131 Smith Robt W
McGarry Edmund D
135 Coon Walter C ⓞ
Brogan Betty nurse
140 Hagen John Rev
141 Sattler John ⓞ
142 Smith Wm J ⓞ
148 Kirkendall Harry G ⓞ
152 Woods Wm H ⓞ
153 Wendel Fred ⓞ
Boss Jos F
154 Schultz Elmer
Spindler Geo
155 Daniels Edw L ⓞ
Smyth Wm S ⓞ
158 Davis Jas A ⓞ
Davis Cameron C
162 Laux Chas ⓞ
Arras Carlton H
163 Heilbron Wallace W ⓞ
166 Goettelman Chas J ⓞ
167 Roth Harvey C ⓞ
Range av intersects
172 Regner Jos J ⓞ
176 Bolt Alf J
177 Stevenson Francis A
180 Brandt Fred H ⓞ
181 Miller Wilbur J ⓞ
185 Barry Jas W ⓞ
Salter Albert P
186 Shand Wm C ⓞ
188 Wenger Edw C ⓞ
189 Lumbard Arth W ⓞ
Ambirk Peter
192 Wenger Norman W ⓞ
193 Hauck Edmund C ⓞ
Beecher Jos W
196 Garrett Wm J
Halsey June
197 Schuster Jos H ⓞ
King Frank J
200 Beck Emil B ⓞ
Burger Eug E
201 Smith Mary M ⓞ
204 Cook Wm A
Hoelscher Mary E Mrs
205 Niebergall Mary A Mrs ⓞ
208 Meyer Harold G ⓞ plmbr
209 Krieger Minnie C
211 Weisenheimer Edw J ⓞ
212 Schenk Chas F ⓞ
Yax Chas W
216 Hemerlein Wm E ⓞ
Seeger Otto F
217 Brautigan Norman J
Lamb Geo A
220 Warning Barbara Mrs ⓞ
221 Arber Wm G ⓞ
224 Carland Geo M ⓞ
225 Dauterman Albert G ⓞ
229 Gibson Chas H ⓞ
Park Ridge av intersects
241 Hurley Thos J ⓞ
Hutchins Verner O
243 Popp Howard F ⓞ
246 Laesser John M ⓞ
Fischle Geo H
249 Miller Anabel S Mrs mus tchr
250 Witt Frank ⓞ
253 Ots Edw R ⓞ
Martinke Geo E plmbr
254 Schober Wm M ⓞ contr
Pfeiffer Edmund G
Johnson Lawrence L trucking
257 Gilmour Francis C ⓞ
Boerrer Eliz H Mrs
258 Flammer Christopher ⓞ
Bennett M Agatha
260 Kamprath Walter
263 Walton Wm C jr ⓞ
264 Menard Otto A ⓞ
265 Good Martin G ⓞ
266 Bauman John V ⓞ
Geckler Chas

SENECA ST 1930

"12 Years on the Same Corner"

SENECA—Contd
434 Perillo Giagio gro
DiRuzzo Jos
Lappo Jos
Godfrey Hattie Mrs
Perre Anthony
438 Mostrolacovo Michl
440 Roma Jos @ coal
446 Vacant store
448 Vacant store
450 Thabit Ahamed restr
Alexander Abdo
452 Campofelice Frank
Salinardo Dani
454 Vacant
462 Fino Rocco
464 DiFonzo Maria Mrs
Giovangarlo Giulio
466 Amabile Gaetano
Maniscalco Anna Mrs
Bombissuto Angelo
468 Vacant store
Noon Jos
470 Hex Carnival Catering Co whol novelties
474 Santoro Bros @ barbers
Pizzino John
Arcuri Vito
476 Petroni Michl
478 Bravos Aristides restr
480 Pepe Anthony @
484 Standard Oil Co fill sta
Alabama intersects
487-93 Internatl Harvester Co of America
Spring begins
495-97 Hubbs & Howe Co whol paper
499-505 Hecker-Jones-Jewell Milling Co
513 Marshlow Corp whol gros
514 Burt F N Co Ltd paper box mfrs
515-41 Buffalo Furnace Supply Co Inc
Devoe & Raynolds Co Inc (whse)
Gisel Bakers Supplies Co
Ideal Furnace Co
Keystone Warehouse Co storage
Southern Steamship Co
541 Vacant
Hamburgh intersects
NYCRR intersects
543 Ideal Heating Co
Jefferson intersects
Red Jacket ends
621 Larkin Co whse
Office Toilett Supply Co lndy
Larkin ends
680 Larkin Co Inc soap mfrs
Administration Bldg
Lake Shore Natural Gas Co Ltd
690 Larkin Co Inc Council House and Visitors entrance
694 Larkin & Co Inc Men's Employment Dept
698 Engine Co No 32
700 Hook and Ladder Co No 5
701 Jane Eliz Candies Inc
Larkin Co general factory office
Larkin Store dept store
Larkin Stores gros
Honey Candy Co of Am Inc
706 Overend Margt Mrs restr
708 Murray Margt Mrs confr
VanRensselaer ends
710 Bujnicki Florian soft drinks
712 Difiglia Jos @ shoe repr
714 Carrig Gertrude R beauty shop
Waskielewicz Kazmerz
716 Waskielewicz Kazmerz soft drinks
718 Blasing Wm J barber
725 Larkin Co fill sta
Swan ends
733 Telis Peter restr
735 Hoffman John L phys
Laubisch Arth M
Rosen Matthew S men's furngs
Telis Peter
737 Schumacher John soft drinks
738 Marine Trust Co Seneca br
Emslie begins
739 Keller's Pharmacy
740 Kress Louis C phys
Ryerse Oscar G dentist
741 Vacant
742 Gt A & P Tea Co
Anderson Kenneth
Bower Frank J
Emele Nicholas
McGloin Jas
744 Emele Nicholas confr
McGloin Jas
745 Wollschlager Minnie T Mrs @ dry gds
746 Lesniowski John meats
Albrecht Louise
rear Albrecht Louis @
748 Humig Louis L bakery
Reitz Cath C
White John
750 Perec Boleslaus soft drinks
751 Miller Carl Chevrolet Inc used cars
754 Vacant
755 Vacant store
Ingraham Victor
McMahon Michl J phys
756 Winkler Nicholas J O restr
757 Vacant store
Jordan Nellie Mrs
Werner Louis S
759 Becherer Ferdinand abattoir
Fohl Chas F meats
760 Winker's F X Sons @ gros
761 Hoffman Frank saw filing
Dempsey Raymond
763 Shaheen Adam barber
766 Hydraulic Mutual Savings & Loan Assn
Pike Rose Mrs
767 Melnyk Andrew shoe repr
768 Franks Ernest A & Son
Schultz Frank
770 Yurewicz Veronica Mrs soft drinks
771 Weber Geo W batteries
772 Seneca Theatre moving pictures
773 Falkner Jos J shoes
Parcheta Jos
775 Seneca Supply Co hdw
Buffalo Garment Shop clothing mfrs
776 Ziolkowski Stanley
777-79 Buffalo Garment Shop
Miller Bernard G confr
780 Kiedel Casimer soft drinks
Heinz Alf
Lynch Chas J
781 Buffalo Post Office station U
Hydraulic ends
se cor Opportunity School
782 Harbison Peter J @
784 Ragalski Stanley soft drinks
788 Alert Plumbing Supply Co Inc
792 Terry Thos L Inc jwlrs
794 Herold Frank @ meats
797-807 Dollar Dry Cleaning Co Inc
798 Cline Jerome W plmbr
800 Rice Ada Mrs
rear Brady Dora L Mrs
802 Noon Ann C Mrs @ gro
809 Downs Jos @ jwlr
811 Kraft, Arth F tailor
813-15 Dollar Dry Clnrs stge rms
817 Vacant
819 Pytlak Anna Mrs confr
823 Considine Lawrence @ gro
Galivan Jennie Mrs
Griffin ends
Lord begins
829 Belasik Adam soft drinks
Glowacka John
831 Paluch Andrew gro
Cwalinska John
833 Tomaka Bruno dry gds
839 Nykiel Anthony confr
840 Jeriska Jas
Przybylski Walter
837 Niesyty Peter shoe repr
837½ Vacant
843 Yallowich Isaac M elec contr
Lankow Clarence
rear Oshlick Jos
844 Ludera Casimer @ gro
Haladay Jacob
847 Jalowka Walter whol confr
848 Vacant
849 Battaglia Jos @ barber
851 Zink Jos @ confr
852 Smutek Frank @
Downey Martin J phys
Schaub Magdalene Mrs
853 Strzepa Peter @ barber
Adamuk John
rear Collins Frank
855 Currie Edw
857 Borodzik Julia Mrs @ tailor
Przypasniak Jos
860 Contractors Ornamental Steel Co
863 Borodzik Frank @ soft drinks
Borodzik Jos
864 DeVine John G
Fox Harry
865 Stachowski Frank B drugs
866 Kazmierczak Louis real est
Kozak Vincent
867 Sousa Jas @ barber
870 Krzyzanowski Andrew
871 Blocha Hariton soft drinks
872 Kennedy Mary Mrs
Lubsiewski Felix gro
rear Zintek Matthew
873-75 Dengos Walter mus dlr
Marczyk Jos
Dengos Andrew mus tchr
874 Gertz Frank @
876-78 Butcher Howard H auto repr
877-87 Liquid Carbonic Corp bottlers' supplies
886 Marlow Frank @ malt and hops
888 Chmurzynski John shoe repr
Kowalski Dominick
889 Zgoda Anthony gro
Adamzuk John
Lukowski Lawrence
Sucick Kajetan
rear Sliwa John @
891-91½ Kaska Louis @ soft drinks
892 Wrona Andrew church gds
892½ Guarino Anton barber
893 Lang Pearl Mrs restr
894 Babco John soft drinks
Hamanczuk Kuzma @
895 Binoj Manuel confr
Fillmore av begins
Smith intersects
903 Conrad Thos confr
Rasko Stanley
906 Rusen John @ soft drinks
Rasko Stanley
910 Olszowka Michl @
912 Clancy P J & Son real est
Burns Mary E
914 Felski Arth J
916 Sitarski John @
rear Paweszka Lawrence
918 Steinberg Andrew tailor
935 Melnick Saml
937 Cisinski John
939 Zalesny Vincent
940 Buffalo Hardwood Lumber Co
Buffalo Magnesia Co Inc
Capital City Products Co
Kirkman & Son soaps
Sabbin Robbins Paper Co
Natroy Steel Corp
Gulf Refining Co
Dunlap Sheldon D Inc shipping supplies
Hamilton Louis A mfrs agt
Larkin Terminal Whse (Fillmore br)
Selkirk intersects
959 Owczarzak Michl
Kolodziej Simon
961 Ziemba John
963 Smytka Antonio
967 Kania Andrew
Wioncek John
Parka Geo
Exchange intersects
994-98 Synthe-Copal Co Inc varnish mfrs
1035 Vacant
1043 Schurr David J
1055 Atlantic Lumber Co The
1073 Reidenburg John
1077 Quinn Patk J @
1079 Taublieb Isadore T @ shoes
Peabody intersects
1087 Harrison Harvey R
1089 Teague Curtiss B
Tober Rudolph W @
1095 Furnari Fred barber
National Tea Co gro
Intrabartola Frank @
1097 Fiore Fred shoe repr
1100 Baillie Jas A Lumber Co
Blakeslee Perrin & Darling hardwood lumber
Perrin-Curtin Lumber Corp
1101 Steiner Evelyn
Gallagher Wm S
rear Kinsella Patk J
Kelly John J @
1107 Vacant
1109 Hanley John T
Walter intersects
1111 Steiner Jos auto repr
1115 Fialkowski Steph @ soft drinks
1116 Bock M & Son junk
1117 Hanley Jas K @ soft drinks
1119 Cogan Jas M confr
Jacobs Morris
Gagnon Ellen Mrs
1121 Urbanowski Aug J gro
Malke Frank
Bakston Pelagia Mrs
1123 Herold Geo F meats
Skea Peter
Smith Fred
1131 Favata Pasquale shoe repr
Joynt Julia Mrs
Maurice intersects
1133 Lock Frank E drugs
Chadwick Leon
1139 Klopfer Fredk jr
Keenen Nelson K
Schmeid Geo
1141 Whittom Wm D dry gds
1142 Vacant
1145 Smallenburg Mason C hdw
Smallenburg Wm @ barber
1146 Robinson Clay Products Co
1149 Knott Thos J
1151 Kudlets Edw V meats
Harrington Arth J
Tobin Jos W
1154 Elk Filling Stations Inc
1155 Burke Martin M @ confr
1157 Bihr Gottlieb @ gro
Orlando intersects
1164 Vacant store
1166 Vacant
1167 Shirley John P confr
O'Donnell John E
1168 Vacant store
1169 Bugin Saml tailor
1170 Elk Realty Co
Fisher Robt
Potter Harry R
Potter Chas R
Wasson begins
1173 Garvey Irene nurse
Garvey John H @
1175 Arndt Albert L @
1177 Stewart T Selden @ phys
1181 **Vacant store**
Prockton Jos
1182 StMatthews Protestant Episcopal Church
1183 Great A & P Tea Co gros
Moore Wm
1186 Austin Otto F @
rear Austin Albert H
1190 Oakdale Theatre moving pictures
1191 Police Sta No 9
1192 Thompson Orin O @ restr
Babcock intersects

GUSTINA
Gustina Fredk J student r231 Hampshire
" Nicholas C inspr h231 Hampshire
" Saml acct h186 W Chippewa
Gustis Geo hlpr r307 Pratt
Gustowski Theresa (wid John) midwife h67 Hirschbeck
Gustra Paul lab h66 Joslyn pl
Gusy Eug sheet metal wks 102 Johnson h250 Brunswick blvd
" Wm driver h591 Adams
Guszek John mach opr h118 Spann
Guszkowski Lawrence blksmith h128 Detroit
" Steph mach h1330 Sycamore
" Valentine mldr h60 Joslyn pl
Guszynski John pipeftr h115 Roberts av
Guta John bill poster r257 S Division
Gutai Julius lab h105 Clay
Gutay Anthony lab r175 Austin
Gutbrodt Ida M (wid Glenn) h28 Elsie pl
" Ida M bkpr Buff Chamber of Commerce r454 Normal av
" John F h454 Normal av
" Mabel L r454 Normal av
" Marian phone opr r28 Elsie pl
Gutek Frank lab h788 Carroll
" Frank lab h rear 39 Roseville
" Mary fcty wkr r rear 39 Roseville
Gutekunst Alice H r2 Freeman
" Chas W eng h125 Greene
" Clarence A detective h19 Stewart av
" Gurney O chemist h506 Woodlawn av
" Harry O meats 694 Genesee r295 Grey
" Jacob P h2 Freeman
" Laura E r2 Freeman
" Norman C rubber wkr r2 Freeman
" Wm E h59 Altruria
Gutgunst Anthony weighmn h97 Hazelwood av
" Frank J weighmn h102 Johnson
Guth Albert clk h78 Freund
" Alex cond I Ry Co h408 Hertel av
" Celia clk r77 Shumway
" Cyril h79 Hamburgh
" Frank eng h77 Shumway
" Jos h189 Burgard
" Jos lab h103 Clay
" Jos pkr h190 James
" Julius slsmn h533 Winslow av
" Wm hlpr r522 Williams
Gutheinz Meral L (wid Edw) bkpr h1986 Hertel av
Guthman LeRoy K mfrs agt 324 Brisbane bldg res Buffalo Hotel
Guthrie Carl formn r327 W Ferry
" Chas H acct h64 Putnam
" Donald clk r61 Royal av
" Donald L formn r239 Crowley av
" E MrsB bkpr Henrietta O'Brien res Kenmore N Y
" Edythe tailoress r244 Normal av
" Edw B eng Grade Crossing & Terminal Sta Com h562 W Ferry
" Edw C plmbr 503 N Division h do
" Francis B civ eng h252 Herkimer
" Helen Mrs maid r12 Halbert
" Henry S grain broker 729 C of C bldg h22, 572 Elmwood av
" Horace B chemisgt r64 Putnam
" Jas J sta eng h86 Urban
" John B adj h240 Taunton
" Lawrence R clk h17 Paul pl
" Margt Mrs sten h2405 Delaware av
Gutieres Fernando lab r75 Lloyd
Gutierrez Martin G autowkr r311 Auburn av
Gutman Chas chef h156 S Division
" Ida clk r374 Potomac av
" Israel h374 Potomac av
" Libbie (wid Leo) h178 Anderson pl
" Nathan h165 Oxford av
Gutowski Adam watchmn h957 Walden av
" Anastasius lab h69 Hilton
" Boleslaus student r957 Walden av
" Celia drsmkr r19 Moselle
" Frank hlpr h14 Warren av
" Helen mach opr r110 Lathrop
" Herman tailor 316 Amherst h do
" Jacob mach h19 Moselle
" John driver r110 Lathrop

GUTOWSKI
" John lab h60 Burrell
" Jos bodymkr h243 Sobieski
" Matthew tailor h110 Lathrop
" Stanley tire bldr r19 Moselle
" Victoria hlpr r69 Hilton
Gutridge Peyton tmstr r140 Walter
Gutrzynski Bronislaus clk r208 Barnard
" Jeanne clk r208 Barnard
" John gro 208 Barnard h do
" Stella hlpr r208 Barnard
Gutsche Albert buffer res Forks N Y
Gutschow Herman meat ctr h220 Plymouth av
Gutt Christ bkbndr r228 Gray
" Christian porter h228 Gray
" Frances (wid Jos) h68 Sunset
" Helen clk r68 Sunset
" Jos lab r68 Sunset
Gutta Percha & Rubber Mfg Co 310 Crosby bldg
Guttas Deeb pleating and hemstitching 30 Root bldg h525 N Division
Guttridge Ella Mrs hkpr r416 Baynes
" Florence E clk r126 Herkimer
Guttman Hyman (Guttman & Schwartz) r168 Adams
" & Schwartz (Hyman Guttman, Paul Schwartz) 2d hd furn 236 Seneca
Gutz Andrew inspr h29 Benzinger
Guva Sebastian mldr h95 Roseville
Guwalski Constantine lab r120 Kail
Guy Amos S h150 Congress
" Anthony W brkmn h688 Northumberland av
" Benj mtrmn h21 Tremont
" Clarendon W h287 Jewett av
" Geo W janitor h545 N Oak
" Garner M S acct h271 Rodney av
" Geo W clk r287 Jewett av
" Grace r589 Breckenridge
" John eng h396 Eagle
" Jos lab r814 S Division
" Kenneth H carp r287 Jewett av
" Margt J sten G T Ry System r100 Plymouth av
" Margt S (wid Geo) h100 Plymouth av
" Marion (wid Jas) h140 Chester
" Majorie F sten Hydro Construction Co r140 Chester
" Nellie clk County Clk r545 N Oak
" Sophia (wid Theo) r287 Jewett av
Guyas Ethel M typist Employers Liability Assurance Corp r1885 Hertel av
Guye Ira lab r21 Howard
Guyer Albert waiter r241 West av
" Oscar (Dwyer & Guyer) r414 Prospect av

GUYETT CHARLES C, Real Estate and Insurance 2094 Seneca, Phone Abbott 0099, h93 Edgewood av

" Harvard L lather h460 Vermont
" Howard F carp h63 Lockwood av
" Howard P confr 687 Best h do
" Walter J electn J N Adam & Co r460 Vermont
Guyette Albert janitor h150 Mariner
" Allan J photog r285 North Park av
" Clarence carp r370 Woodside av
" Felix photog h285 North Park av
" Fredk chauf h372 Spring
" Harold S eng h224 Allen
" Louis ship clk r42 Demond pl
" Louise designer Barmon Bros r2206 Seneca
" Norman police r311 West av
" Willard T clk r83 Landon
" Wm O chauf h83 Landon
Guynn Allan J pntr r529 West av
" Jeanette r529 West av
" Retta E (wid Jas) h529 West av
" Wilson auto mech r529 West av
Guyton Frank meat ctr h52 Lemon
" Lela maid r647 Broadway
" Robt lab r487 Michigan av
Guzauskas Chas h58 Beatrice av
Guzdek Geo wheelsmn h568 Exchange
" Julia waitress r568 Exchange
" Mary hlpr r568 Exchange
" Susan fcy wkr r568 Exchange
Guzek Agnes r712 Smith
" Francis student r712 Smith
" Frank lab h712 Smith
" Jane clk r712 Smith
" Walter smoother r712 Smith

R. L. POLK & CO. || We furnish accurate

POTTLE
Pottle Gertrude student r75 Windsor av
" Henry W (Gibbons & Pottle) h75 Windsor av
" Willard student r75 Windsor av
Potts Ada M pres The Nardin Academy h135 Cleveland av
" Andrew chemist r206 Georgia
" Arth electn 327 Rhode Island
" Chas O contr 308 Parkdale av h do
" Edna A Mrs sten N Y Tel Co res Tonawanda N Y
" Edwin B slsmgr Wilson & Craig h78 Poultney
" Frances M (wid Fred) r234 Northampton
" Frank N phys 523 Franklin h271 Hoyt
" Harold formn Arner Co r254 Fulton
" Henry R electn h181 W Tupper
" H Raymond undtkr 1361 Hertel av h do
" Jas lab h187 Kentucky
" John J police h83 Harvard pl
" John W formn h204 Sherman
" Lulu M (wid John) h569 Masten av
" Lulu M h190 Oxford av
" Thos ironwkr r28 Gorham
" Violet slsldy J N Adam & Co r144 Ludington av
" Walter supt h205 Whitfield av
" Wm lab h63 Gorham
" Wm H formn Am Radiator Co r342 Dearborn
" Wm R electn Whitmier & Ferris Co h47 Ericson
Poturalski Jos slsmn Regina Corp h2028 Clinton
" Mary clk r2028 Clinton
" Mary (wid Wm J) h2028 Clinton
" Rosalia (wid Anthony) r81 Weimar
" Sophie r2028 Clinton
" Steph r2028 Clinton
Potwora Andrew lab r568 Exchange
" John r568 Exchange
" Jos lab r568 Exchange
" Mark lab h568 Exchange
Potwova Fred millhd r295 Katharine
" Gregory lab h295 Katharine
Poulin Theophilus drftsmn h18 Homer av
Poulock Matt lab h29 Sunset av
Poulos John cook r681 Michigan av
" Steph J tailor 79 Clinton h675 Ellicott
Poulsen Alex carp h1, 161 Edson
" Alf lab r1, 161 Edson
" Peter (St Paul Auto Repair Shop) r229 Keystone
Poulton Walter cable splicer h31 Durham av
Poultridge Nellie supvr Protestant Home for Unprotected Children Inc r591 Niagara
Poummit Harry M 2d hd gds 53 Broadway h39 Hager
Pound Geo W lawyer h159 Beard av
" Gertrude clk World's Disp Med Assn r9 Woodlawn av
" Robt W contr 197 Saramac av h do
" Vivian E instr U of B h122 Berkshire av
Pouse Chas mach r255 Dewey av
Pouthier Anna r760 Glenwood av
" Celia drsmkr r760 Glenwood av
" Geo mach h37 Krettner
" Grace hairdrsr r37 Krettner
" Louis S mach h760 Glenwood av
Poutie Beryl I r2089 Main
" Edith J produce 257 Washington Mkt h2089 Main
" Frank plmbr h452 E Ferry
" Howard F artist r452 E Ferry
" Jos gro 297 Parkside av h2089 Main
" Jos W r2089 Main
" Ralph M student r2089 Main
" Wm diemkr h76 Nevada av
Pouty Anna grad nurse r571 Elmwood av
Poverello Dante waiter r8, 62 S Elmwood av
Povinelli Angelo hlpr r119 Spruce
" Attilio r119 Spruce
" John grinder h119 Spruce
" John jr r119 Spruce
" Louis r119 Spruce
Pow Laura housekpr 32 Linwood av
Powalist Alex F inspr h97 Chenango
Powalowski Steph barber 1261 Sycamore h do
" Walter barber r1261 Sycamore
Powalski Anna (wid Benj) h111 Sunset av
" Anna r111 Sunset av

POWALSKI
" Edw coremkr r16 Tuxedo pl
" Edw student r356 Amherst
" Henry lab r356 Amherst
" Martha charwmn r602 Howard
" Stanley lab r111 Sunset av
" Steph lab r111 Sunset av
" Thaddeus clk h356 Amherst
" Walter clk r356 Amherst
Powaniec Thos lab r199 Orlando
Powe John confr 1176 West h do
POWEL CHARLES P, Mgr Equipment Plant American Radiator Co, h469 Breckenridge, Phone Bidwell 6334-W
" Harvey D slsmn r679 Auburn av
" Margt r1107 Main
" Saml W eng h679 Auburn av
" Walter elev-opr h221 Townsend
Powell Alice (wid Jas) r18 Troupe
" Anna cashr Webster Citizens Co r45 Juniata
" Anna M nurse Dept of Health r10 Norwalk av
" Arth L formn Derdenger Const Corp h26 Dakota
" Bernard notions 189 Allen h do
" Boston lab r41 William
" Callie lndrs r367 Clinton
" Chas H carp r90 Wellington rd
" Clemens emp Jewett Co h212 Wilson
" Cornelius lab h68 Peckham
" Cornelius scooper h132 Jefferson av
" Cornelius J ship clk Strong Steel Fndry Co r15 Geary
" Danl Rev asst rector St Vincent DePaul R C Ch r15 Eastwood pl
" David H printer h45 Juniata pl
" Edgar D mgr Cold Spring Storage Co h231 Doat
" Edw carpet weaver r47 Lewis
" Edw slsmn h51 Rickert
" Eug P elev opr r46 Houghton
" Florence slsldy Flint & Kent r1171 E Ferry
" Florence M r326 Hoyt
" Frank mgr Father & Son Shoe Stores Inc h12 N Pearl
" Geo slsmn White Sewing Mach Co r320 Pearl
" Geo T adv mgr California Fruit Growers Exch r1 LeBrun rd
" Glenn B drill hd h192 15th
" Grace B treas Cold Spring Storage Co r57 Tudor pl
" Gustave cook r138 E Eagle
POWELL G B, Sec and Treas Cold Spring Storage Co Inc, r57 Tudor pl, Phone Bidwell 5204
" Harold G uphol r10 Norwalk av
" Harry B h294 Riverside av
" Henry L r10 Norwalk av
" Jesse R meter tester h11 Dunston
" John chef h375 Jefferson av
" John musician h374 Woodward av
" John W electn Bureau of Bldgs r10 Norwalk av
POWELL JOSEPH W JR, Pres and Genl Mgr Cold Spring Storage Co Inc, h57 Tudor pl, Phone Bidwell 5204
" Kathryn G clk r45 Juniata pl
" Kydson waiter h111 Welker
" Leland D tchr r231 Doat
" Leslie B r1171 E Ferry
" Luther waiter r723 Delaware av
" Marion J P (wid Edgar E) r436 Bird av
" Mary A nurse Buff State Hosp
" Mary H sten r45 Juniata pl
" May E r374 Woodward av
" Noland lab h455 Jefferson av
" Onnie lndrywkr r15 Superior
" Orrah sten Buff Gasolene Motor Co r11 Dunston
" Robt R mech h596 Masten
" Saml J formn M Wile & Co Inc h27 Copsewood av
" Sarah A (wid John W) h57 Tudor pl
" Stanley H elev opr r46 Houghton
" Steph J installer C Kurtzmann & Co r38 Gittere
" Theo mach r1469 Niagara
" Thos chauf r481 W Utica
POWELL THOMAS D, Attorney 401 Crosby Bldg, Phone Seneca 0715, h55 Berkley pl, Phone Bidwell 6168-W

1001-03 JEFFERSON AVE.

BERNSTEIN
" Thos tailor h306 Mortimer
" Wm slsmn Niagara Overall & Pants Co Inc h28 Butler av
Bernstone Abr B h156 Walnut
" Leo gro 228 William h do
BERNSTONE MORRIS, Real Estate 430 Bramson Bldg, Phone Seneca 5145, h78 Johnson Park, Phone Tupper 6257-M
Bernt Frank brklyr r21 Johnson pk
Berny Thos ironwkr Fillmore Av Fndry & Iron Wks r587 Exchange
" Walter student r150 James
Bernys John lab h94 Lombard
Bero Frank lab r122 Military rd
" Louis mldr h25 Ritt av
" Rose tailoress r25 Ritt av
" Saml wirewkr h122 Military rd
Beronowski Alex lab h43 Mackinaw
Berotas Thos cook h223 Cedar
Berrer Carl slsmn h244 Brinkman av
Berres John baker Geo H Hitchner h61 Fisher
BERRICK ALFRED A, Pres Acme Shale Brick Co Inc, h147 Linwood
" Building 86 Ellicott
" Chas J jr dentist 722 Main h1312 do
" Lucille G tchr h20 Eley pl
BERRICK'S CHAS SONS COMPANY, Gustavus C Schierer Pres, Edwin H Wright V-Pres and Treas, Frederick D Folsom Sec, Builders and Contractors, All Kinds of Mason Work and Repairs Promptly Attended To 1151 Main, Phone Tupper 3252 (See page 118)
Berridge Hugh M dept mgr DuPont Rayon Co h 1468 Hertel av
Berrigan Jennie smstrs r47 Lark
" Jos W slsmn Pinkerton Tobacco Co r47 Lark
" Margt r47 Lark
" Virginia (wid John) h47 Lark
Berrila Stanley lab h124 Van Rensselaer
Berrill G Stuart dep Commr of Jurors h165 N Lincoln blvd
Berriman see also Berryman
" Chas W pntr White & Pinck h210 Northland av
pkwy
" Charlotte (wid Saml J) h1773 McKinley pkwy
" Fredk S stock kpr H S Nielson h268 E Delavan
" Marjorie clk r1, 773 McKinley pkwy
Berringer Chas lino opr h19 Victoria av
" Leo formn r847 Jefferson av
Berrisfoot Jack pntr h347 14th
Berrs Ario P mfr h383 Massachusetts av
Berrsonett Lafayette artist J Jay Fuller res Lancaster N Y
Berry see also Barie, Barrie, Barry and Bury
" Alf cigarwkr Morris & Rau r15 Boehn
" Alice h864 Eagle
" Alvin H asmblr Ford Motor Co res Clarence N Y
" Anna nurse 25 Choate av
" Anthony h85 N Ogden
" Arth clk h1, 25 Kamper
" Arth H clk r15 Hoyt
" Betty A sten Town Paint Co res Tonawanda N Y
" Blanche grad nurse r146 Deerfield av
" Cath M bkpr r229 Hampshire
" Cornelia (wid Adelbert E) furn rms 312 Franklin h do
" Danl E eng r141 Royal av
" Delbert flagmn h131 Central av
" Earl G slsmn C H Barton r298 Hazelton
" Edw T office 432 Prudential bldg h320 West
" Eileen pupil nurse Millard Fillmore Hosp
" Eliz E (wid David) h229 Hampshire
" Eliz tchr h39 Normal av
" Esther Mrs r2277 N Fillmore av
" Florence bkbndr r140 Reimann
" Florence A (wid Edw) r320 West av
" Florence E dom r15 Hoyt
" Frances confr 262 Emslie h do
" Francis J sten h713 Northampton
" Frank slsmn r6, 86 Mariner

BERRY
" Frank J bench hd r517 S Division
" Frank J driver h297 Oak
" Fred h34 Whitney pl
" Geo R clk Peoples Bank r202 Northland av
" Geo W cigarmkr Morris & Rau h15 Boehm pl
" Geo W slsmn r131 Central av
" Gladys E nurse Buffalo City Hospital
" Harold T clk Peoples Bank res Clarence N Y
" Harriet A (wid Silas) h rear 249 Grape
" Harry C h169 E Parade
" Herbert W clk Mohican Market h15 Hoyt
" Hugh E confr 60 Farmer res Kenmore N Y
" Jas D storekpr h140 Reimann
" Jas H factory mgr Towns Paint Co res Tonawanda N Y
" Jas H jr asst supt Towns Paint Co res Tonawanda N Y
" Jane E forwmn r2, 25 Kamper
" John drftsmn E & B Holmes Machinery Co r 72 Lombard
" John eng Peoples Bank h202 Northland av
" John filler h21 Lockwood av
" John hlpr h190 Babcock
" John swtchmn h693 S Division
" John T chauf P O r11 Chenango
" Jos A carting 521 S Division h517 do
" Jos A police N Y C R R h1, 25 Kamper
" Jos L emp Trico Products Corp r140 Reiman
" Lena hlpr r15 Boehm pl
" Leo student r695 S Division
" Lillian slswmn r6, 86 Mariner
" Margt T maid r600 Lafayette av
" Marino lab h284 Ellicott
" Mary L r510 Lafayette av
" Mary R h1, 238 Elmwood av
" Mary Richards sec G M Easterly & Co Inc r 253 Bryant
" May bkpr r162 Auburn av
" May E waitress r40 Saratoga
" Melvin decorator Hale Decorators Inc r191 Royal av
" Mildred A sten Jackson & Tindle Inc r15 Hoyt
" Nellie E Mrs (Nebline School of Beauty Culture) res Kenmore N Y
" Products Corp G W Wattles genl mgr medicine mfrs 182 Perry
" Raymond C slsmn r129 Hampshire
" Roy D contr h111 19th
" Royal B lab r rear 249 Grape
" Steph R arch 445 Breckenridge h do
" Thos lab h7 Andrew al
" Thos W eng Buff Forge Co r Central Y M C A
" Winifred tailoress r15 Boehm pl
" Wm J clk r177 Kensington av
" Wm J mgr h198 W Utica
Berryhill Walter mach r286 Pennsylvania
Berryman see also Berriman
" Albert br mgr S M Flickinger Co h287 E Utica
" Daisy real est r300 Masten av
" Dorothy h300 Masten av
" Edw A guard h192 15th
" Edw H waiter h501 Adams
" Ella M r132 Hodge av
" Herbert police h150 Heath
" Herbert C prsfdr Niagara Litho Co h244 Masten av
" Isabelle M dept mgr Neal-Clarke-Neal Co res Snyder N Y
" Jean (wid Chas) h294 Crestwood av
" John W h427 Olympic av
" Wm A pntr 1599 Jefferson av h do
" Wm J pntr r19 Morley pl
Bersch Henry J mach r2566 Main
Berschek Aug J meatctr h10 Galveston pl
Berski Simon tailor 147 Townsend h do
Berst Albert J (Peter M Berst & Sons) h141 Abbott rd
" Edw A (Peter M Berst & Sons) h211 Florida
" Edwin F clk Federal Reserve Bank r413 Pratt
" Frank J inspr h413 Pratt

EXCHANGE ST 1925

DRZEWIECKI
" Frank formn h183 Rother av
" Frank tailor h30 East End av
" Frank X contr 146 Theodore h do
" Hattie drsmkr r146 Theodore
" Henry gro 221 Titus av h do
" Henry slsmn Service Milk Co Inc hl. 46 Block
" John mach hd r221 Titus av
" Leon K clk Coatsworth & Diebold r1000 Fillmore av
" Max lab r49 Howlett
" Michl confr 387 Walden av h do
" Peter W flaskmkr h49 Howlett
" Sarah clk r387 Walden av
" Steph carp r146 Theodore
" Steph mach hd r221 Titus av
" Walter ins 98 St Louis av h do
Drzewojski Lottie mach opr r638 Amherst
" Martin lab h638 Amherst
" Matilda mach opr r638 Amherst
" Sophie mach opr r638 Amherst
Drzewucki Anna housekpr r246 Wilson
" Charlotte B sten r291 Weimar
" Frank mldr h143 Kosciuszko
" Geo lab r143 Kosciuszko
" Helen mach opr r210 Clarke
" Helen E sten r291 Weimar
" John h291 Weimar
" John auto repr r246 Wilson
" John J switchmn h52 Weiss
" Matthew lab h210 Clarke
" Max M agt Metropolitan Life Ins Co h34 Curtiss
" Stanislaus lab r246 Wilson
" Stanley mach r210 Clarke
" Theresa mach opr r246 Wilson
" Wladyslaw formn h32 Houghton
Drzezewski Michalena (wid Frank) h118 Fredro
" Peter lab r118 Fredro
Drzierzanowski Edw baker r1302 Broadway
" Frank baker r1302 Broadway
" Stanley baker 1302 Broadway h do
" Walter printer h253 Rother av
Drziezgowski Anthony baker h41 Harmonia
Drzyzga John pkr h43 Lombard
" Magdalene (wid Jos) r65 Lewis
" Martin mldr h136 Sears
" Stanislaus punch opr American Car & Fndry Co h89 Warren
Duane Construction Co Harvey P Kehr pres-treas contrs 23 Parker av
" Evelyn E sten Marine Trust Co r421 Vermont
" Jos P clk Erie R R h94 Good
" Michl pntr h190 E Utica
" Wm J (Harrington & Duane) r170 E Utica
Duat Rudolph C acct r100 West av
Duba Genevieve F clk r78 Sidway
" Modenia W (wid Wm) h78 Sidway
Dubal Wm A mtrmn h367 Military rd
Dubala J lab r151 Clarke
DuBarre Maria nurse r1280 West av
Dubawsky Esther slsldy S S Kresge Co r52 Eureka pl
" Harry real est 327 Adams h do
" Philip pdlr h52 Eureka pl
Dubay Columbus eng h672 Jefferson av
" Michl r292 Virginia
" Oliver lab h292 Virginia
Dube Agnes phone opr r rear 355 Grant
" Albert mtrmn h rear 331 Forest av
" Andrew slsmn Regina Corp h443 Forest av
" Wilfred E auto mech h355 Grant
Dubeck Max soft drinks 101 Porter av h Carroll
" Victor lab h56 Seymour
Dubel Andrew soft drinks 604 Exchange h do
" Andrew jr lab h604 Exchange
" Anna mach opr r1649 Clinton
" Aug potter h68 Keating
" Bernard hlpr r563 Smith
" Geo lab h928 Clinton
" Ignatius mach r54 Cornelia
" Jacob lab h54 Cornelia
" John lab h1649 Clinton
" Jos formn h563 Smith
" Jos mach h54 Cornelia

DUBEL
" Josephine mach opr r54 Cornelia
" Josephine waitress Buffalo City Hosp
" Leroy S formn Buffalo Pottery h273 Stanton
" Mary clk r1649 Clinton
" Rose slsldy r1649 Clinton
" Stanley hlpr r604 Exchange
Dubele Jos firemn r421 Northumberland av
Dubes Albert mech h715 Kensington av
Dubey see also Duby
" Alex P clk Wood Products Co h127 Buffam
" Anastasia forldy Natl Candy Co Inc h166 Alabama
" Arietta sten r127 Buffam
" Chas I lab r127 Buffam
" Gertrude sten r91 O'Connell av
" Mary L (wid Walter) confr 201 Mackinaw h91 O'Connell av
" May slsldy r127 Buffam
" Raymond E stmftr r91 O'Connell av
" Wm A switchmn h89 Vandalia
" Wm E spec officer h112 Alabama
Dubi Alf weaver h253 Grote
" John h474 N Ogden
Dubick Frank restr 1217 Main h234 Carl
" Max J plmbr h209 Carl
Dubiel Anthony lab h53 Warren av
" Bronislawa r366 Curtiss
" Frank chipper h709 Scott
" John lab h366 Curtiss
" John mldr h26 Wilson
" Leonard soft drinks 776 Sycamore h do
" Mary (wid Walter) h70 Brownell
" Peter hlpr r53 Warren av
Dubielewicz Vincent lab h88 Reed
Dubien Cath (wid Jos) r77 Sears
" Leon lab r77 Sears
" Peter meat ctr r77 Sears
Dubil Martin student Corpus Christi R C Ch r se cor Clarke and Kent
" Mary (wid Geo) h255 Sobieski
" Matilda clk r255 Sobieski
" Stephania mach opr r255 Sobieski
Dubin Chas pres-sec Morgan Heights Development Corp h956 Humboldt pkwy
" Jay junk h24 Kane
" Leah slsldy r240 William
Dubinitz Gregory hlpr h rear 144 Watson
Dubke Bertha r19 Jones
" Carl mach r552 Ontario
" Chas h552 Ontario
" Frank hlpr h122 Fox
" Gustave formn h43 Faxon
" Helen clk Hygeia Nursing Bottle Co r43 Faxon
" Herman h19 Jones
" Marion clk r43 Faxon
" Mary H sten Buff Photo Material Co r552 Ontario
" Matilda glovemkr r19 Jones
" Mildred clk r43 Faxon
Dublin Restaurant (Sepros Morates, Peter Spearatos) 311 Elk
Dublino Anthony lab r35 Lawrence pl
" Chas porter r35 Lawrence pl
" Jos lab r35 Lawrence pl
" Philip porter h35 Lawrence pl
" Saml hlpr r423 Fargo av
Dubner Azhar auto mech h43 Spruce
" Fannie clk Buff Lounge Co r43 Spruce
Dubock Robt W gard h197 Glenwood av
DuBois A J lab h266 Glenwood av
" Benj clk h198 Monroe
" Cath r58 Rugby rd
" Cleaning & Dyeing Corp John T Murray mgr 229 Allen
" Edw housemn h1224 Niagara
" Edw W chauf r250 W Ferry
" Franklin C msngr r236 Abbott rd
" Hazel L clk r251 Crescent av
DU BOIS HERBERT L, City Ticket Agt Detroit & Cleveland Navigation Co, res Lancaster, N Y
" Irving asmblr h84 Grape
" John W chauf h250 W Ferry
" Leo lab h2 Mason

HAMBURG ST 1925

BORK
" Geo clk r358 Box av
" Geo F mldr h53 Langmeyer av
" Geo L inspr Am Radiator Co h2, 214 Maryland
" Geo W sec-treas Labor Temple Corp h17 Cypress
" Harold H aud Ward & Ward Inc h838 Glenwood av
" Helen M slsldy r69 Peach
" Henry lbr hndlr h2327 Genesee
" Henry plstr r91 Spruce
" Henry stone mason h433 Forest av
" Howard J formn h486 Hewitt
" John bench hd Henry E Mallue & Bro r3025 E Ferry
" John reprmn A Victor & Co 31 Stanislaus
" John r694 E Delavan av
" John E firemn h188 Locust
" John E jr slsmn Ken Billiard Co Inc r188 Locust
" Jos r66 Berkley pl
" Jos chauf r118 Hertel av
" Jos prsmn h312 Ontario
" Jos F pntr h18 Chenango
" Jos W atty h25 Vernon pl
" Josephine hairdrsr Ellen Miller r53 Langmeyer av
" Julia waitress Anthony Kieffer r444 Hamburg
" Julia M sten r608 N Oak
" Lena (wid John) r18 Chenango
" Lillian E hairdrsr r53 Langmeyer av
" Louis porter Ellicott Sq Co h39 Woodell av
" Louis J traffic mgr h25 Wingate av
" Louise (wid Jacob F) h135 16th
" Louise J slswmn Hens & Kelly Co r358 Box av
" Margt clnr Erie Co Home and Hosp r82 Schutrum
" Mary A mlnr r608 N Oak
" Matthew M pntr h62 Newburgh av
" Milton searcher Frontier Abstract Co Inc r32 Newburgh av
" Milton E phys 401 Elmwood av r do
" M M & Sons (Chas J and Wm J Bork) bkbndrs 86 Ellicott
" Nancy h1285 Niagara
" Norman A bkpr Intl Ry Co h122 Loring av
" Peter mech R Humphrey & Son h1806 Niagara
" Raymond J slsmn Queen City Wall Paper Co Inc r465 Monroe
" Richd drftsmn Niagara Mach & Tool Wks r160 Loepere
" Robt A trainmstr h189 Dearborn
" Robt E bottler Iroquois Beverage Corp h875 Northland av
" Rose A clk Chas D Zacher & Sons r128 Maple
" Roy H h118 Hertel av
" Sophie waitress Anthony Kieffer r444 Hamburg
" Stanley glazier Dwelle-Kaiser Co h1126 Walden av
" Walter filer h28 Lombard
" Walter lab r351 Seneca
" Walter G mldr h98 Montclair av
" Wm Mrs cook Hens & Kelly Co r128 Maple
" Wm r81 E Tupper
" Wm A window dresser h552 Riley
" Wm F booker Famous Players-Lasky Corp r 135 16th
" Wm J (M M Bork & Sons) h East Aurora N Y
" Wm M pressmn Review Printing Co h128 Maple
Borkan Saml tailor 378 Jefferson av h342 Pratt
Borke Dorothy (wid Frank) h116 Riley
" John J plmbr h4, 646 Virginia
Borkenhagen Albert bldr h15 Midvale av
" Alf C drftsmn h75 Freeman
Borket Anna r593 N Division
Borkhardt Carl W carp r144 Orlando
" Paul carp h144 Orlando
" Wm millwright r144 Orlando
Borkiewicz Stanislaus inspr h149 Stanislaus
Borkowicz Ignatius clothes clnr 726 Sherman h82 Kiefer

BORKOWICZ
" John F tailor r149 Clarke
" Peter P student r149 Clarke
" Valentine W gdnr h149 Clarke
Borkowska Mary lndrs Buffalo City Hosp
Borkowski Ansley lawyer 753 Fillmore h76 Fisher
" Anthony crane opr h420 Curtiss
" Anthony mldr h221 Woltz av
" Anthony plstr h88 Warren av
" Boniface lab h45 Guilford
" Bronislaus drftsmn r160 Loepere
" Frank carp r135 Schutrum
" Frank lab h143 Colt
" Geo mldr h68 Sobieski
" Jas brkmn h171 Rother av
" John r43 VanRensselaer
" John lab h1356 Sycamore
" John jr grinder r1356 Sycamore
" Jos firemn h13 Dover
" Jos lab h420 Curtiss
" Jos lab r56 Grimes
" Jos mach hd r1356 Sycamore
" Jozeph mldr r223 Sweet av
" Julia waitress r444 Hamburgh
" Lottie slswmn Jahraus-Braun Co r143 Coit
" Louise (wid Anthony) h160 Loepere
" Mary (wid Anthony) clnr h444 Hamburgh
" Michl carp r135 Schutrum
" Stanislaus lab h145 Loepere
" Stanley lab h125 Roseville
" Steph crane opr h1503 Broadway
" Steph meat ctr r63 W Delavan av
" Thos eng h472 Fillmore av
" Vincent lab r420 Curtiss
" Walter gro 221 Stanislaus h do
" Walter mach h154 Loepere
Borley John F fnshr r1069 Tonawanda
Borman Alf R pass agt Lehigh Valley R R h 1267 Jefferson av
" Benj B slsmn h461 E Utica
" Christina (wid Wm H) h75 DeWitt
" E M slsmn h36, 44 N Pearl
" Geo S driver Famous Linen Supply Co r14 Waverly
" Grace M auto opr W U Tel Co r14 Hawley
" Harry A mach h454 Koons av
" Jas R mach h286 Hampshire
" Jos R formn h197 Chester
" Saml H lieut Fire Dept h14 Waverly
" Wm H slsmn h295 E Utica
" Wm H genl formn Bureau of Water 206 Taunton pl
Born Adam mech r54 Bennett
" Mary A Mrs h1004 Main
" Wm hlpr Barber Asphalt Co h1258 Fillmore av
Bornasso Sara hlpr r131 Trenton av
Borne A F r241 West av
" Clara phone opr r1258 Fillmore av
" John F h163 Bird av
" John N clk r163 Bird av
" Wm lab h1258 Fillmore av
Borneman Robt restr 171 Halbert h do
" Robt C contr 171 Halbert h do
Bornemann Herman L br mgr S M Flickinger Co h222 High
Bornheimer Alf W contr 328 Woodlawn av h do
Bornicki Frank fnshr Henry C Steul & Sons r142 Lathrop
Bornitz Robt N clk Westinghouse Electric & Mfg Co r279 Jewett av
Bornstein Dora student r50 Goulding av
" Jacob h50 Goulding av
" Jennie sten r50 Goulding av
" Wm tailor h64 Crestwood av
Borodzik Alex formn r863 Seneca
" Frank hlpr r863 Seneca
" Jos hlpr r863 Seneca
" Julia Mrs dry gds 857 Seneca h863 do
" Michl soft drinks 863 Seneca h do
Borom Geo lab r159 Laird av
" Henry galvanizer h159 Laird av
" Ruth clk h186 W Chippewa
Borombovics Paul gro 2287 Niagara h do
Boron John demonstrator h145 Cable
" Jos mach h64 Central av
" Thos mldr h152 Bush

EDWARD E

59th YEAR—THINGS TO WEAR and THINGS FOR T

KUBINSKI
" Lillian Mrs furn rms 223 Franklin h624 Norfolk av
Kubisci Edw chauf r21 Cornelia
" Frank mech r21 Cornelia
" Rose clk r21 Cornelia
" Wanda clk r21 Cornelia
" Wm mach h21 Cornelia
Kubish Jos mach opr Jos Barek h30 Davis
Kubisty Ann wrapper r138 Strauss
" Frank hlpr r138 Strauss
" John lab h138 Strauss
" Thos mech h390 Bristol
Kubiszewski Bronislawa clk r235 Cable
" Theo carp h235 Cable
Kubiszyn John lab r539 Fulton
" Michl lab h539 Fulton
Kubler Eliz (wid Henry) h533 Tonawanda
Kubli Geo A r911 W Delavan av
" Harry F (Kubli & Hofling) h122 Springville
KUBLI & HOFLING (Harry F Kubli, Geo J Hofling), Real Estate and Insurance 3049 Main, Phone Crescent 5405
Kublitz Jacob clothing 133 Broadway h do
Kubow Steph lab h56 Reservation
Kubrasey Alex lab 303 Spring
Kubus Stanley lab h68 Clay
Kuc Eliz gro 1654 William h do
" Jos lab r1654 William
" Julia pkr r37 Deshler
" Mary (wid Lawrence) h37 Deshler
Kucala Louis pntr h211 Reed
Kucera Stanislaw bench hd h104 Lombard
Kucewicz Titus dry gds 286 Amherst h do
" Wladyslaw mach h18 Germain
Kuch Eug J undtkr 1094 E Ferry h do
" Kath r231 Mulberry
" Norbert slsmn r505 Winslow av
" Raymond Rev asst rector St Mary's Magdalene R C Ch r24 Urban
" Valentine slsmn h505 Winslow av
" Valentine J slsmgr h1, 257 Elmwood av
Kucharczak John butcher r82 Lyman
Kucharczyk Andrew firemn h94 Lombard
Kucrarski Adam lab h26 Clarke
" Andrew soft drinks 1134 Clinton h do
" Anthony meatctr Chester Michalski r1134 Clinton
" Bernice clk r95 Lathrop
" Casimir pntr r13 Wasmuth av
" Edw lab r952 Hertel av
" Frank lab h46 Jones
" Frank lab h95 Lathrop
" Helen waitress r46 Jones
" John cond r95 Lathrop
" John confr 952 Hertel av h do
" John gro 31 Reservation h do
" John soft drinks 85 Chandler h do
" John M soft drinks 483 Peckham h do
" Jos carting 76 Gibson h do
" Jos mldr h78 Quincy
" Josephine Mrs restr 202 Howell h do
" Julia hlpr r76 Sears
" Julia pkr r261 Weiss
" Leo coremkr Kensington Davis Corp h92 Clarke
" Max carp h261 Weiss
" Stanley lab r261 Weiss
" Walter lab r26 Clarke
Kuchavik Henry (Seneca Wire Frame Co) 51 Massachusetts
Kuchazyszyn John lab h426 Abbott rd
Kuchenmeister Geo J slsmn J Dold Pkg Co h 308 Box av
" John reprmn Am Radiator Co r529 Niagara
" Martha sten Household Outfitting Co r250 Brinkman
Kuchenreiter John lab h111 St Joseph av
Kuchingko Victor lab r444 Hamburg
Kuchkowski John mill hd r192 Grote
Kuchlewicz Walter lab h125 Peter
Kuchnicki John gro 814 S Division h do
Kuchta Adam paneler Buff Body Corp r130 Sears
" Frank lab h268 Grote
" Matthew lab h967 Seneca
Kuciak John mach h102 Montgomery
Kucinski Anthony lab h56 Empire
" Edmund baker r150 Kosciuszko
" Frank h43 Schmarbeck

KUCINSKI
" Frank mldr h150 Kosciuszko
" Helen M hlpr A Szelagowski & Son r56 Empire
" Louis tailor r43 Schmarbeck
" Seweryya clk r43 Schmarbeck
Kucko Geo lab h151 Baitz av
Kucymbala Casimer coremkr h2, 148 Zelmer
Kucza John car repr h101 Pink
Kuczanowski Wojcieck hlpr h160 Gorski
Kuczewski Bertha boxmkr r54 Deshler
" Chester clk h55 Brownell
" John lab h54 Deshler
Kuczka Boleslaus inspr h14 Warren av
" John carp r1437 E Delavan av
" Jos clk Republic Metalware Co res Lackawanna N Y
" Leo lab h13 New S Ogden
" Maryanna (wid Valentine) h14 Warren av
Kuczkowski Anna (wid Aloysius) h17 Mills
" Bernard hlpr r17 Mills
" Edw carp r170 Rother av
" Francis Mrs slsldy Goldin's h403 Fox
" John auto pntr Ford Motor Co h466 Sweet av
" John gro 187 Lovejoy h do
" Jos J lab h70 Townsend
" Louis lab r9 Concord
" Max agt John Hancock Mutual Life Ins Co h170 Rother
" Michl car repr h63 Gibson
" Michl lab r9 Concord
Kuczma Agatha r64 Howlett
" John firemn r64 Howlett
" Jos mattressmkr Hard Mfg Co r64 Howlett
" Ladislawa lab r64 Howlett
" Peter lab h64 Howlett
" Sophia mach opr r64 Howlett
" Thos firemn r64 Howlett
Kuczman Louis weighmstr Maritime Milling Co h25 Hilton
Kuczmanski Anna (wid Alex) h68 Lathrop
" John lab r68 Lathrop
" Jos lab r68 Lathrop
" Louis lab r25 Hilton
" Stanislaus mach h68 Lathrop
Kuczmarek Anthony lab h164 Titus av
Kuczmarski Andrew mach opr r111 E Parade av
" Damasius C mach opr r93 Strauss
" Genevieve C mach opr r93 Strauss
" Helen smstrs r111 E Parade av
" John brklyr h111 E Parade av
" Mary (wid Frank) h93 Strauss
" Victoria clk r111 E Parade av
Kuczmiesz Frank hlpr r183 Cable
" Helen clk r183 Cable
" John lab h183 Cable
" Walter mach r183 Cable
Kuczor Mary Mrs h76 Roseville
" Theo r76 Roseville
Kuczora Jos mach opr r319 S Division
Kuczurozos Anthony (Kuczurozos & Lazarus) h 442 William
" & Lazarus (Anthony Kuczurozos, Geo Lazarus) shoe reprs 442 William
Kuczynski Bernard M drftsmn Bley & Lyman h1413 Broadway
" Edw r328 Cornwall av
" Florence mach opr r150 Kosciuszko
" Frank lab h154 Miller av
" Frank B spl police h87 Weimar
" John F h328 Cornwall av
" Louis lab h188 Townsend
" Rose mach opr r368 S Ogden
" Stanley r328 Cornwall av
" Theofil lab h17 Goodyear av
" Thos lab h38 Loepere
Kud Stanley lab h105 Howell
Kudalski Paul shoemkr r138 Clarke
" Walter mus tchr 138 Clarke h do
Kudeba Peter soldier U S Recruiting Sta r139 N Pearl
Kudeck Otto lab h33 Shumway
Kudelski Anthony shoe repr h360 Wilson
Kudiva Maurice mldr Jewett & Co h50 Reservation
Kudla Helen (wid John) waitress h262 Stockbridge av
" Stanley chauf r259 Reiman av

CONSULT THE

KENNEDY
" Henry eng h140 Gold
" Henry lab r61 Main
" Howard h42 Plymouth av
" Howard S lab h276 Hoyt
" Hugh pres Seneca Iron & Steel Co h197 Summer
" Ida C tchr P S r62 Winspear av
" Irene M tchr P S r68 Parker av
" Irving H sec Metropolitan Discount Corp h960 Lafayette av
" Isabelle Mrs slsldy Davis Bros r64 Ferguson
" Jacob lab h1062 Grant
" Jas r189 Central av
" Jas chauf Wm Henrich's Sons Co h643 Michigan av
" Jas lab h183 4th
" Jas lab r80 N Division
" Jas printer Buff Catholic Publication Co h88 Mayer av
" Jas C reporter The Buff Times r9 Bond
" Jas E lab h ft Arthur
" Jas H firemn r202 Cleveland av
" Jas J h372 Bryant
" Jas J soft drinks 262 W Genesee h154 Woodlawn av
" Jas L eng h331 Minnesota av
" Jas S formn P O h456 Colvin pkwy
" Jas T lieut police h58 Oak Grove av
" Jas W formn P O h292 Lexington av
" Jane h203, 1165 Delaware av
" Jennie (wid Jas) h202 Cleveland av
" Jeremiah formn h36 Heward av
" Jeremiah mach h395 N Division
" Jessie dom r731 7th
" John r234 Fulton
" John driver W J Murray h78 S Division
" John eng h158 Aldrich av
" John eng h65 Wex
" John mldr r43 Ashton pl
" John plmbr h244 Normal av
" John whsemn Peter A Frasse & Co h150 Hodge av
" John C buyer Beals McCarthy & Rogers h150 Dunlop
" John E h118 Peabody
" John E traff chf police h448 Humboldt pkwy
" John E jr msngr r118 Peabody
" John F cond r289 Highland av
" John F slsmn h40 Orange
" John H h445 West av
" John J bellmn r64 Trinity pl
" John J clk Duggan Pub Co r154 Woodlawn av
" John J genl inspr Bureau of Water h32 South
" John J janitor h rear 202 Peach
" John J lake capt h716 Tacoma av
" John J slsmn r842 Richmond av
" John M inspr r99 Mayer av
" John P caretkr h244 Larkin
" John P with Buff Athletic Club r137 W Huron
" John P Rev asst rector Immaculate Conception R C Church r144 Edward
" Jos lab h340 Breckenridge
" Jos prin Sch 27 h205 Breckenridge
" Jos switchmn h206 Efner
" Jos C r203 Washington
" Jos F h949 Humboldt pkwy
" Jos F clk r9 Bond
" Jos F clk h154 Dunlop
" Jos F clk Pickands Mather & Co r40 Orange
" Jos J with W U Tel Co h253 Woodside av
" Jos P shoemkr r29 Alma av
" Josephine Mrs sec Church Extension Society Epis Diocesan House r2493 Delaware av
" J Leo lawyer 629 Jackson bldg h502 Lafayette av
" Kate I nurse American Red Cross r156 Norwood av
" Kathryn J Mrs h220 Shirley av
" K auto wkr r178 Barton
" Lawrence city firemn r642 Riley
" Lawrence W ironwkr r70 Elmwood av
" Leo J student r331 Minnesota
" Louise Mrs sten r76 W Huron
" Lucille Mrs h352 Elm
" Mabel Mrs janitress r34 Gesl

KENNEDY
" Marcus J clk M & T Natl Bank r86 Latchworth
" Margt (wid Geo) h354 Hoyt
" Margt (wid Hugh) h111 Claremont av
" Margt (wid Jas) r71 Page
" Margt (wid John) h37 South
" Margt clk r476 W Ferry
" Margt Mrs maid r452 Seneca
" Margt Mrs slsldy L L Berger Inc r119 14th
" Margt sten Frontier Roofing Corp r406 Marilla
" Margt M r273 Smith
" Margt M maid 1058 Delaware av
" Marguerite E lawyer 65-68 Dun bldg r186 Sumner pl
" Marie h526 E Utica
" Marie clk r150 Dunlop
" Martha M (wid Edw) h297 Herkimer
" Mary (wid Jas) r459 Plymouth av
" Mary r1500 Main
" Mary clk r2, 17 Columbus pl
" Mary clk r937 Tifft
" Mary clk Larkin Co res Lackawanna N Y
" Mary maid r135 Oakland pl
" Mary clk Weed & Co r16 Wagner pl
" Mary slsldy J N Adam & Co r406 Marilla
" Mary Mrs cook 805 W Ferry
" Mary A clk Millard Fillmore Hosp r253 Woodside av
" Mary A tchr P S r205 Breckenridge
" Mary E drsmkr r372 Bryant
" Mary E Mrs housekpr h76 S Division
" Mary J waitress r1260 Delaware av
" Mary L tchr P S r68 Parker av
" Matthew garage 609 Michigan av h174 Hampshire
" Maurice lab r234 Fulton
" Maurice slsmn r937 Tifft
" Michl J formn r36 Heward av
" Minnie J (wid Jas B) r159 Wesley av
" Myrtle cook h504 Franklin
" Nellie C music tchr r297 Herkimer
" Nettie J r94 Peabody
" Nunzio musician h315 Dewey av
" Patricia slsldy Walbridge & Co r937 Tifft
" Patk J soft drinks 225 Katherine h164 Alabama
" Paul R chemist h2, 22 Edgewood av
" Richd M mach h84 Kilhoffer
" Robt cable splicer r476 Franklin
" Robt waiter r454½ Michigan av
" Robt B carrier P O r297 Herkimer
" Roy G mach h556 Potomac av
" Sabina C (wid Martin J) h9 Bond
" Saml S phys 21 E Huron r do
" Sarah A drsmkr 372 Bryant h do
" Sarah A sten Auto Home Co h2135 Niagara
" Sarah M (wid Matthew) h2135 Niagara
KENNEDY SIDNEY R, Pres Buffalo Insurance Co, h230 North, Phone Tupper 7276
" Stella sorter r94 Peabody
" Thos gate kpr h30 W Balcom
" Thos mattress mkr r412 Northampton
" Thos plmbr Buffalo State Hosp
" Thos steelwkr h406 Marilla
" Thos B carp h937 Tifft
" Thos C desk lieut 9th Precint h152 Humboldt pkwy
" Thos C drugs 494 South Park av h771 McKinley pkwy
" Thos F carrier P O h106 Burton
" Thos H h16 St James pl
" Thos H police h476 W Ferry
" Thos W mgr Grain Handling Corp h68 Parker av
" Thos W pntr h94 Peabody
" Victor E adjuster Merchants Mut Casualty Co h49 Decker av
" Victoria maid 2938 Main
" Victoria J (wid Salem G) r157 Lancaster av
" Virginia phone opr r476 W Ferry
" Walter r51½ Genesee
" Wm r68 Irving pl
" Wm r8 Sycamore
" Wm plstr r837 Main
" Wm slsmn h304 Broadway

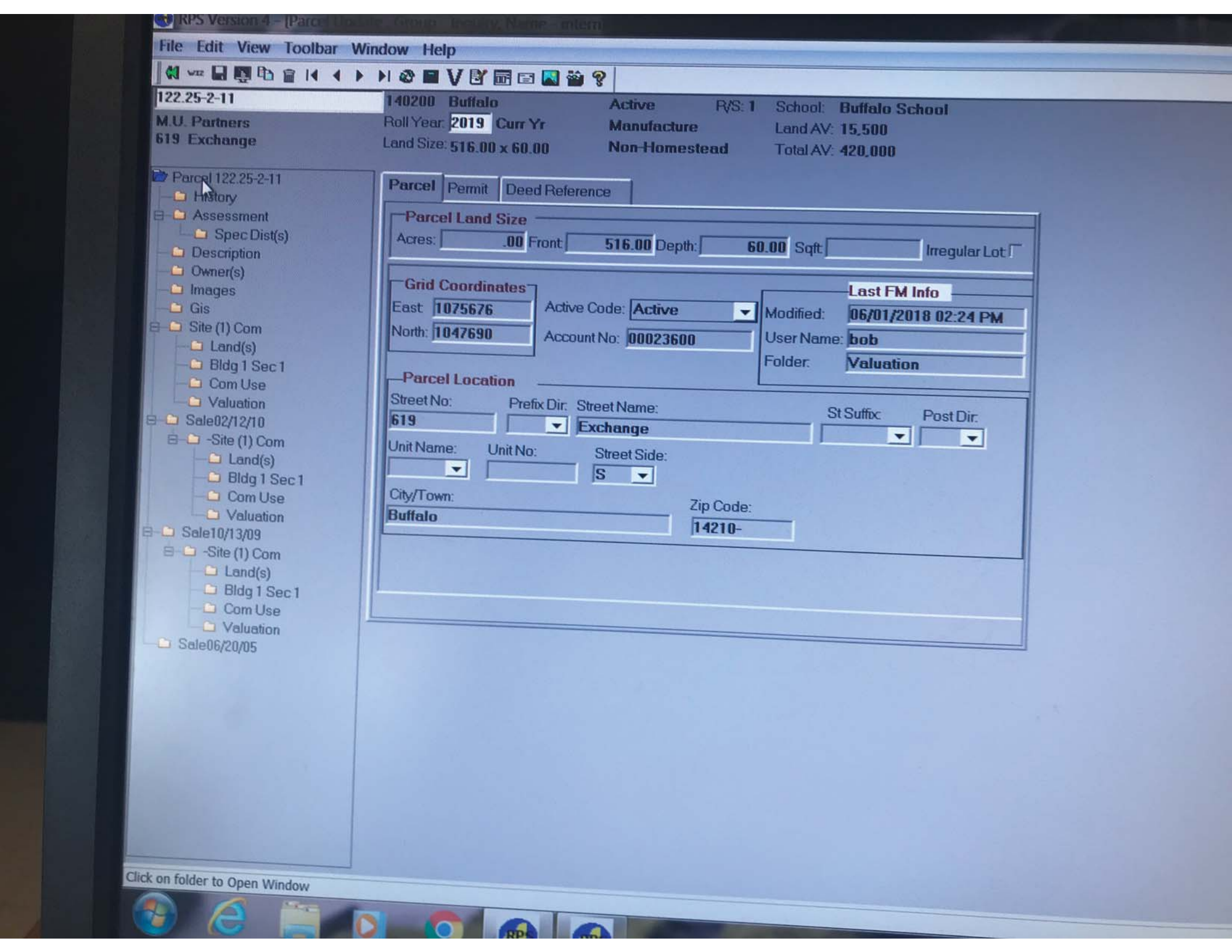
SISTI
" Jos lamp lighter h214 Goethe
" Leonard gro 271 Virginia h do
" Louis clk D L & W R R Co h223 Benzinger
" Mildred pkr Buff Bon Bon Co Inc r240 7th
" Peter shoe repr h493 Front av
" Phyllis clk r223 Benzinger
" Salvator L tailor 251 S Elmwood av h70 Pooley pl
" Sebastian r154 Arkansas
" Teresa (wid Frank) r860 Prospect av
" Thos musician r493 Front av
Sistler Jack O acct r717 Humboldt pkwy
Sisto Thos A barber h240 7th
" Vincent shoe repr 1148 Lovejoy h240 7th
Siszka Steph mach h103 Kelburn
Sitarek Frances mach opr h75 Bridgeman
Sitarski Jos lab h1612 Bailey av
" Stanley lab h297 Rother av
" Walter lab h444 Davey
Sitarzewski Edw pianowkr r98 Freund
" Frank car rider r98 Freund
" John lab r164 Gibson
" Paul soft drinks 461 Lovejoy h do
" Peter carrier PO h98 Freund
Sitcov Harry huckster h201 Madison
Sitcowsky David fruit dlr h198 Monroe
" Eli pdlr h203 Adams
" Freda bkpr Premier Dental Sup Co r198 Monroe
Sitek Jos carp h74 Sweet av
" Valentine tinner h49 Sage
Sites Geo L mach h276 Crowley av
Sitko Alex lab h581 Perry
Sitoz Anthony mach h354 Wilson
Sittenauer Jas hlpr Harry J Knepper Inc r306 Mortimer
Sitter Henry J carp h228 Englewood av
Sitterle Chas lab h126 Monroe
" Edw G chauf PO h57 Ryan
" Frank X lab h336 Adams
" Geo F solr Mohawk Products Co h119 Elmer av
" Lena M clk N Y Tel Co r57 Ryan
" Louis janitor h1, 57 Ryan
" Mary (wid Alois) h126 Monroe
Sitterly Eleanor M clk r56 Tennyson av
" Geo L electn Buff Gen Elec Co r224 Crowley av
" John M slsmn United Artists Corp h690 Tacoma av
" Lansing electn h783 7th
" Oscar E formn Penn R R h76 Unger av
" Wm H gen car inspr Penn R R h56 Tennyson av
Sittnauer Barbara hlpr r489 Ellicott
Sittniewski Amelia (wid Victor) r200 Cable
" Casimir chauf h156 Weimar
" Cecelia clk r200 Cable
" Frank T undtkr 154 Weimar h do
" Henry chipper h95 Kelburn
" John drftsmn h200 Cable
" Walter reprmn h117 Gorski
Sitts Chas carp h140 Rhode Island
Sitzman Michl H contr 90 Doat h do
Sitzmann Agnes M clk Dextro Products Inc r225 Thompson
" Anthony clk h225 Thompson
" Aug radiator bldr r136 Ontario
" Frank clk h102 Gorton
" Mildred clk Gibbons & Pottle r225 Thompson
" Stanley lab h47 Gibson
Siuda Andrew A sec-treas Chester B Winn Inc h 17 Moselle
" Jos printer Buff Telegram Corp r286 Rother av
" Peter lab r117 Lombard
" Phil carp h41 Mills
" Stanislaus pntr h34 Loepere
Siudak John lab h117 Lombard
" Steph waiter r117 Lombard
Siudo Eva trmr r47 Gibson
" Stanley lab h47 Gibson
Siudzinski Cecilia (wid Michl) h351 Lovejoy
" Edw clk r326 Barnard
" Helen clk r16 Kent
" Jos chauf r351 Lovejoy
" Jos A carrier PO h58 Beck
" Lottie drsmkr r351 Lovejoy
" Louis factorywkr r16 Kent

SIUDZINSKI
" Louise mach opr r351 Lovejoy
" Martin hostler h16 Kent
" Rosalie factorywkr r16 Kent
" Stanislawa (wid Frank) h326 Barnard
" Stanley eng h355 Lovejoy
" Steph carrier PO r16 Kent
" Thaddeus eng r40 Rother av
" Victoria clk r326 Barnard
" Victoria nurse r16 Kent
Siuta Anna factorywkr r766 Eagle
" Bertha factorywkr r766 Eagle
" Frank factorywkr r766 Eagle
" Helen (wid Frank) h766 Eagle
" Jos contr 453 Elk h do
Sivecz Jos W rubberwkr h2287 Niagara
Siver Burt mldr h32 Zittel
" Geo pntr r rear 2424 Seneca
" John h rear 2424 Seneca
" Roy pntr r rear 2424 Seneca
Siverson Chas W student r410 Huntington av
" Wm C v-pres Buff Weaving & Belting Co h410 Huntington av
Sivyer Franklin C driver r50 Wasmuth av
" Leon J autowkr Ford Motor Co r50 Wasmuth
" Pauline (wid Geo) h50 Wasmuth av
Siwek Anthony lab h164 Lathrop
" John lab h297 Amherst
Siwiak Casimir tinsmith h42 Crosman av
" Jos h175 Lombard
Siwicz Isadore lab h69 Milburn
" Rose hlpr r1812 Clinton
Siwiec Emily hlpr r265 Weiss
" Helen pkr r265 Weiss
" John lab h265 Weiss
" Rose hlpr r265 Weiss
" Thaddeus lab r265 Weiss
Siwierski Matthew tailor h72 St Louis av
Siwik Mary clk r47 Churchill
" Peter lab h47 Churchill
Siwinski John baker Gen Baking Co r24 Olcott av
" John lab h75 Sears
" Jos car repr r39 Lombard
" Matthew mach r72 Townsend
Siwola John lab r102 Marion av
Siwula Mary A (wid Walter) soft drinks 80 Rano h do
" Stanley furnacemn h61 Gladstone
Six Chas lab r44 Lyman
" Clara M mlnr 74 Allen r54 E Oakwood pl
" Geo chauf r12 George
" Geo formn h38 George
" Jos mldr Buff Fndry & Mach Co h44 Lyman
" Jos J h54 E Oakwood pl
" Kath (wid Geo X) h12 George
" Theo D clk A J Wright & Co r44 Lyman
" Wm teleg opr r44 Lyman
Sixby Marion clk r15 Arnold
" Nelson H pntr h15 Arnold
" Wm H pntr Hotel Buff h15 Arnold
Sixt John A city firemn h158 Alabama
" Louis J ptrnmkr h117 Box av
Size Frank M clk PO h96 Fox
" Michl steelwkr h39 Hayden
" Michl jr carrier PO r39 Hayden
" Wm E metalwkr h372 Hudson
Sizeland Clarence M cashr Ford Motor Co h229 Villa av
" Ethel M mlnr 188 Grant r35 Danforth
" Harvey autowkr h21 Danforth
" Richd cabtmkr h35 Danforth
Sizer Alice F forwmn Bunce-Kinder Co r141 Arkansas
" Forge Co 244 Larkin
" Frank carp h917 Smith
" Frank H carp h141 Arkansas
" Wm T carp r141 Arkansas
Sjoden Arth drftsmn h20 Tuxedo pl
" Ellen V sten r598 Hertel av
" Elsie r598 Hertel av
SJODEN ERIC, Director Mechanical Production American Radiator Co, h598 Hertel av, Phone Riverside 1543
" Gerhard W formn h176 Crestwood av
Skadan Fay pntr h73 Seymour
Skaddan Clayton C h42 Alice av

MAILING LIST SERVICE

APPENDIX E

MUNICIPAL RECORDS


RPS Version 4 - [Parcel Header - Group - Security Name - intern]
File Edit View Toolbar Window Help
122.25-2-11
140200 Buffalo
Active
R/S: 1
School: Buffalo School
M.U. Partners
Roll Year: 2019 Curr Yr
Manufacture
Land AV: 15,500
619 Exchange
Land Size: 516.00 x 60.00
Non-Homestead
Total AV: 420,000
Parcel 122.25-2-11
History
Assessment
Spec Dist(s)
Description
Owner(s)
Images
Gis
Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale02/12/10
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale10/13/09
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale06/20/05
Parcel
Permit
Deed Reference
Parcel Land Size
Acres: .00
Front: 516.00
Depth: 60.00
Sqft:
Irregular Lot
Grid Coordinates
East: 1075676
North: 1047690
Active Code: Active
Account No: 00023600
Last FM Info
Modified: 06/01/2018 02:24 PM
User Name: bob
Folder: Valuation
Parcel Location
Street No: 619
Prefix Dir:
Street Name: Exchange
St Suffix:
Post Dir:
Unit Name:
Unit No:
Street Side: S
City/Town: Buffalo
Zip Code: 14210-
Click on folder to Open Window

File Edit View Toolbar Window Help

122.25-2-11
M.U. Partners
619 Exchange

140200 Buffalo | Active | P/S: 1 | School: Buffalo School
Roll Year: 2019 Curr Yr | Manufacture | Land AV: 15,500
Land Size: 516.00 x 60.00 | Non-Homestead | Total AV: 420,000

- Parcel 122.25-2-11
  - History
  - Assessment
    - Spec Dist(s)
  - Description
  - Owner(s)
  - Images
  - Gis
  - Site (1) Com
    - Land(s)
    - Bldg 1 Sec 1
    - Com Use
    - Valuation
  - Sale02/12/10
    - -Site (1) Com
      - Land(s)
      - Bldg 1 Sec 1
      - Com Use
      - Valuation
  - Sale10/13/09
    - -Site (1) Com
      - Land(s)
      - Bldg 1 Sec 1
      - Com Use
      - Valuation
  - Sale06/20/05

Assessment | Reassessment Values | Market Value Survey

Land Assessed Value: 15,500
Total Assessed Value: 420,000
Residential Percent:
Uniform Percent: 68.00
Full Market Value: 617,600
Partial Construction Flag:

Taxable Values

County Taxable:	420,000
Muni Taxable:	420,000
School Taxable:	420,000
Muni After STAR	420,000
Schl After STAR:	420,000

Relevies

School Relevy: .00

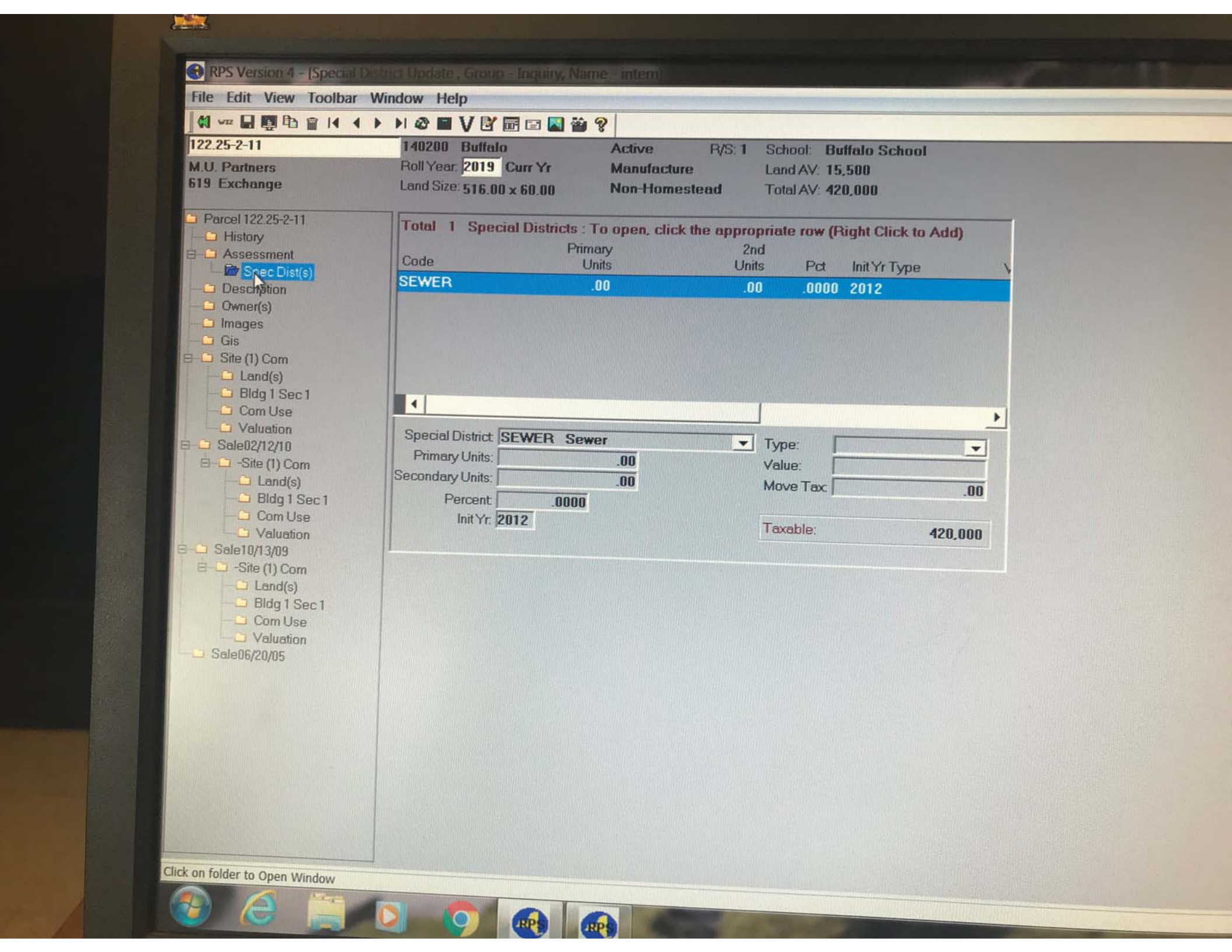
AR Information

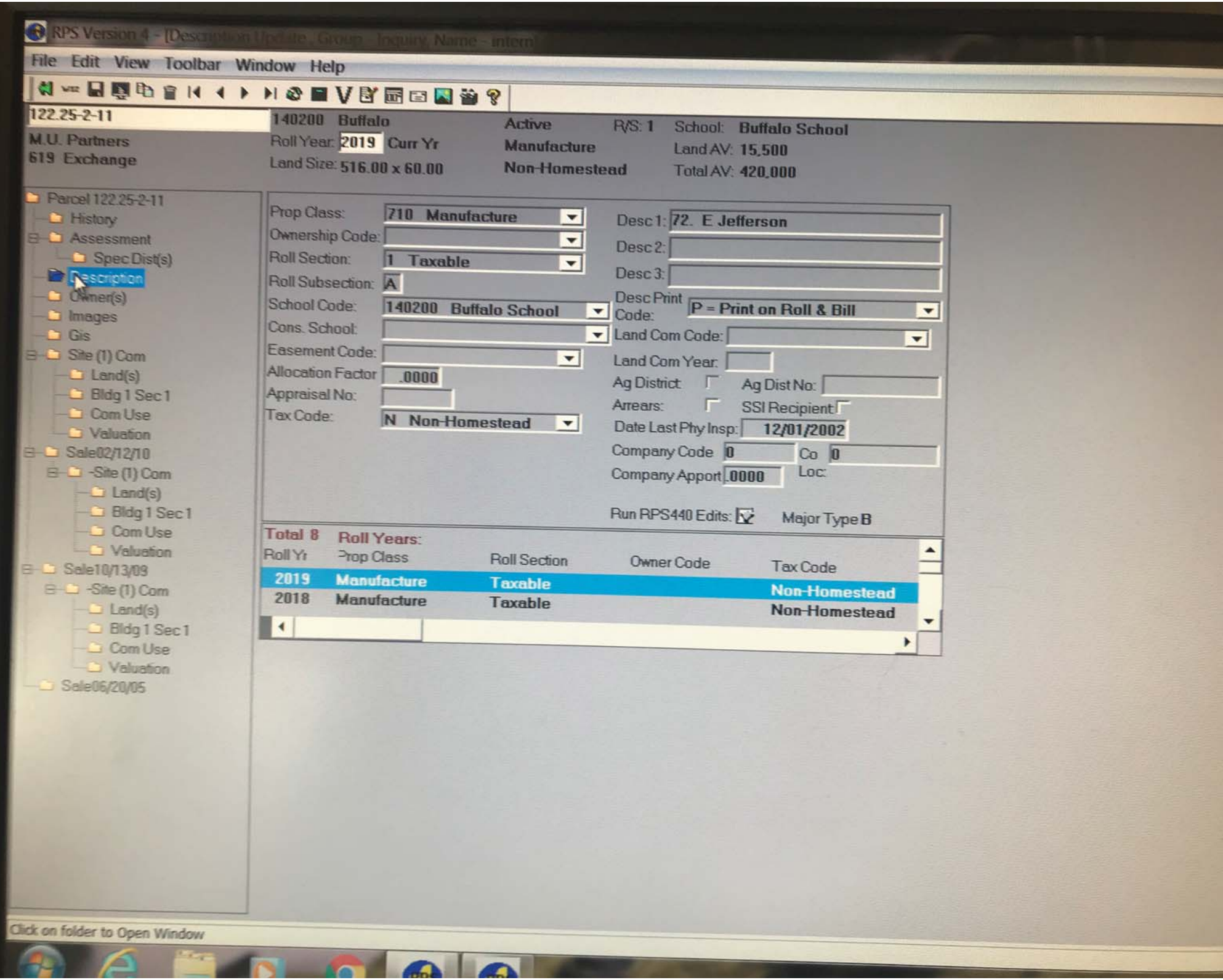
Equal Inc: Phys. Inc: Hold AR Amt:
Equal Dec: Phys. Dec: Split Merge No:

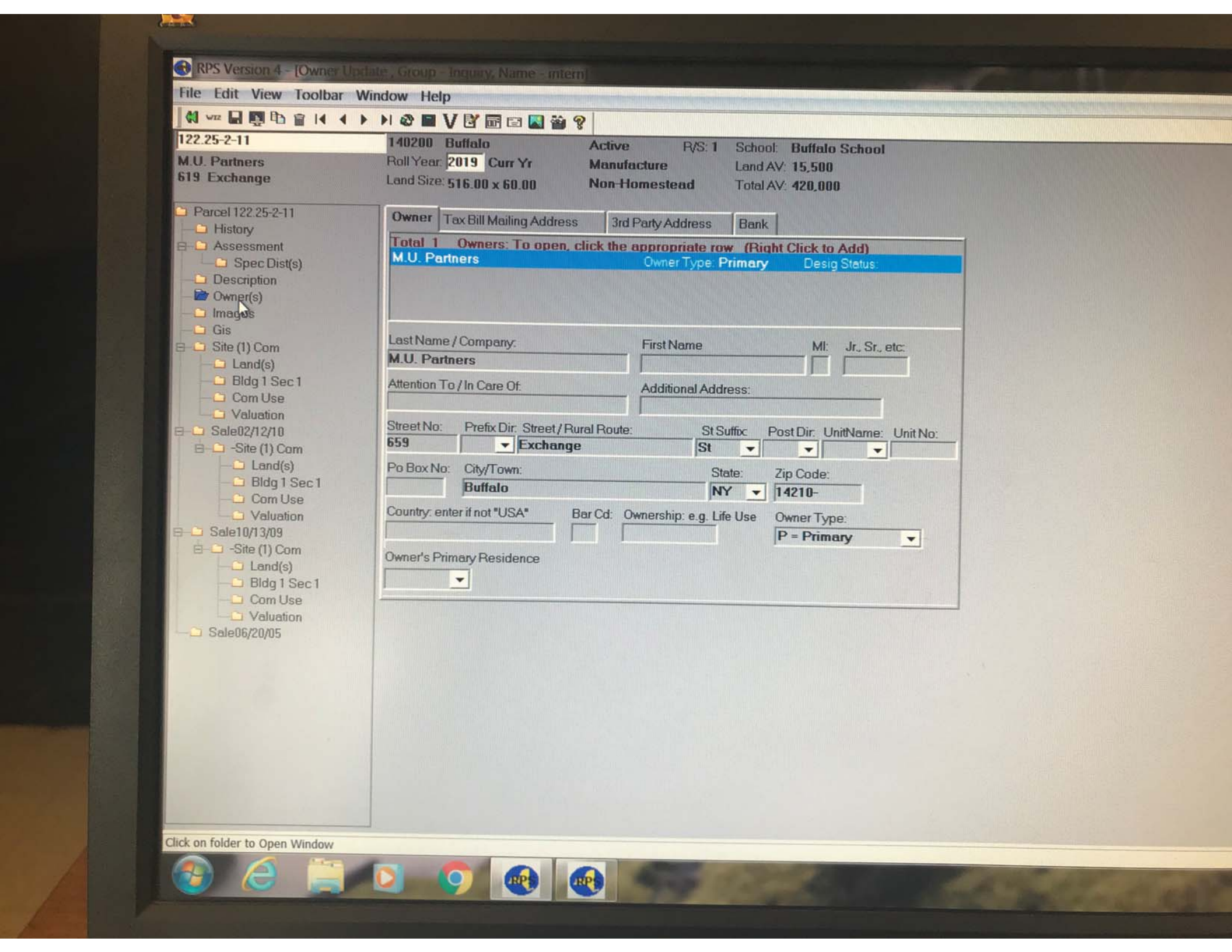
Total 8 Roll Years:

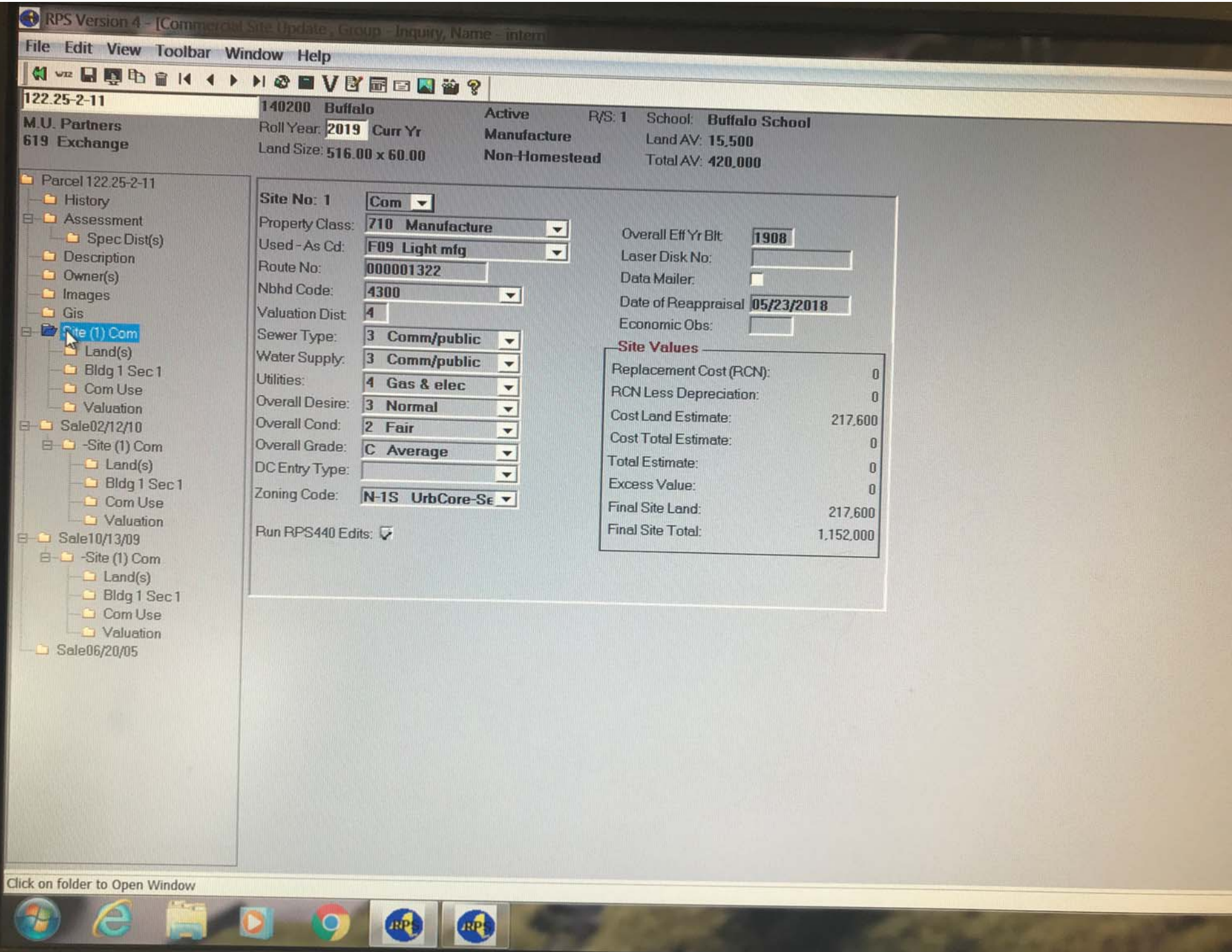
Roll YR	Land AV	Total AV	$ Diff from PY	% Chg from PY
2019	15,500	420,000	0	0
2018	15,500	420,000	0	0
2017	15,500	420,000	0	0
2016	15,500	420,000	0	0
2015	15,500	420,000	0	0
2014	15,500	420,000	0	0

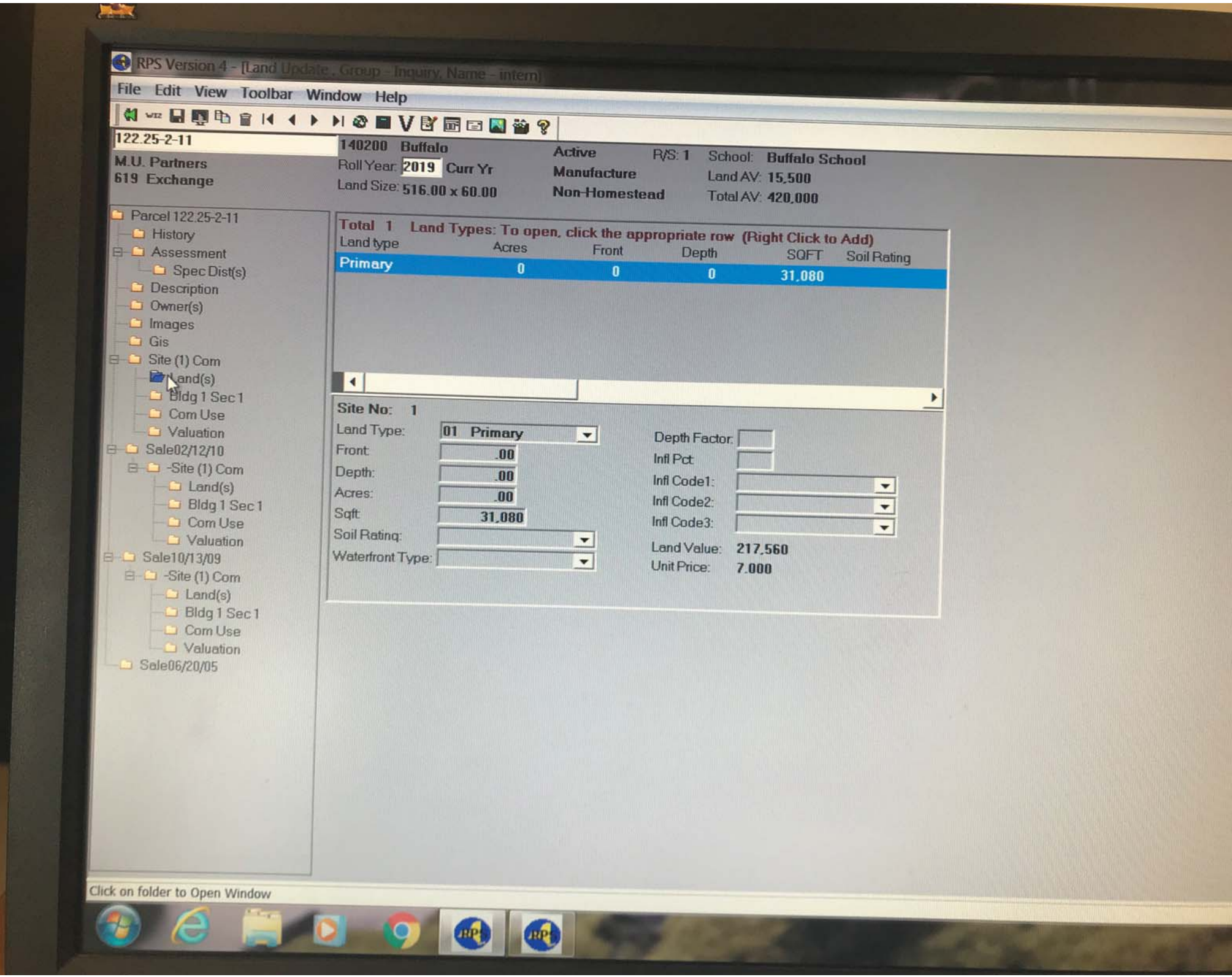
Click on folder to Open Window

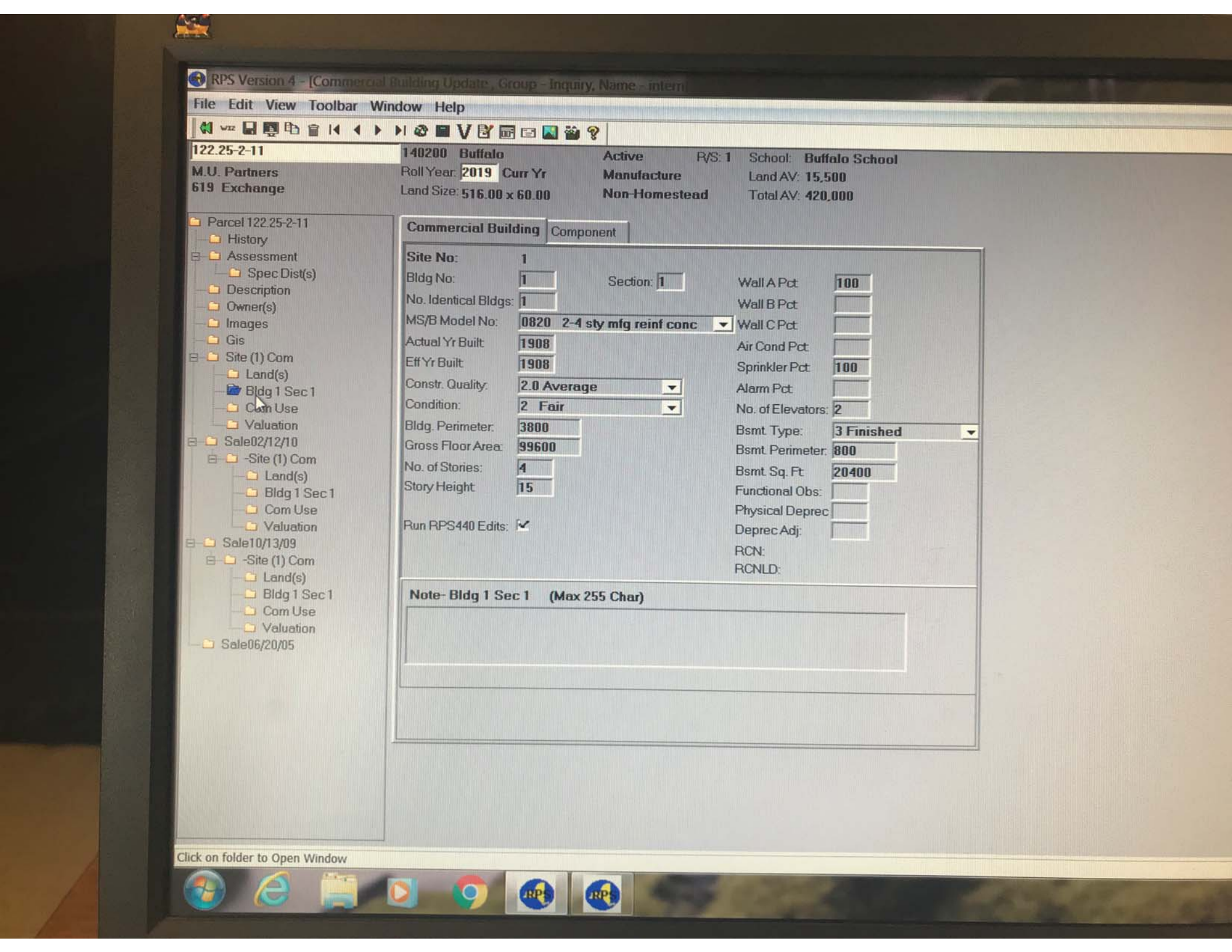

RPS Version 4 - [Special District Update , Group - Inquiry, Name - intern]
File Edit View Toolbar Window Help
122.25-2-11
140200 Buffalo
Active
R/S: 1
School: Buffalo School
M.U. Partners
Roll Year: 2019 Curr Yr
Manufacture
Land AV: 15,500
619 Exchange
Land Size: 516.00 x 60.00
Non-Homestead
Total AV: 420,000
Parcel 122.25-2-11
History
Assessment
Spec Dist(s)
Description
Owner(s)
Images
Gis
Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale02/12/10
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale10/13/09
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale06/20/05
Total 1 Special Districts : To open, click the appropriate row (Right Click to Add)
Code
Primary Units
2nd Units
Pct
Init Yr
Type
SEWER .00 .00 .0000 2012
Special District: SEWER Sewer
Primary Units: .00
Secondary Units: .00
Percent: .0000
Init Yr: 2012
Type:
Value:
Move Tax: .00
Taxable: 420,000
Click on folder to Open Window

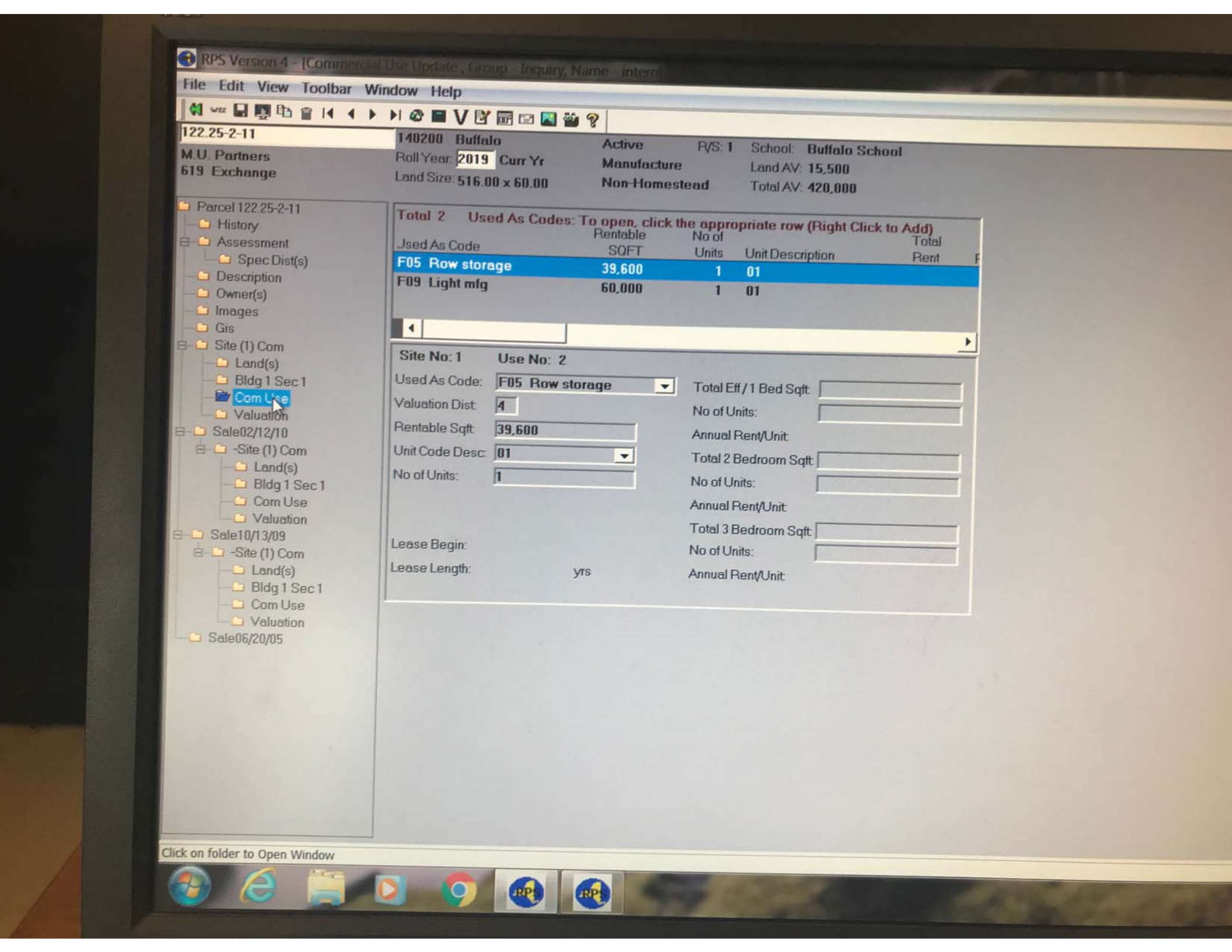

RPS Version 4 - [Description Update, Group - Inquiry, Name - intern]
File Edit View Toolbar Window Help
122.25-2-11
M.U. Partners
619 Exchange
140200 Buffalo
Roll Year: 2019 Curr Yr
Land Size: 516.00 x 60.00
Active
Manufacture
Non-Homestead
R/S: 1
School: Buffalo School
Land AV: 15,500
Total AV: 420,000
Parcel 122.25-2-11
History
Assessment
Spec Dist(s)
Description
Owner(s)
Images
Gis
Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale02/12/10
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale10/13/09
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale06/20/05
Prop Class: 710 Manufacture
Ownership Code:
Roll Section: 1 Taxable
Roll Subsection: A
School Code: 140200 Buffalo School
Cons. School:
Easement Code:
Allocation Factor .0000
Appraisal No:
Tax Code: N Non-Homestead
Desc 1: 72. E Jefferson
Desc 2:
Desc 3:
Desc Print Code: P = Print on Roll & Bill
Land Com Code:
Land Com Year:
Ag District:
Ag Dist No:
Arrears:
SSI Recipient:
Date Last Phy Insp: 12/01/2002
Company Code 0
Co 0
Company Apport .0000
Loc:
Run RPS440 Edits:
Major Type B
Total 8 Roll Years:
Roll Yr | Prop Class | Roll Section | Owner Code | Tax Code
2019 Manufacture Taxable Non-Homestead
2018 Manufacture Taxable Non-Homestead
Click on folder to Open Window

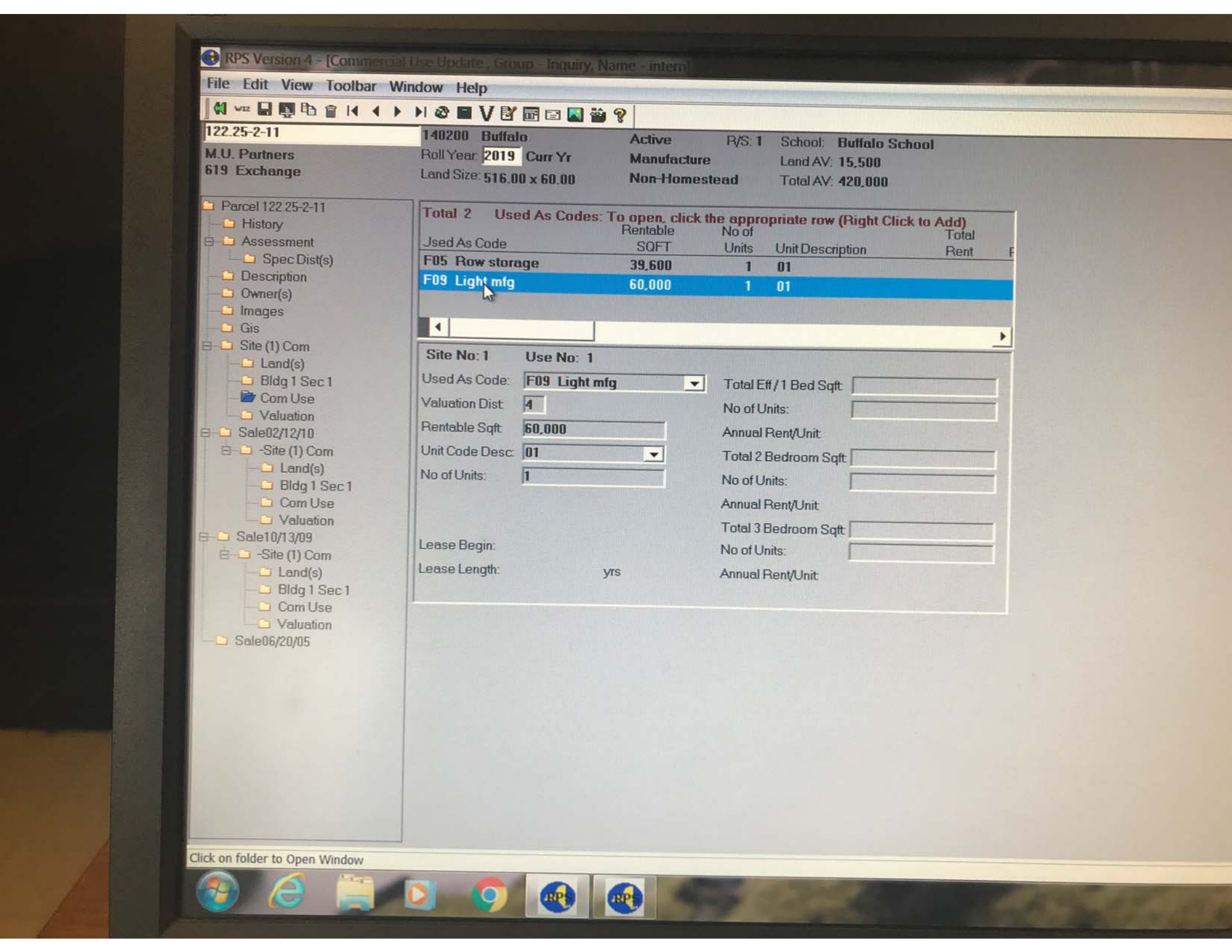

RPS Version 4 - [Owner Update , Group - Inquiry, Name - intern]
File Edit View Toolbar Window Help
122.25-2-11
M.U. Partners
619 Exchange
140200 Buffalo
Roll Year: 2019 Curr Yr
Land Size: 516.00 x 60.00
Active
Manufacture
Non-Homestead
R/S: 1
School: Buffalo School
Land AV: 15,500
Total AV: 420,000
Parcel 122.25-2-11
History
Assessment
Spec Dist(s)
Description
Owner(s)
Images
Gis
Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale02/12/10
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale10/13/09
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale06/20/05
Owner
Tax Bill Mailing Address
3rd Party Address
Bank
Total 1 Owners: To open, click the appropriate row (Right Click to Add)
M.U. Partners
Owner Type: Primary
Desig Status:
Last Name / Company:
M.U. Partners
First Name
MI:
Jr., Sr., etc:
Attention To / In Care Of:
Additional Address:
Street No:
659
Prefix Dir:
Street / Rural Route:
Exchange
St Suffix:
St
Post Dir:
UnitName:
Unit No:
Po Box No:
City/Town:
Buffalo
State:
NY
Zip Code:
14210-
Country: enter if not "USA"
Bar Cd:
Ownership: e.g. Life Use
Owner Type:
P = Primary
Owner's Primary Residence
Click on folder to Open Window

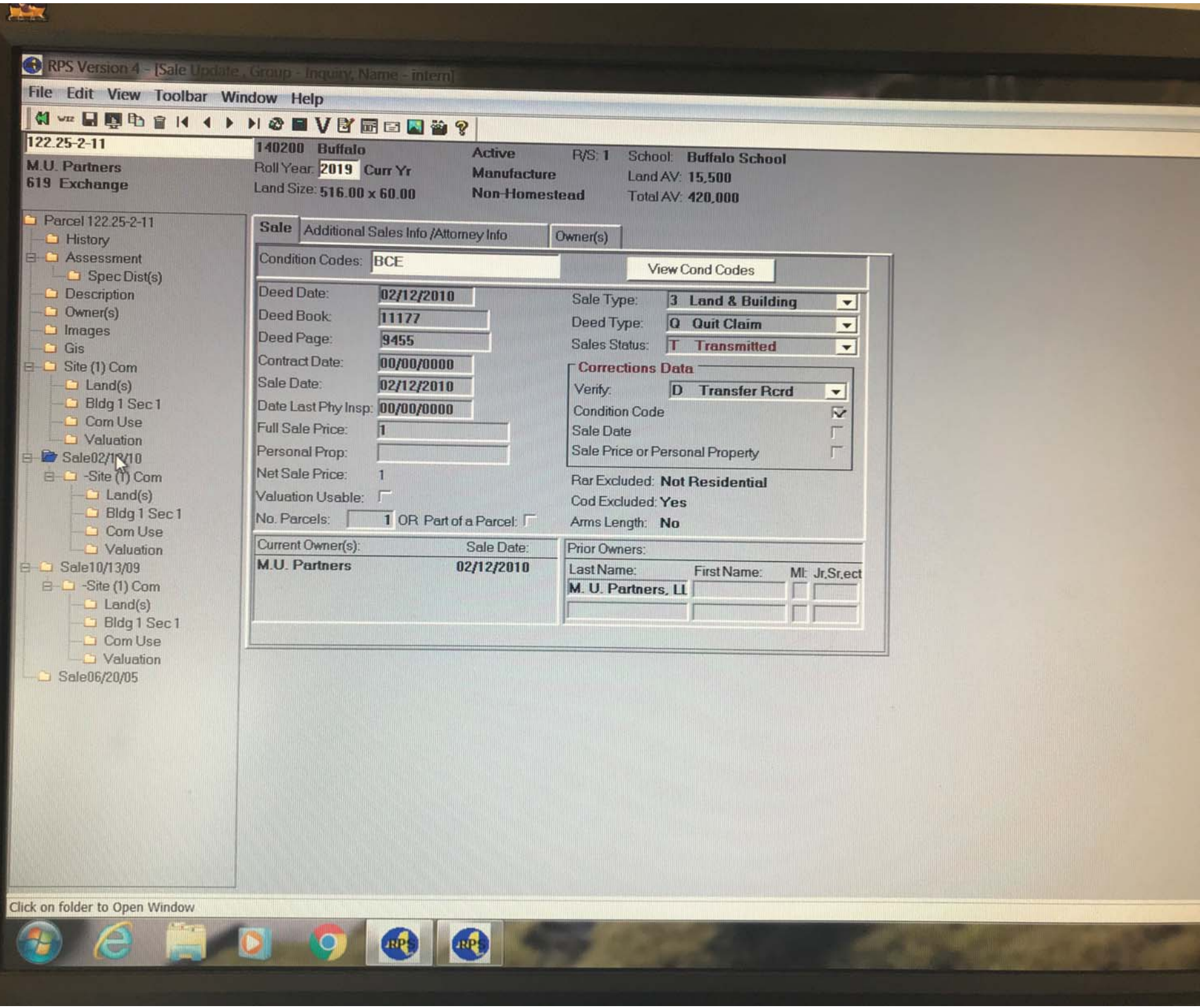

RPS Version 4 - [Commercial Site Update , Group - Inquiry, Name - interm]
File Edit View Toolbar Window Help
122.25-2-11
M.U. Partners
619 Exchange
140200 Buffalo
Roll Year: 2019 Curr Yr
Land Size: 516.00 x 60.00
Active
Manufacture
Non-Homestead
R/S: 1
School: Buffalo School
Land AV: 15,500
Total AV: 420,000
Parcel 122.25-2-11
History
Assessment
Spec Dist(s)
Description
Owner(s)
Images
Gis
Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale02/12/10
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale10/13/09
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale06/20/05
Site No: 1
Com
Property Class: 710 Manufacture
Used - As Cd: F09 Light mfg
Route No: 000001322
Nbhd Code: 4300
Valuation Dist: 4
Sewer Type: 3 Comm/public
Water Supply: 3 Comm/public
Utilities: 4 Gas & elec
Overall Desire: 3 Normal
Overall Cond: 2 Fair
Overall Grade: C Average
DC Entry Type:
Zoning Code: N-1S UrbCore-Se
Run RPS440 Edits:
Overall Eff Yr Blt: 1908
Laser Disk No:
Data Mailer:
Date of Reappraisal 05/23/2018
Economic Obs:
Site Values
Replacement Cost (RCN): 0
RCN Less Depreciation: 0
Cost Land Estimate: 217,600
Cost Total Estimate: 0
Total Estimate: 0
Excess Value: 0
Final Site Land: 217,600
Final Site Total: 1,152,000
Click on folder to Open Window

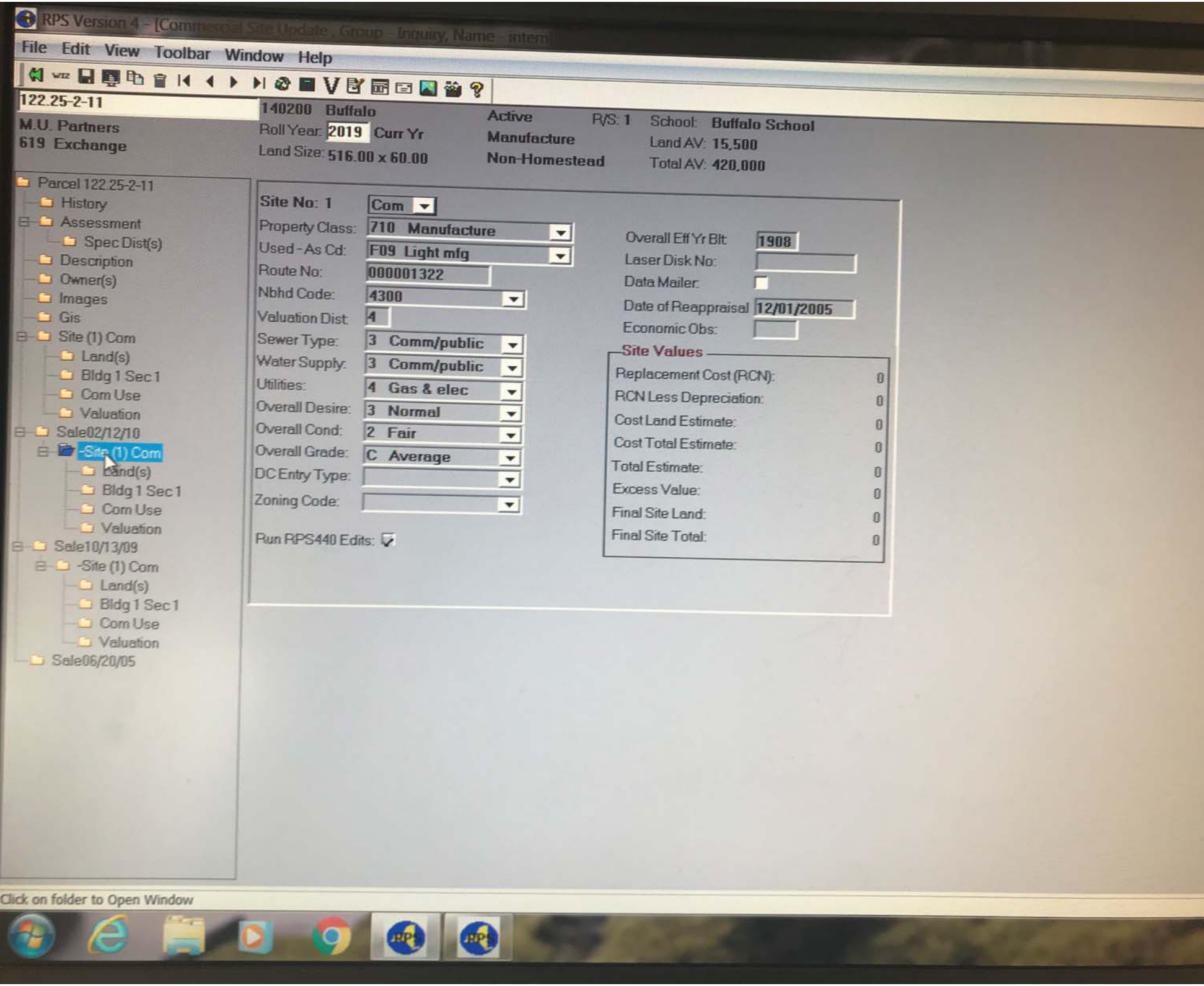

RPS Version 4 - [Land Update, Group - Inquiry, Name - intern]
File Edit View Toolbar Window Help
122.25-2-11
M.U. Partners
619 Exchange
140200 Buffalo
Roll Year: 2019 Curr Yr
Land Size: 516.00 x 60.00
Active
Manufacture
Non-Homestead
R/S: 1
School: Buffalo School
Land AV: 15,500
Total AV: 420,000
Parcel 122.25-2-11
History
Assessment
Spec Dist(s)
Description
Owner(s)
Images
Gis
Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale02/12/10
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale10/13/09
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale06/20/05
Total 1 Land Types: To open, click the appropriate row (Right Click to Add)
Land type Acres Front Depth SQFT Soil Rating
Primary 0 0 0 31,080
Site No: 1
Land Type: 01 Primary
Front: .00
Depth: .00
Acres: .00
Sqft: 31,080
Soil Rating:
Waterfront Type:
Depth Factor:
Infl Pct:
Infl Code1:
Infl Code2:
Infl Code3:
Land Value: 217,560
Unit Price: 7.000
Click on folder to Open Window

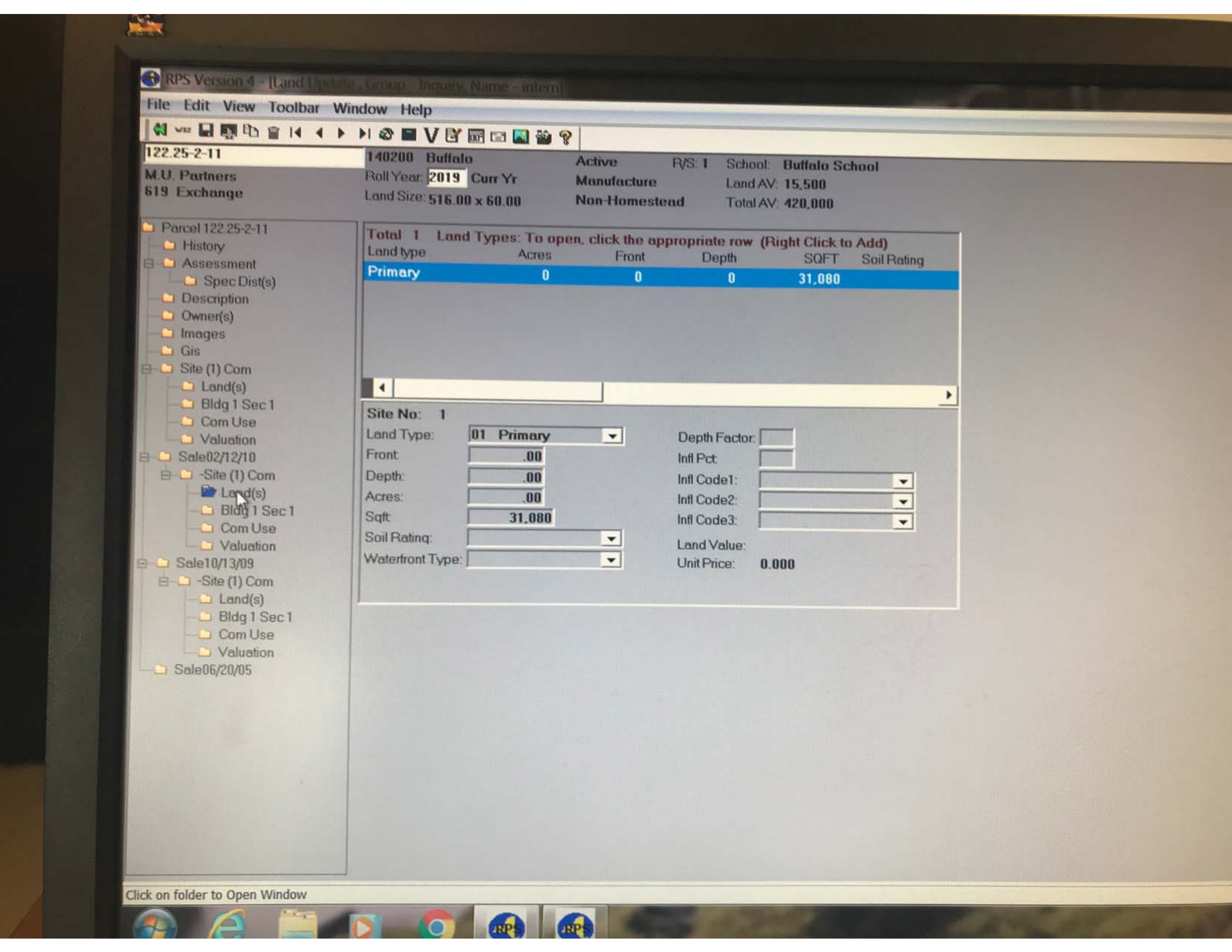

RPS Version 4 - [Commercial Building Update, Group - Inquiry, Name - intern
File Edit View Toolbar Window Help
122.25-2-11
140200 Buffalo
Active
R/S: 1
School: Buffalo School
M.U. Partners
Roll Year: 2019 Curr Yr
Manufacture
Land AV: 15,500
619 Exchange
Land Size: 516.00 x 60.00
Non-Homestead
Total AV: 420,000
Parcel 122.25-2-11
History
Assessment
Spec Dist(s)
Description
Owner(s)
Images
Gis
Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale02/12/10
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale10/13/09
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale06/20/05
Commercial Building
Component
Site No: 1
Bldg No: 1
Section: 1
No. Identical Bldgs: 1
MS/B Model No: 0820 2-4 sty mfg reinf conc
Actual Yr Built: 1908
Eff Yr Built: 1908
Constr. Quality: 2.0 Average
Condition: 2 Fair
Bldg. Perimeter: 3800
Gross Floor Area: 99600
No. of Stories: 4
Story Height: 15
Run RPS440 Edits:
Wall A Pct: 100
Wall B Pct:
Wall C Pct:
Air Cond Pct:
Sprinkler Pct: 100
Alarm Pct:
No. of Elevators: 2
Bsmt. Type: 3 Finished
Bsmt. Perimeter: 800
Bsmt. Sq. Ft: 20400
Functional Obs:
Physical Deprec
Deprec Adj:
RCN:
RCNLD:
Note- Bldg 1 Sec 1 (Max 255 Char)
Click on folder to Open Window

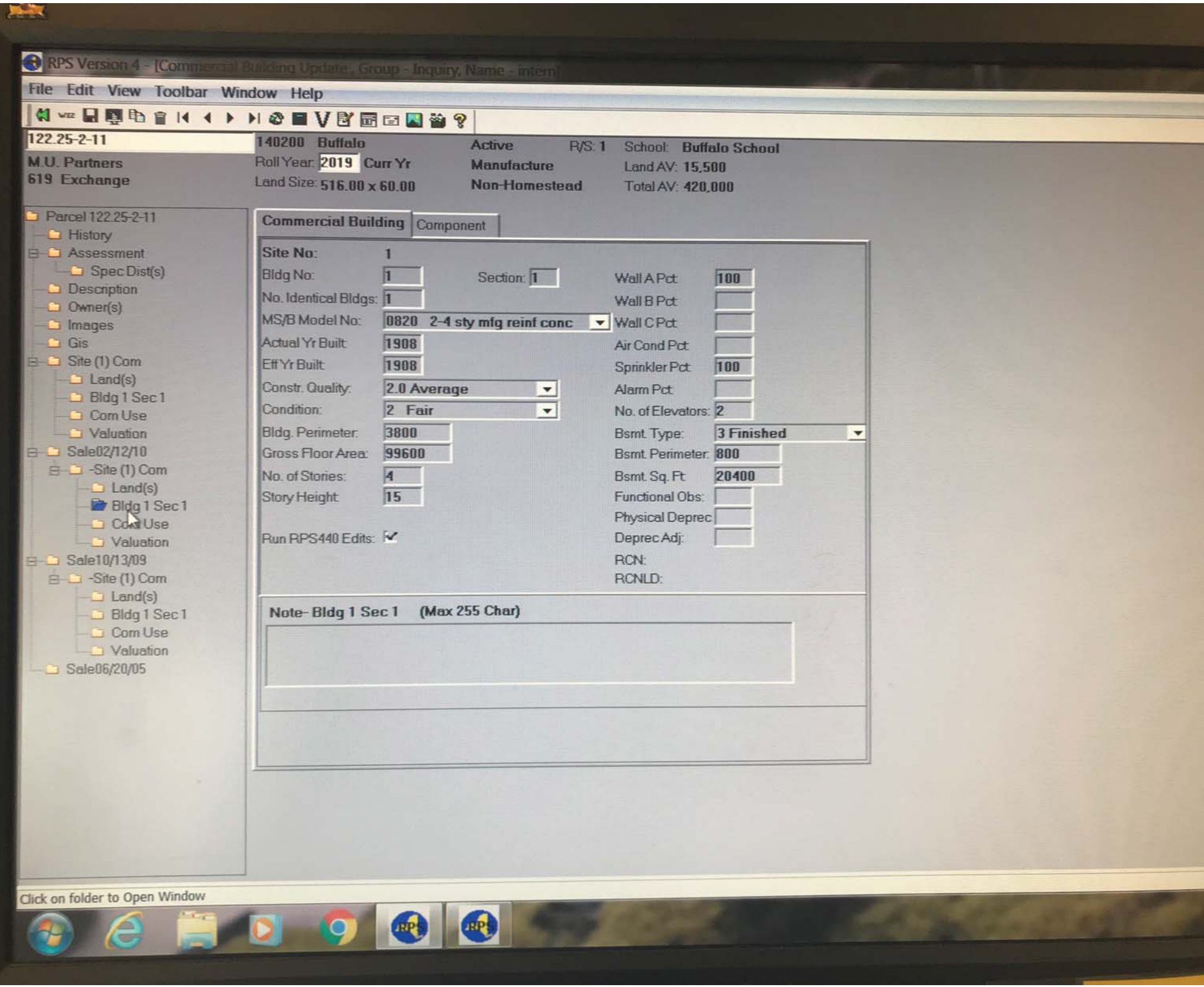

RPS Version 4 - [Commercial Use Update , Group - Inquiry, Name - intern]
File Edit View Toolbar Window Help
122.25-2-11
M.U. Partners
619 Exchange
140200 Buffalo
Roll Year: 2019 Curr Yr
Land Size: 516.00 x 60.00
Active
Manufacture
Non-Homestead
R/S: 1
School: Buffalo School
Land AV: 15,500
Total AV: 420,000
Parcel 122.25-2-11
History
Assessment
Spec Dist(s)
Description
Owner(s)
Images
Gis
Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale02/12/10
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale10/13/09
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale06/20/05
Total 2 Used As Codes: To open, click the appropriate row (Right Click to Add)
Jsed As Code
Rentable SQFT
No of Units
Unit Description
Total Rent
F05 Row storage 39,600 1 01
F09 Light mfg 60,000 1 01
Site No: 1 Use No: 2
Used As Code: F05 Row storage
Valuation Dist: 4
Rentable Sqft: 39,600
Unit Code Desc: 01
No of Units: 1
Lease Begin:
Lease Length: yrs
Total Eff / 1 Bed Sqft:
No of Units:
Annual Rent/Unit:
Total 2 Bedroom Sqft:
No of Units:
Annual Rent/Unit:
Total 3 Bedroom Sqft:
No of Units:
Annual Rent/Unit:
Click on folder to Open Window

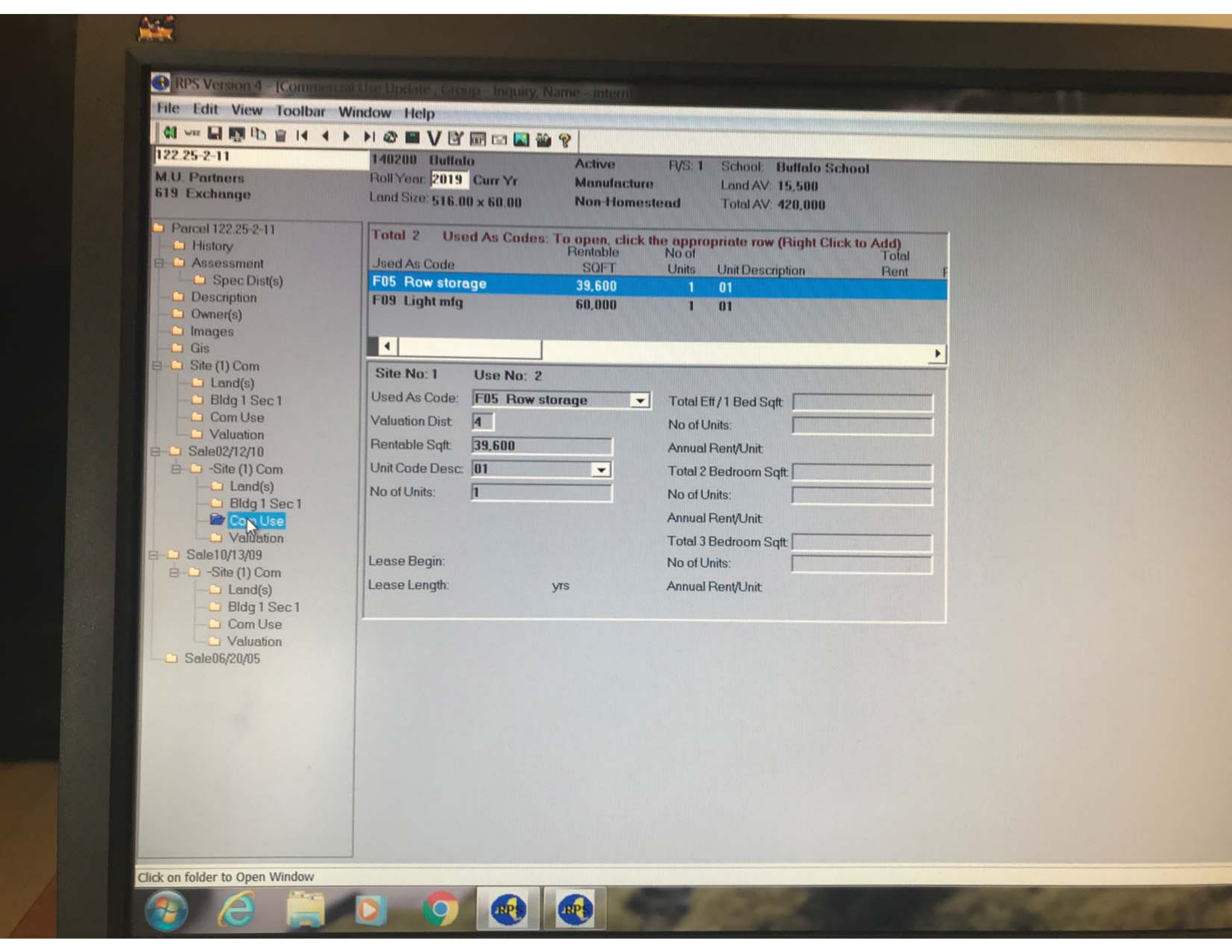

RPS Version 4 - [Commercial Use Update , Group - Inquiry, Name - intern]
File Edit View Toolbar Window Help
122.25-2-11
M.U. Partners
619 Exchange
140200 Buffalo
Roll Year: 2019 Curr Yr
Land Size: 516.00 x 60.00
Active
Manufacture
Non-Homestead
R/S: 1
School: Buffalo School
Land AV: 15,500
Total AV: 420,000
Parcel 122.25-2-11
History
Assessment
Spec Dist(s)
Description
Owner(s)
Images
Gis
Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale02/12/10
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale10/13/09
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale06/20/05
Total 2 Used As Codes: To open, click the appropriate row (Right Click to Add)
Jsed As Code
Rentable SQFT
No of Units
Unit Description
Total Rent
F05 Row storage 39,600 1 01
F09 Light mfg 60,000 1 01
Site No: 1 Use No: 1
Used As Code: F09 Light mfg
Valuation Dist: 4
Rentable Sqft: 60,000
Unit Code Desc: 01
No of Units: 1
Lease Begin:
Lease Length: yrs
Total Eff / 1 Bed Sqft:
No of Units:
Annual Rent/Unit:
Total 2 Bedroom Sqft:
No of Units:
Annual Rent/Unit:
Total 3 Bedroom Sqft:
No of Units:
Annual Rent/Unit:
Click on folder to Open Window

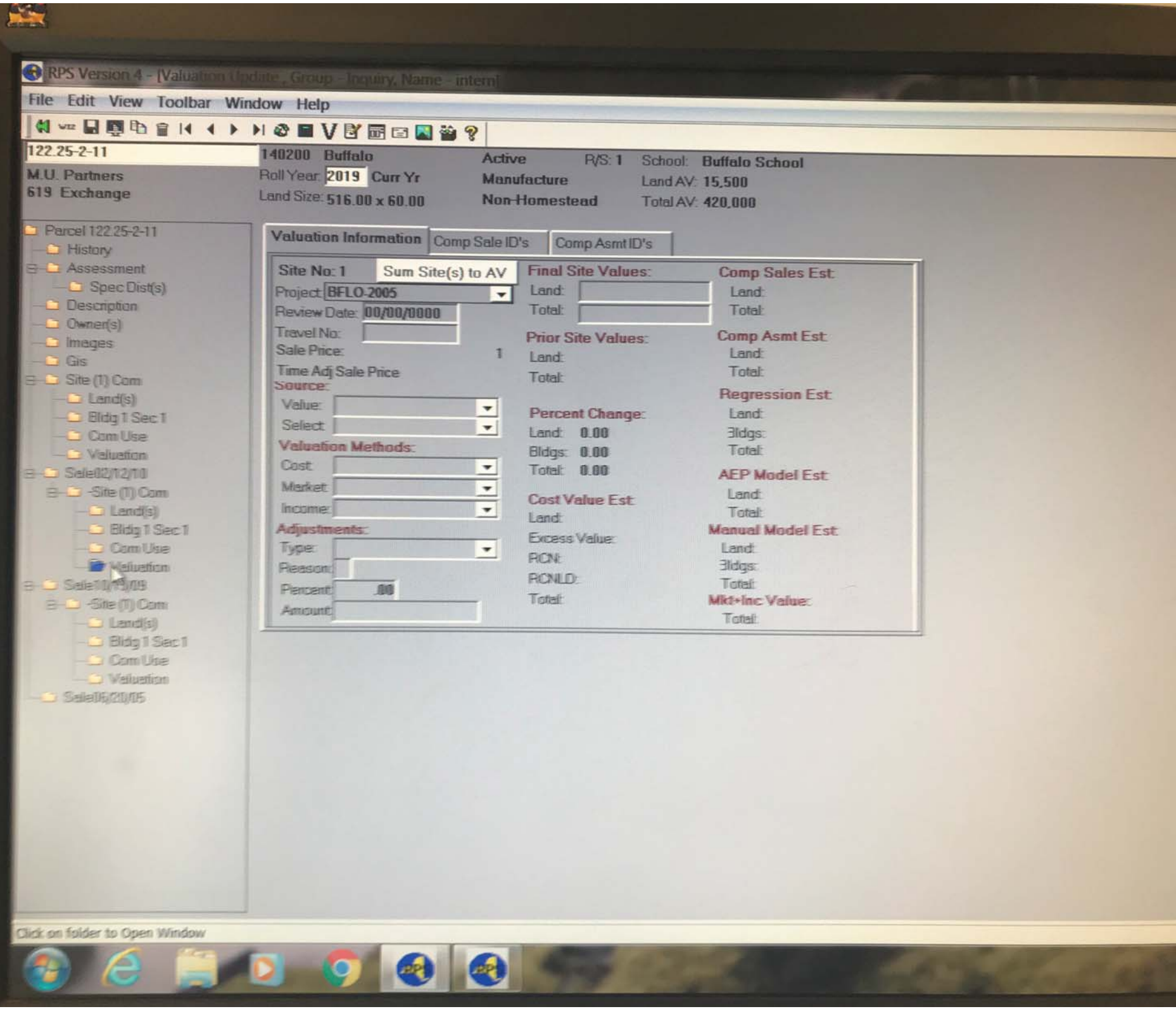

RPS Version 4 - [Sale Update, Group - Inquiry, Name - intern]
File Edit View Toolbar Window Help
122.25-2-11
M.U. Partners
619 Exchange
140200 Buffalo
Roll Year: 2019 Curr Yr
Land Size: 516.00 x 60.00
Active
Manufacture
Non-Homestead
R/S: 1
School: Buffalo School
Land AV: 15,500
Total AV: 420,000
Parcel 122.25-2-11
History
Assessment
Spec Dist(s)
Description
Owner(s)
Images
Gis
Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale02/12/10
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale10/13/09
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale06/20/05
Sale
Additional Sales Info /Attorney Info
Owner(s)
Condition Codes: BCE
View Cond Codes
Deed Date: 02/12/2010
Deed Book: 11177
Deed Page: 9455
Contract Date: 00/00/0000
Sale Date: 02/12/2010
Date Last Phy Insp: 00/00/0000
Full Sale Price: 1
Personal Prop:
Net Sale Price: 1
Valuation Usable:
No. Parcels: 1 OR Part of a Parcel:
Sale Type: 3 Land & Building
Deed Type: Q Quit Claim
Sales Status: T Transmitted
Corrections Data
Verify: D Transfer Rcrd
Condition Code
Sale Date
Sale Price or Personal Property
Rar Excluded: Not Residential
Cod Excluded: Yes
Arms Length: No
Current Owner(s): Sale Date:
M.U. Partners 02/12/2010
Prior Owners:
Last Name: First Name: MI: Jr,Sr,ect
M. U. Partners, LL
Click on folder to Open Window

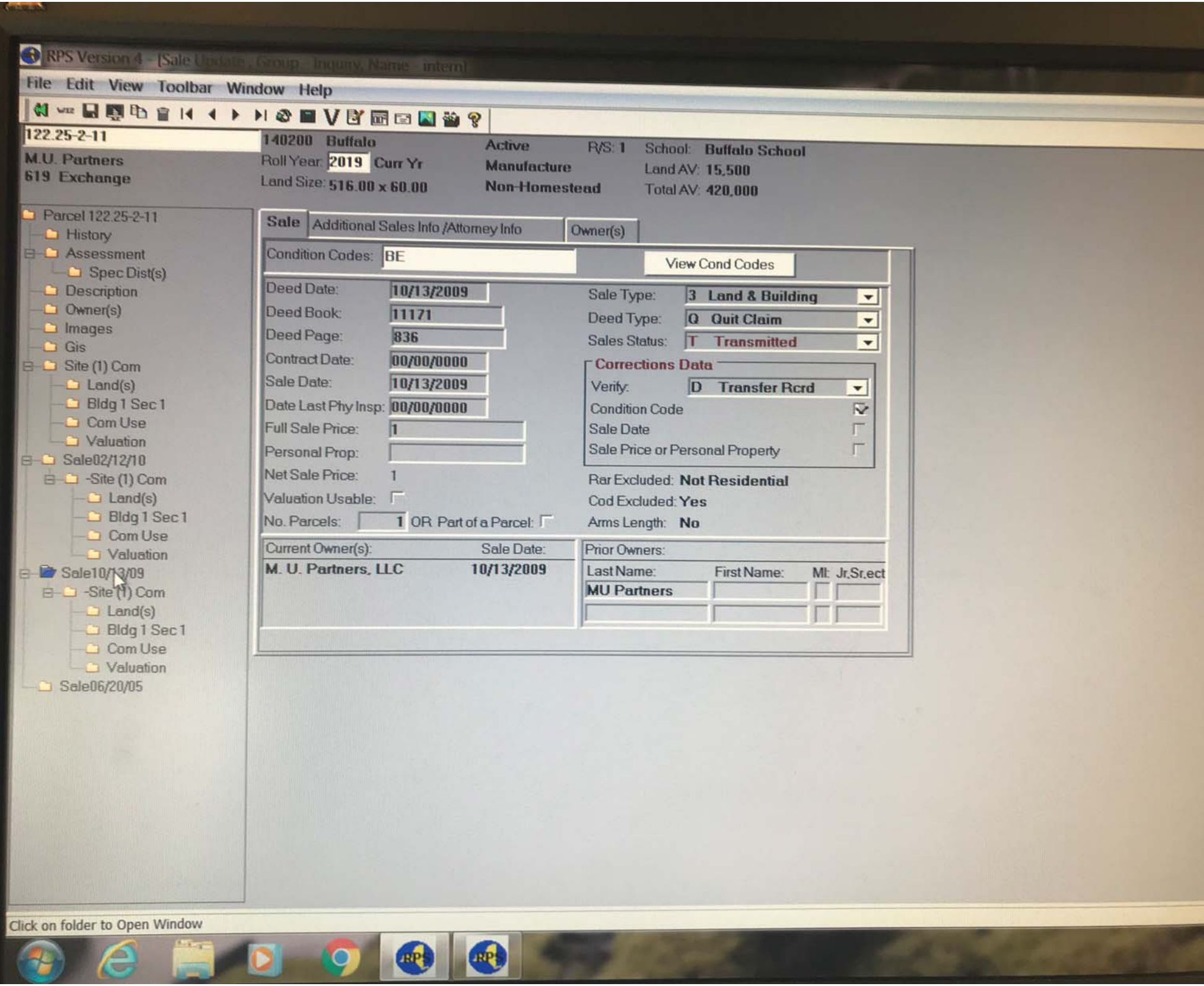

RPS Version 4 - [Commercial Site Update , Group - Inquiry, Name - intern]
File Edit View Toolbar Window Help
122.25-2-11
M.U. Partners
619 Exchange
140200 Buffalo
Roll Year: 2019 Curr Yr
Land Size: 516.00 x 60.00
Active
Manufacture
Non-Homestead
R/S: 1
School: Buffalo School
Land AV: 15,500
Total AV: 420,000
Parcel 122.25-2-11
History
Assessment
Spec Dist(s)
Description
Owner(s)
Images
Gis
Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale02/12/10
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale10/13/09
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale06/20/05
Site No: 1
Com
Property Class: 710 Manufacture
Used - As Cd: F09 Light mfg
Route No: 000001322
Nbhd Code: 4300
Valuation Dist: 4
Sewer Type: 3 Comm/public
Water Supply: 3 Comm/public
Utilities: 4 Gas & elec
Overall Desire: 3 Normal
Overall Cond: 2 Fair
Overall Grade: C Average
DC Entry Type:
Zoning Code:
Run RPS440 Edits:
Overall Eff Yr Blt: 1908
Laser Disk No:
Data Mailer:
Date of Reappraisal: 12/01/2005
Economic Obs:
Site Values
Replacement Cost (RCN): 0
RCN Less Depreciation: 0
Cost Land Estimate: 0
Cost Total Estimate: 0
Total Estimate: 0
Excess Value: 0
Final Site Land: 0
Final Site Total: 0
Click on folder to Open Window

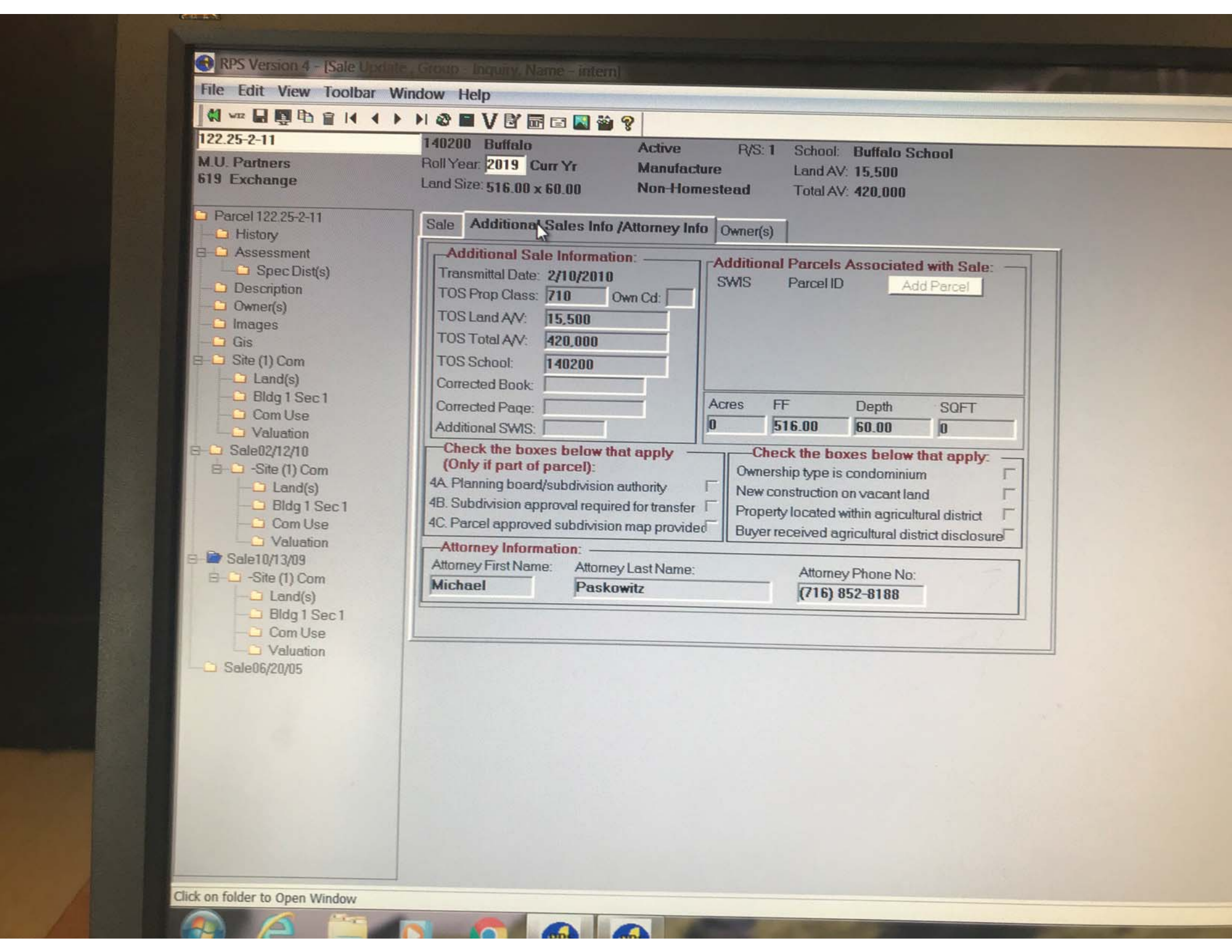

RPS Version 4 - [Land Update - Group - Inquiry, Name - interm]
File Edit View Toolbar Window Help
122.25-2-11
M.U. Partners
619 Exchange
140200 Buffalo
Roll Year: 2019 Curr Yr
Land Size: 516.00 x 60.00
Active
Manufacture
Non-Homestead
R/S: 1
School: Buffalo School
Land AV: 15,500
Total AV: 420,000
Parcel 122.25-2-11
History
Assessment
Spec Dist(s)
Description
Owner(s)
Images
Gis
Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale02/12/10
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale10/13/09
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale06/20/05
Total 1 Land Types: To open, click the appropriate row (Right Click to Add)
Land type Acres Front Depth SQFT Soil Rating
Primary 0 0 0 31,080
Site No: 1
Land Type: 01 Primary
Front: .00
Depth: .00
Acres: .00
Sqft: 31,080
Soil Rating:
Waterfront Type:
Depth Factor:
Infl Pct:
Infl Code1:
Infl Code2:
Infl Code3:
Land Value:
Unit Price: 0.000
Click on folder to Open Window

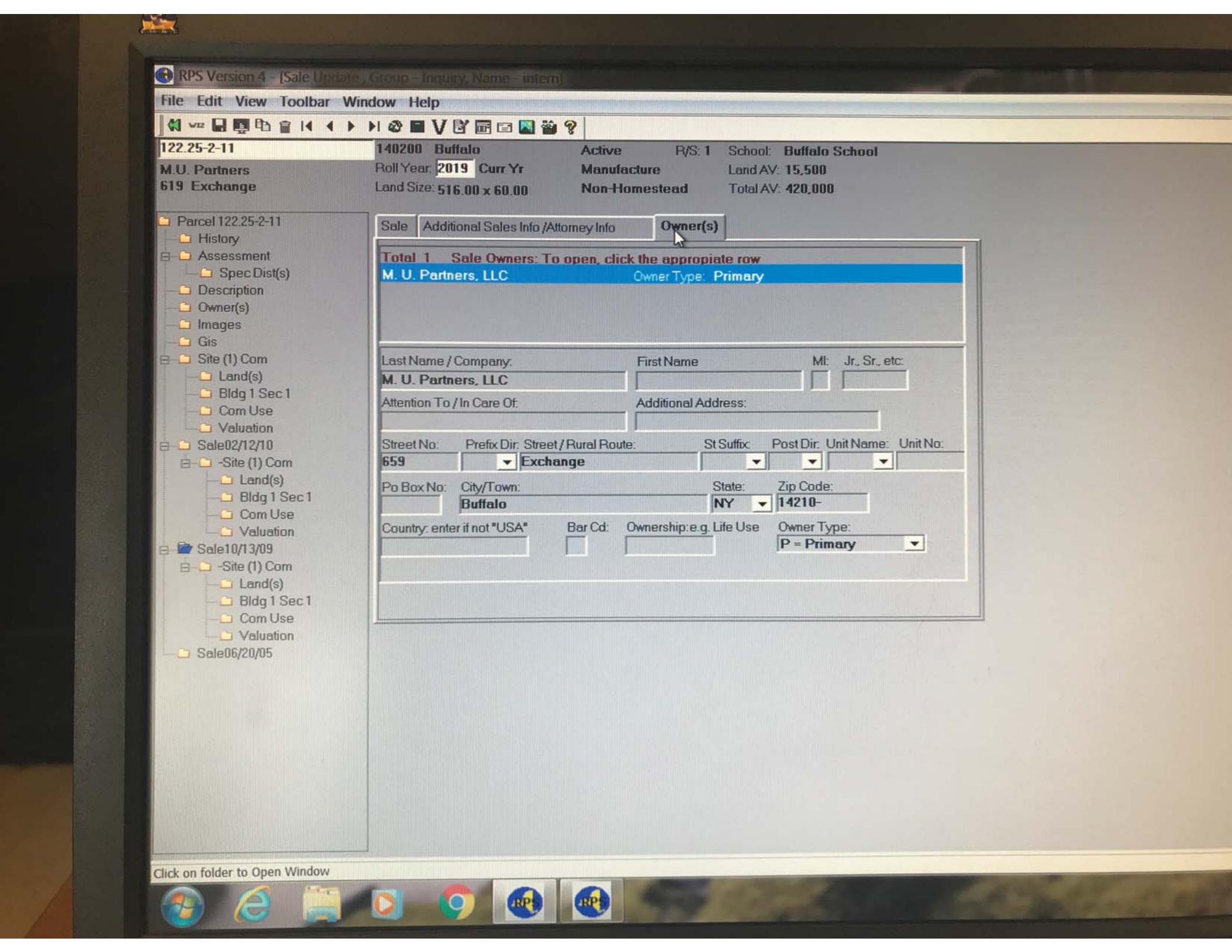

RPS Version 4 - [Commercial Building Update, Group - Inquiry, Name - intern]
File Edit View Toolbar Window Help
122.25-2-11
140200 Buffalo
Active
R/S: 1
School: Buffalo School
M.U. Partners
619 Exchange
Roll Year: 2019 Curr Yr
Manufacture
Land AV: 15,500
Land Size: 516.00 x 60.00
Non-Homestead
Total AV: 420,000
Parcel 122.25-2-11
History
Assessment
Spec Dist(s)
Description
Owner(s)
Images
Gis
Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale02/12/10
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale10/13/09
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale06/20/05
Commercial Building
Component
Site No: 1
Bldg No: 1
Section: 1
No. Identical Bldgs: 1
MS/B Model No: 0820 2-4 sty mfg reinf conc
Actual Yr Built: 1908
Eff Yr Built: 1908
Constr. Quality: 2.0 Average
Condition: 2 Fair
Bldg. Perimeter: 3800
Gross Floor Area: 99600
No. of Stories: 4
Story Height: 15
Run RPS440 Edits:
Wall A Pct: 100
Wall B Pct:
Wall C Pct:
Air Cond Pct:
Sprinkler Pct: 100
Alarm Pct:
No. of Elevators: 2
Bsmt. Type: 3 Finished
Bsmt. Perimeter: 800
Bsmt. Sq. Ft: 20400
Functional Obs:
Physical Deprec:
Deprec Adj:
RCN:
RCNLD:
Note- Bldg 1 Sec 1 (Max 255 Char)
Click on folder to Open Window

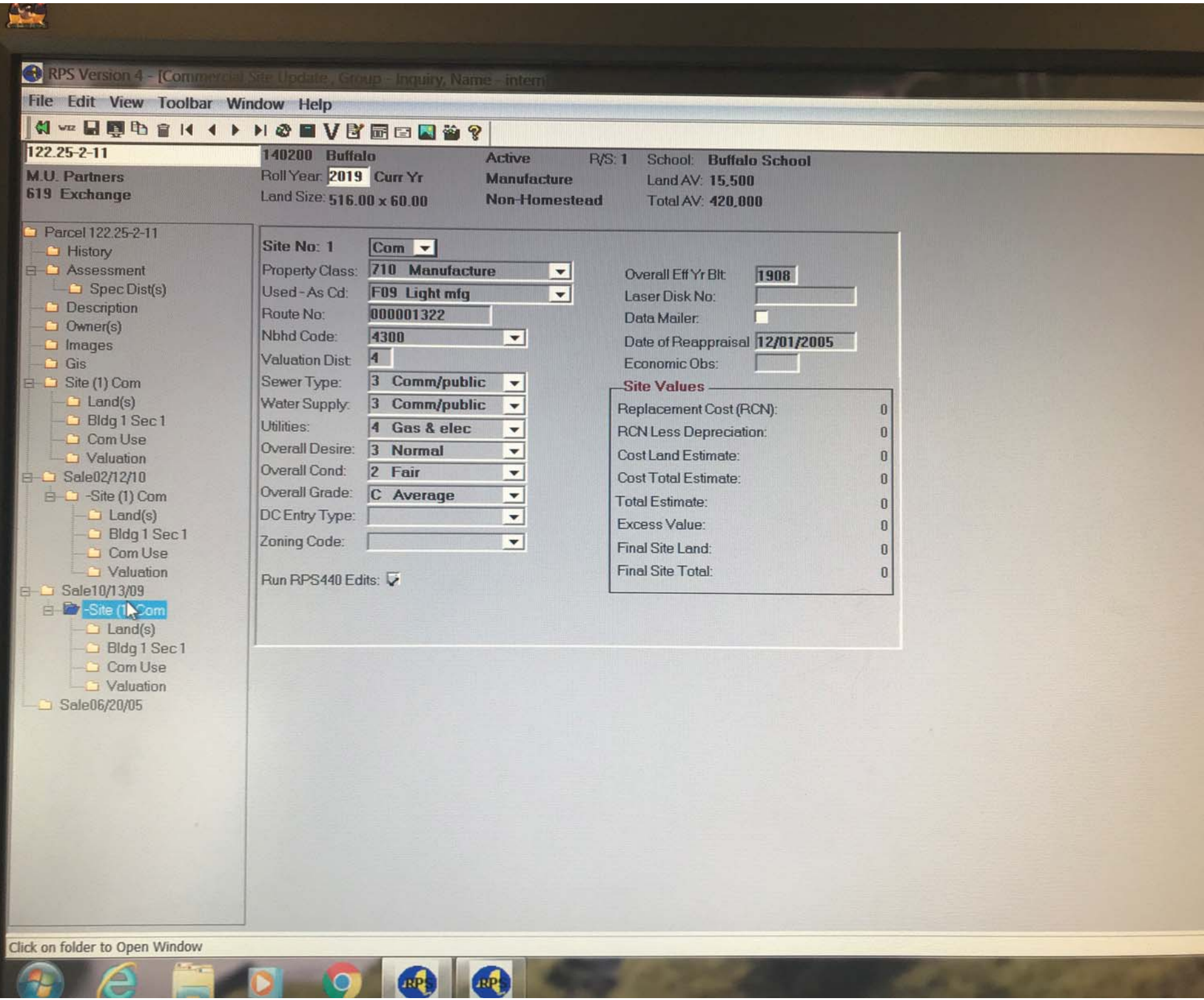

RPS Version 4 - [Commercial Use Update , Group - Inquiry, Name - intern]
File Edit View Toolbar Window Help
122.25-2-11
M.U. Partners
619 Exchange
140200 Buffalo
Roll Year: 2019 Curr Yr
Land Size: 516.00 x 60.00
Active
Manufacture
Non-Homestead
R/S: 1
School: Buffalo School
Land AV: 15,500
Total AV: 420,000
Parcel 122.25-2-11
History
Assessment
Spec Dist(s)
Description
Owner(s)
Images
Gis
Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale02/12/10
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale10/13/09
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale06/20/05
Total 2 Used As Codes: To open, click the appropriate row (Right Click to Add)
Jsed As Code
Rentable SQFT
No of Units
Unit Description
Total Rent
F05 Row storage 39,600 1 01
F09 Light mfg 60,000 1 01
Site No: 1 Use No: 2
Used As Code: F05 Row storage
Valuation Dist: 4
Rentable Sqft: 39,600
Unit Code Desc: 01
No of Units: 1
Lease Begin:
Lease Length: yrs
Total Eff / 1 Bed Sqft:
No of Units:
Annual Rent/Unit:
Total 2 Bedroom Sqft:
No of Units:
Annual Rent/Unit:
Total 3 Bedroom Sqft:
No of Units:
Annual Rent/Unit:
Click on folder to Open Window

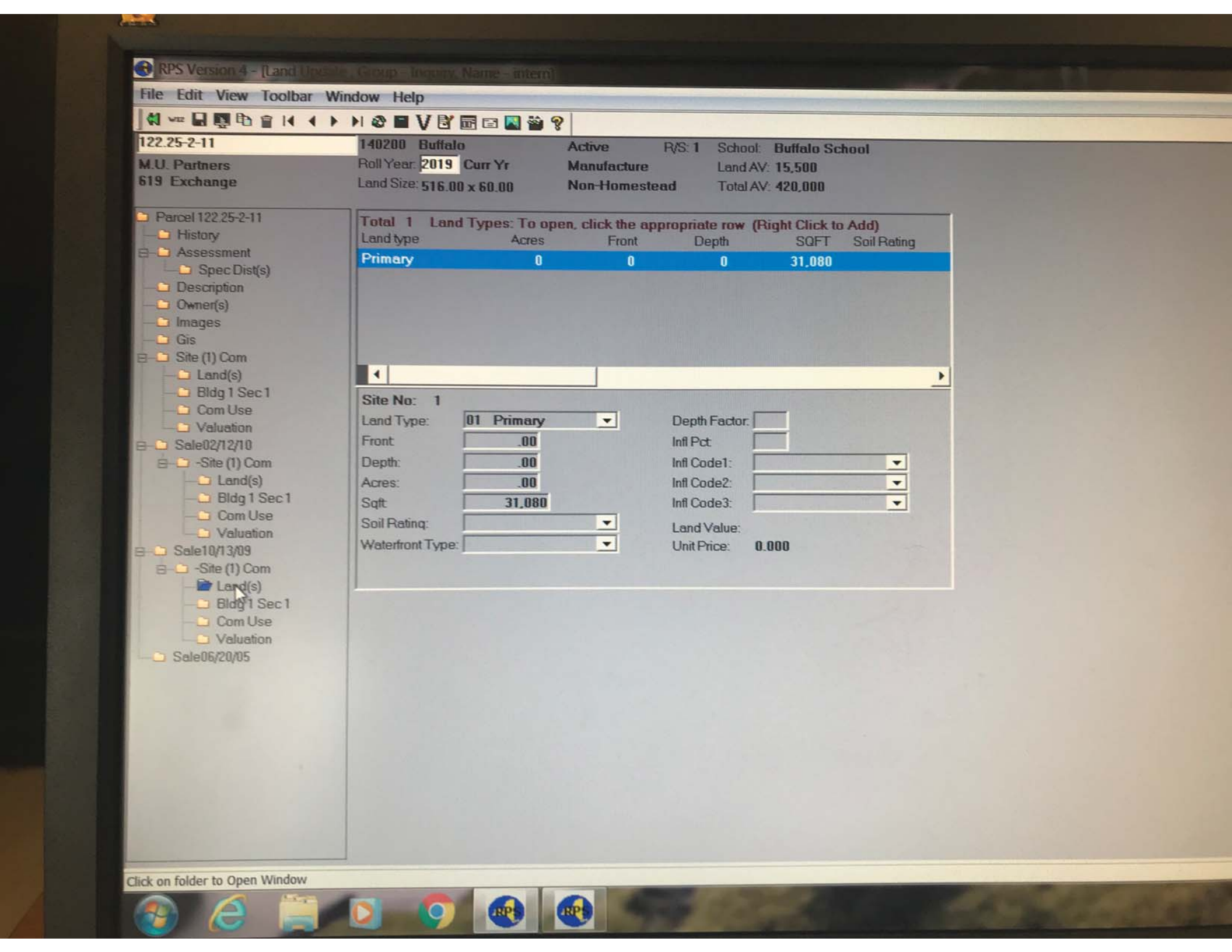

RPS Version 4 - [Valuation Update , Group - Inquiry, Name - intern]
File Edit View Toolbar Window Help
122.25-2-11
140200 Buffalo
Active
R/S: 1
School: Buffalo School
M.U. Partners
619 Exchange
Roll Year: 2019 Curr Yr
Manufacture
Land AV: 15,500
Land Size: 516.00 x 60.00
Non-Homestead
Total AV: 420,000
Parcel 122.25-2-11
History
Assessment
Spec Dist(s)
Description
Owner(s)
Images
Gis
Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale02/12/10
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale11/13/09
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale05/20/05
Valuation Information
Comp Sale ID's
Comp Asmt ID's
Site No: 1
Sum Site(s) to AV
Project: BFLO-2005
Review Date: 00/00/0000
Travel No:
Sale Price:
1
Time Adj Sale Price
Source:
Value:
Select:
Valuation Methods:
Cost:
Market:
Income:
Adjustments:
Type:
Reason:
Percent:
.00
Amount:
Final Site Values:
Land:
Total:
Prior Site Values:
Land:
Total:
Percent Change:
Land: 0.00
Bldgs: 0.00
Total: 0.00
Cost Value Est:
Land:
Excess Value:
RCN:
RCNLD:
Total:
Comp Sales Est:
Land:
Total:
Comp Asmt Est:
Land:
Total:
Regression Est:
Land:
Bldgs:
Total:
AEP Model Est:
Land:
Total:
Manual Model Est:
Land:
Bldgs:
Total:
Mkt+Inc Value:
Total:
Click on folder to Open Window

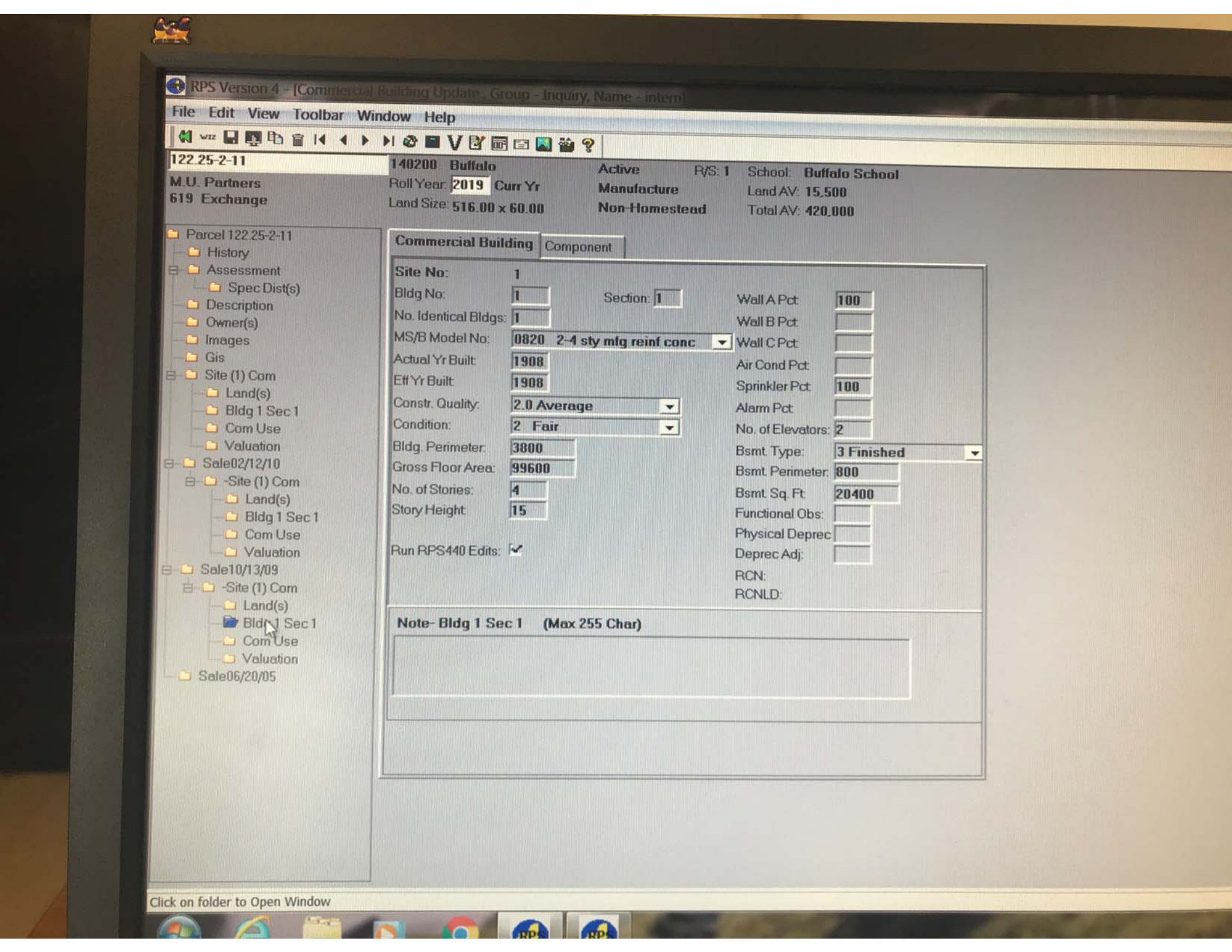

RPS Version 4 - [Sale Update, Group , Inquiry, Name , intern]
File Edit View Toolbar Window Help
122.25-2-11
140200 Buffalo
Active
R/S: 1
School: Buffalo School
M.U. Partners
619 Exchange
Roll Year: 2019 Curr Yr
Manufacture
Land AV: 15,500
Land Size: 516.00 x 60.00
Non-Homestead
Total AV: 420,000
Parcel 122.25-2-11
History
Assessment
Spec Dist(s)
Description
Owner(s)
Images
Gis
Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale02/12/10
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale10/13/09
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale06/20/05
Sale
Additional Sales Info /Attorney Info
Owner(s)
Condition Codes: BE
View Cond Codes
Deed Date: 10/13/2009
Deed Book: 11171
Deed Page: 836
Contract Date: 00/00/0000
Sale Date: 10/13/2009
Date Last Phy Insp: 00/00/0000
Full Sale Price: 1
Personal Prop:
Net Sale Price: 1
Valuation Usable:
No. Parcels: 1 OR Part of a Parcel:
Sale Type: 3 Land & Building
Deed Type: Q Quit Claim
Sales Status: T Transmitted
Corrections Data
Verify: D Transfer Rcrd
Condition Code
Sale Date
Sale Price or Personal Property
Rar Excluded: Not Residential
Cod Excluded: Yes
Arms Length: No
Current Owner(s): Sale Date:
M. U. Partners, LLC 10/13/2009
Prior Owners:
Last Name: First Name: MI: Jr,Sr,ect
MU Partners
Click on folder to Open Window

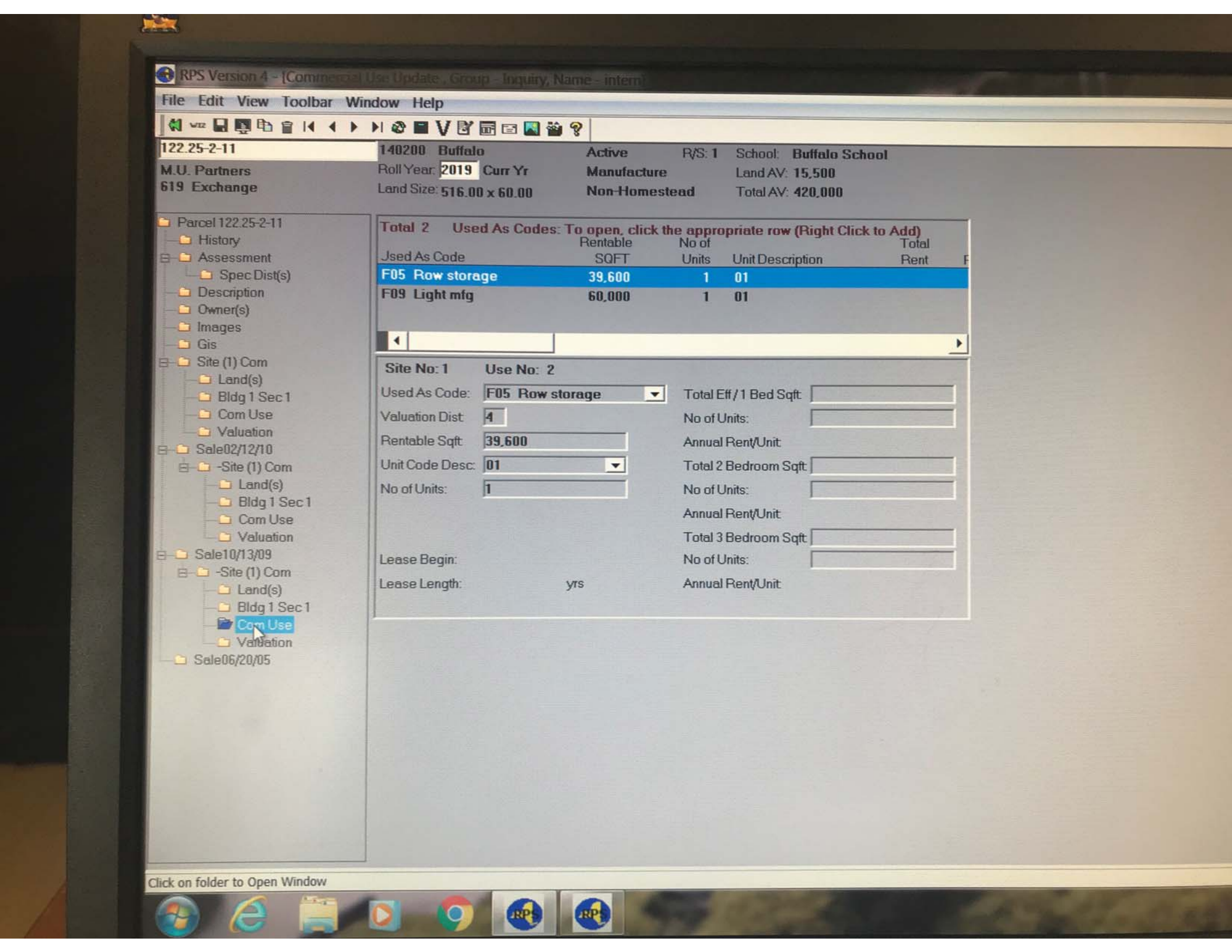

RPS Version 4 - [Sale Update, Group - Inquiry, Name - intern]
File Edit View Toolbar Window Help
122.25-2-11
140200 Buffalo
Active
R/S: 1
School: Buffalo School
M.U. Partners
619 Exchange
Roll Year: 2019 Curr Yr
Manufacture
Land AV: 15,500
Land Size: 516.00 x 60.00
Non-Homestead
Total AV: 420,000
Parcel 122.25-2-11
History
Assessment
Spec Dist(s)
Description
Owner(s)
Images
Gis
Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale02/12/10
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale10/13/09
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale06/20/05
Sale
Additional Sales Info /Attorney Info
Owner(s)
Additional Sale Information:
Transmittal Date: 2/10/2010
TOS Prop Class: 710
Own Cd:
TOS Land A/V: 15,500
TOS Total A/V: 420,000
TOS School: 140200
Corrected Book:
Corrected Page:
Additional SWIS:
Additional Parcels Associated with Sale:
SWIS
Parcel ID
Add Parcel
Acres
FF
Depth
SQFT
0
516.00
60.00
0
Check the boxes below that apply (Only if part of parcel):
4A. Planning board/subdivision authority
4B. Subdivision approval required for transfer
4C. Parcel approved subdivision map provided
Check the boxes below that apply:
Ownership type is condominium
New construction on vacant land
Property located within agricultural district
Buyer received agricultural district disclosure
Attorney Information:
Attorney First Name:
Michael
Attorney Last Name:
Paskowitz
Attorney Phone No:
(716) 852-8188
Click on folder to Open Window

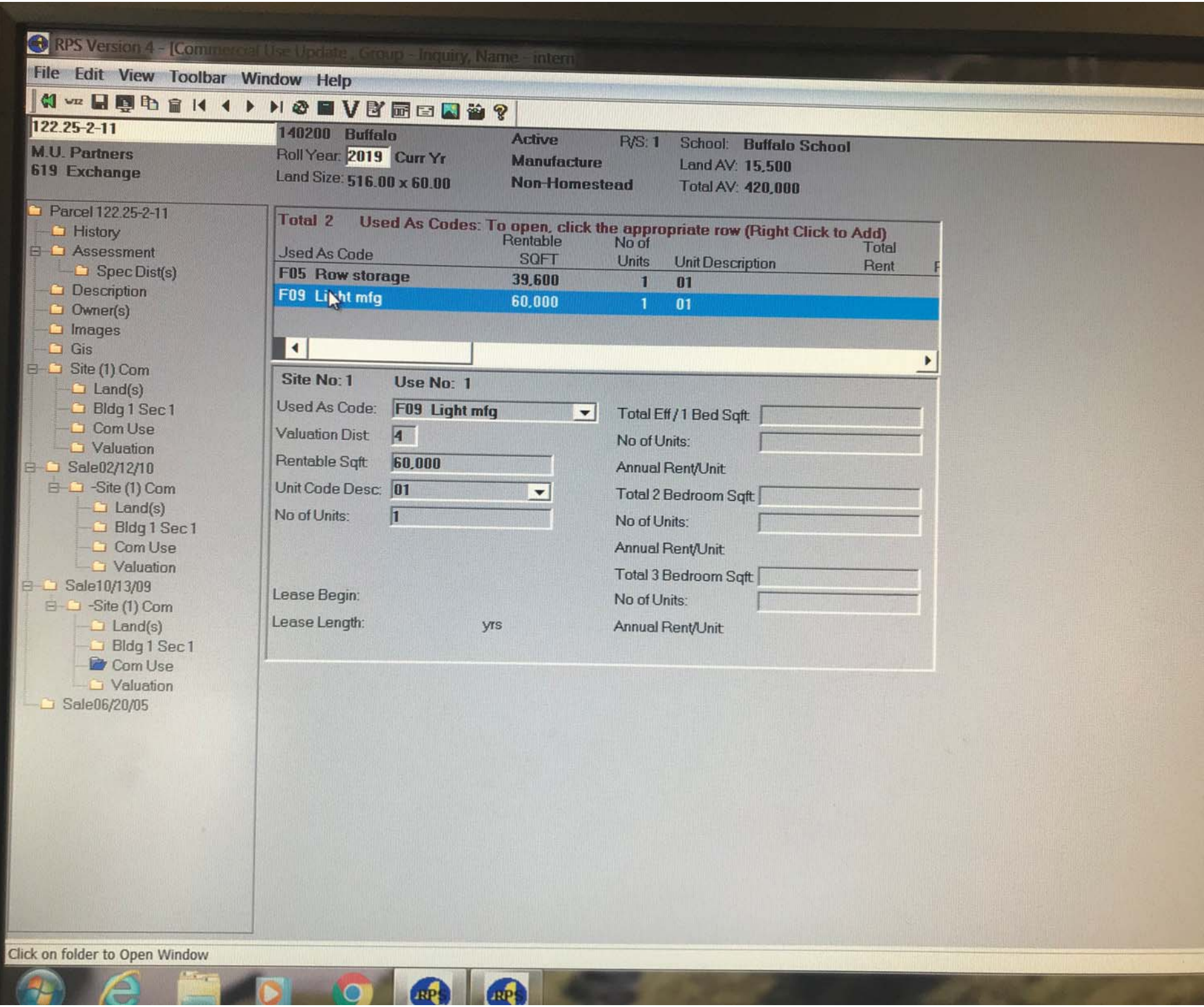

RPS Version 4 - [Sale Update, Group - Inquiry, Name - intern]
File Edit View Toolbar Window Help
122.25-2-11
140200 Buffalo
Active
R/S: 1
School: Buffalo School
M.U. Partners
Roll Year: 2019 Curr Yr
Manufacture
Land AV: 15,500
619 Exchange
Land Size: 516.00 x 60.00
Non-Homestead
Total AV: 420,000
Parcel 122.25-2-11
History
Assessment
Spec Dist(s)
Description
Owner(s)
Images
Gis
Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale02/12/10
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale10/13/09
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale06/20/05
Sale
Additional Sales Info /Attorney Info
Owner(s)
Total 1 Sale Owners: To open, click the appropiate row
M. U. Partners, LLC
Owner Type: Primary
Last Name / Company:
First Name
MI:
Jr., Sr., etc:
M. U. Partners, LLC
Attention To / In Care Of:
Additional Address:
Street No:
Prefix Dir:
Street / Rural Route:
St Suffix:
Post Dir:
Unit Name:
Unit No:
659
Exchange
Po Box No:
City/Town:
State:
Zip Code:
Buffalo
NY
14210-
Country: enter if not "USA"
Bar Cd:
Ownership: e.g. Life Use
Owner Type:
P = Primary
Click on folder to Open Window

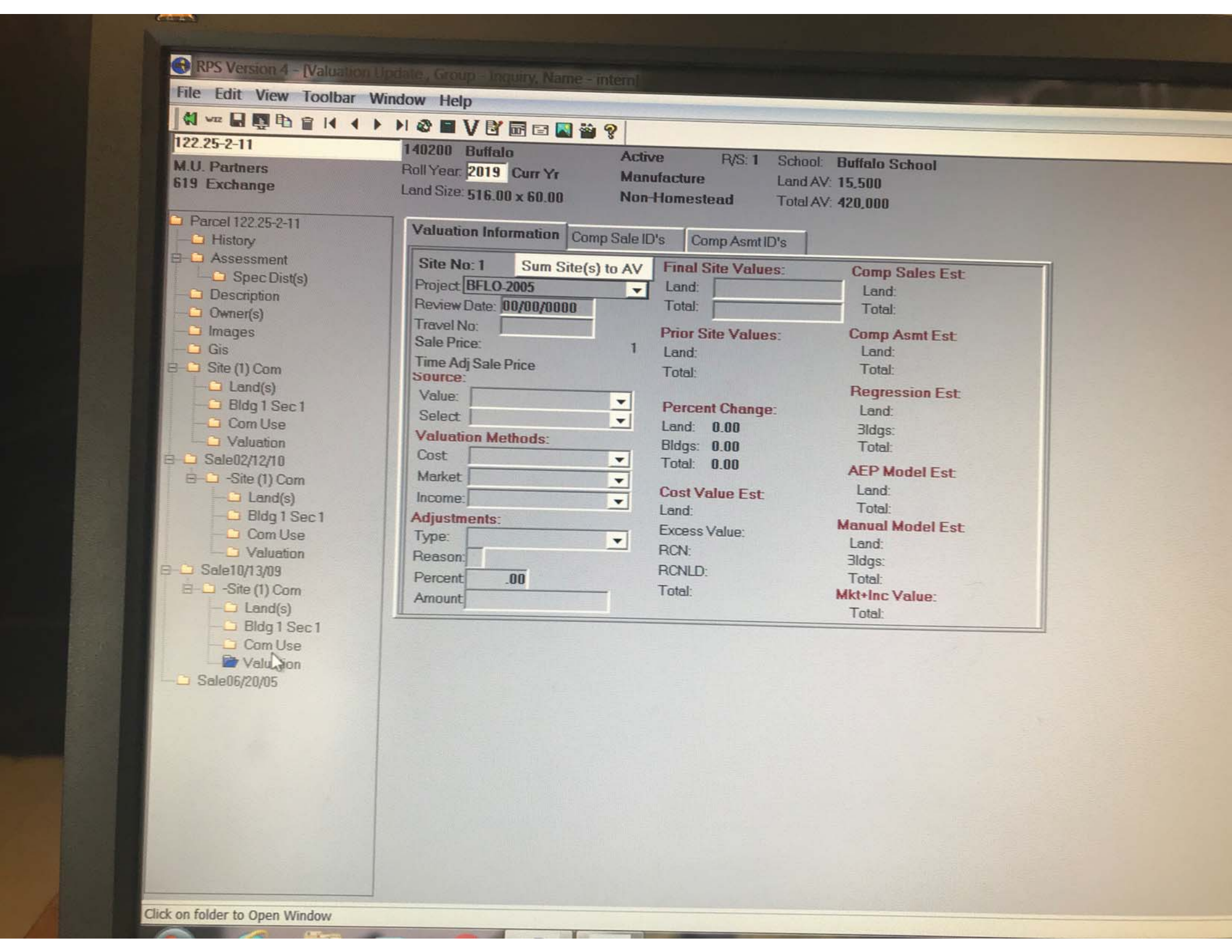

RPS Version 4 - [Commercial Site Update , Group - Inquiry, Name - intern]
File Edit View Toolbar Window Help
122.25-2-11
140200 Buffalo
Active
R/S: 1
School: Buffalo School
M.U. Partners
Roll Year: 2019 Curr Yr
Manufacture
Land AV: 15,500
619 Exchange
Land Size: 516.00 x 60.00
Non-Homestead
Total AV: 420,000
Parcel 122.25-2-11
History
Assessment
Spec Dist(s)
Description
Owner(s)
Images
Gis
Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale02/12/10
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale10/13/09
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale06/20/05
Site No: 1
Com
Property Class: 710 Manufacture
Used - As Cd: F09 Light mfg
Route No: 000001322
Nbhd Code: 4300
Valuation Dist: 4
Sewer Type: 3 Comm/public
Water Supply: 3 Comm/public
Utilities: 4 Gas & elec
Overall Desire: 3 Normal
Overall Cond: 2 Fair
Overall Grade: C Average
DC Entry Type:
Zoning Code:
Run RPS440 Edits:
Overall Eff Yr Blt: 1908
Laser Disk No:
Data Mailer:
Date of Reappraisal 12/01/2005
Economic Obs:
Site Values
Replacement Cost (RCN): 0
RCN Less Depreciation: 0
Cost Land Estimate: 0
Cost Total Estimate: 0
Total Estimate: 0
Excess Value: 0
Final Site Land: 0
Final Site Total: 0
Click on folder to Open Window

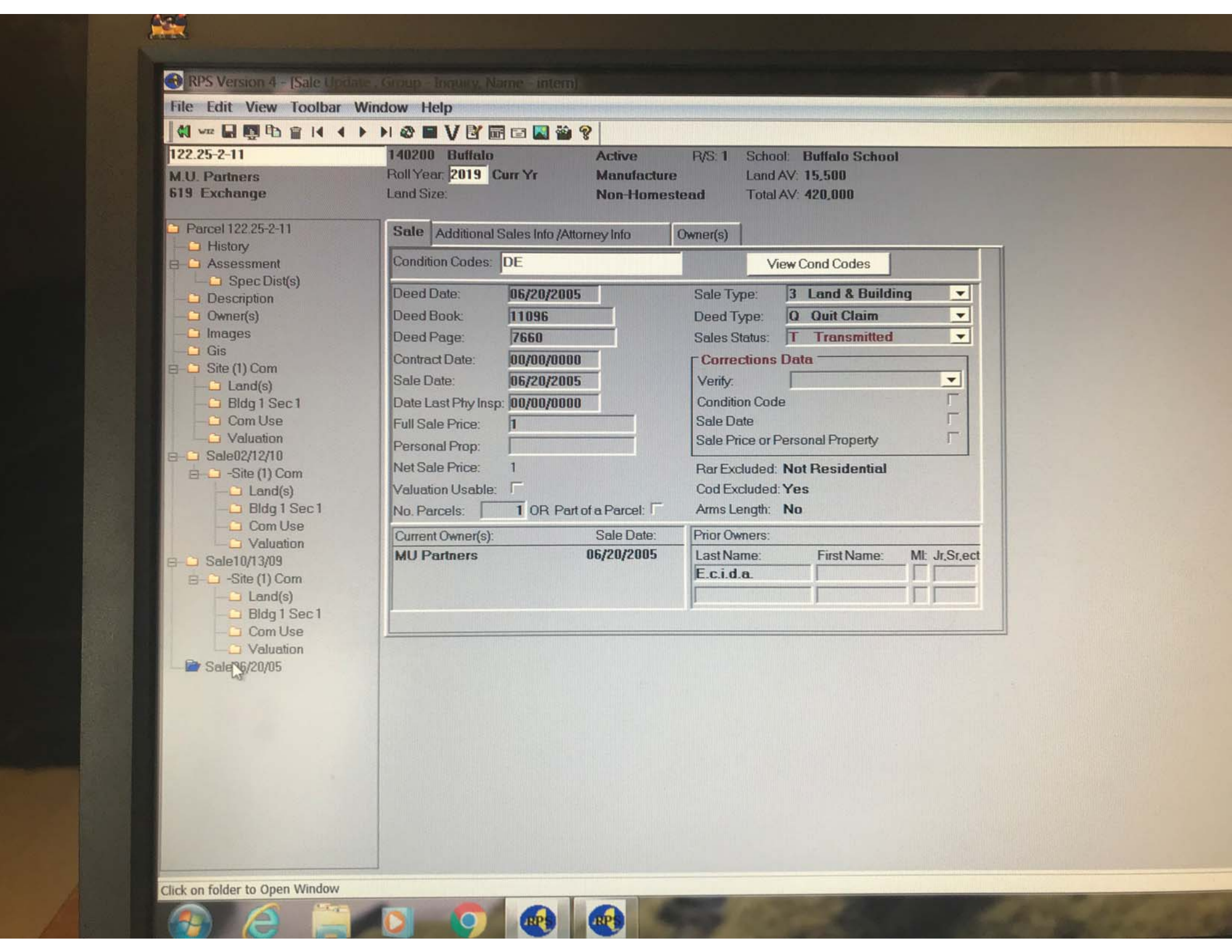

RPS Version 4 - [Land Update - Group - Inquiry Name - intern]
File Edit View Toolbar Window Help
122.25-2-11
140200 Buffalo
Active
R/S: 1
School: Buffalo School
M.U. Partners
619 Exchange
Roll Year: 2019 Curr Yr
Manufacture
Land AV: 15,500
Land Size: 516.00 x 60.00
Non-Homestead
Total AV: 420,000
Parcel 122.25-2-11
History
Assessment
Spec Dist(s)
Description
Owner(s)
Images
Gis
Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale02/12/10
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale10/13/09
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale06/20/05
Total 1 Land Types: To open, click the appropriate row (Right Click to Add)
Land type
Acres
Front
Depth
SQFT
Soil Rating
Primary
0
0
0
31,080
Site No: 1
Land Type: 01 Primary
Front: .00
Depth: .00
Acres: .00
Sqft: 31,080
Soil Rating:
Waterfront Type:
Depth Factor:
Infl Pct:
Infl Code1:
Infl Code2:
Infl Code3:
Land Value:
Unit Price: 0.000
Click on folder to Open Window

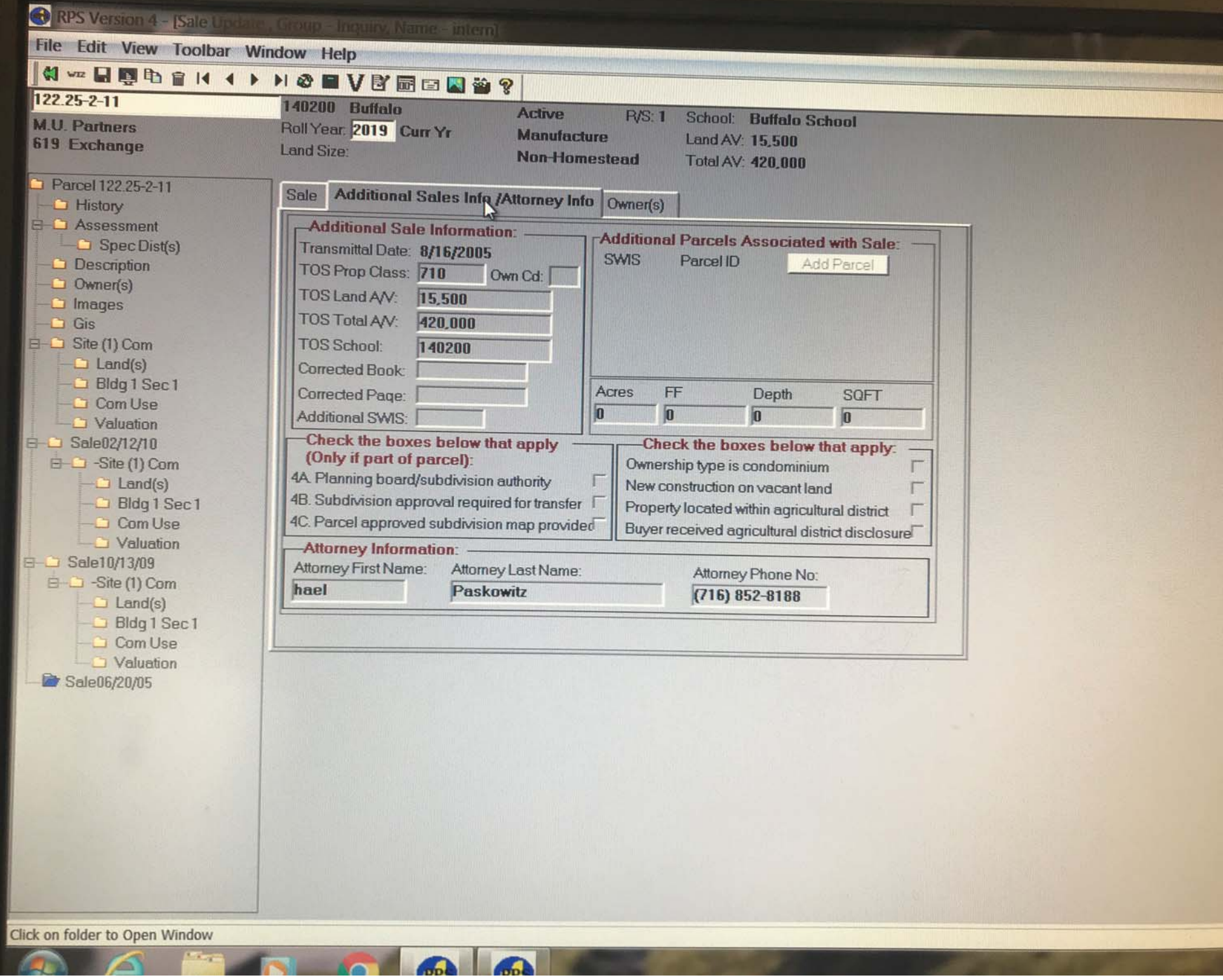

RPS Version 4 - [Commercial Building Update, Group - Inquiry, Name - intern]
File Edit View Toolbar Window Help
122.25-2-11
140200 Buffalo
Active
P/S: 1
School: Buffalo School
M.U. Partners
619 Exchange
Roll Year: 2019 Curr Yr
Land Size: 516.00 x 60.00
Manufacture
Non-Homestead
Land AV: 15,500
Total AV: 420,000
Parcel 122.25-2-11
History
Assessment
Spec Dist(s)
Description
Owner(s)
Images
Gis
Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale02/12/10
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale10/13/09
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale06/20/05
Commercial Building
Component
Site No: 1
Bldg No: 1
Section: 1
No. Identical Bldgs: 1
MS/B Model No: 0820 2-4 sty mfg reinf conc
Actual Yr Built: 1908
Eff Yr Built: 1908
Constr. Quality: 2.0 Average
Condition: 2 Fair
Bldg. Perimeter: 3800
Gross Floor Area: 99600
No. of Stories: 4
Story Height: 15
Run RPS440 Edits:
Wall A Pct: 100
Wall B Pct:
Wall C Pct:
Air Cond Pct:
Sprinkler Pct: 100
Alarm Pct:
No. of Elevators: 2
Bsmt. Type: 3 Finished
Bsmt. Perimeter: 800
Bsmt. Sq. Ft: 20400
Functional Obs:
Physical Deprec
Deprec Adj:
RCN:
RCNLD:
Note- Bldg 1 Sec 1 (Max 255 Char)
Click on folder to Open Window

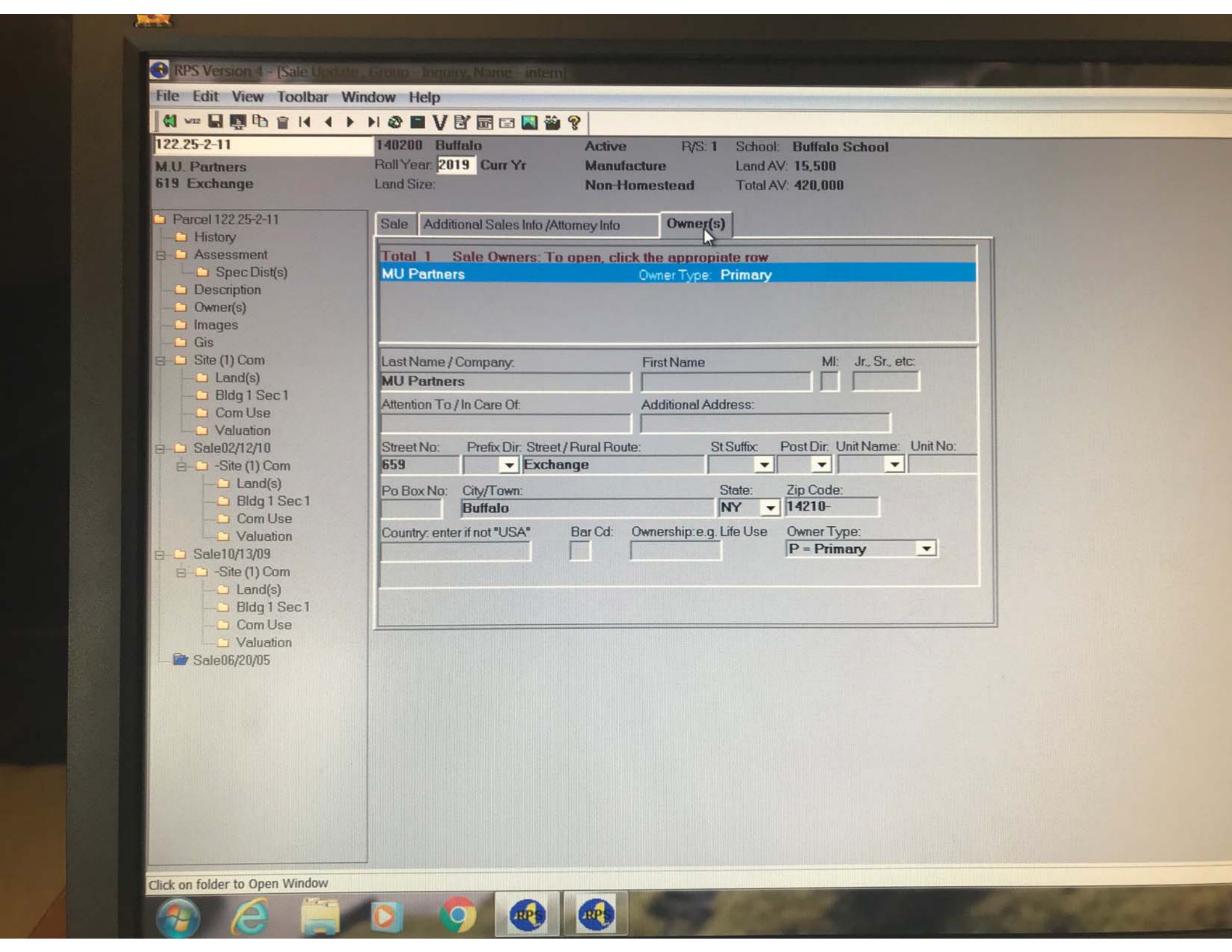

RPS Version 4 - [Commercial Use Update , Group - Inquiry, Name - intern]
File Edit View Toolbar Window Help
122.25-2-11
140200 Buffalo
Active
R/S: 1
School: Buffalo School
M.U. Partners
Roll Year: 2019 Curr Yr
Manufacture
Land AV: 15,500
619 Exchange
Land Size: 516.00 x 60.00
Non-Homestead
Total AV: 420,000
Parcel 122.25-2-11
History
Assessment
Spec Dist(s)
Description
Owner(s)
Images
Gis
Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale02/12/10
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale10/13/09
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale06/20/05
Total 2 Used As Codes: To open, click the appropriate row (Right Click to Add)
Jsed As Code
Rentable SQFT
No of Units
Unit Description
Total Rent
F05 Row storage 39,600 1 01
F09 Light mfg 60,000 1 01
Site No: 1 Use No: 2
Used As Code: F05 Row storage
Valuation Dist: 4
Rentable Sqft: 39,600
Unit Code Desc: 01
No of Units: 1
Lease Begin:
Lease Length: yrs
Total Eff / 1 Bed Sqft:
No of Units:
Annual Rent/Unit:
Total 2 Bedroom Sqft:
No of Units:
Annual Rent/Unit:
Total 3 Bedroom Sqft:
No of Units:
Annual Rent/Unit:
Click on folder to Open Window


RPS Version 4 - [Commercial Use Update , Group - Inquiry, Name - intern
File Edit View Toolbar Window Help
122.25-2-11
M.U. Partners
619 Exchange
140200 Buffalo
Roll Year: 2019 Curr Yr
Land Size: 516.00 x 60.00
Active
Manufacture
Non-Homestead
R/S: 1
School: Buffalo School
Land AV: 15,500
Total AV: 420,000
Parcel 122.25-2-11
History
Assessment
Spec Dist(s)
Description
Owner(s)
Images
Gis
Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale02/12/10
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale10/13/09
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale06/20/05
Total 2 Used As Codes: To open, click the appropriate row (Right Click to Add)
Jsed As Code
Rentable SQFT
No of Units
Unit Description
Total Rent
F05 Row storage 39,600 1 01
F09 Light mfg 60,000 1 01
Site No: 1 Use No: 1
Used As Code: F09 Light mfg
Valuation Dist: 4
Rentable Sqft: 60,000
Unit Code Desc: 01
No of Units: 1
Lease Begin:
Lease Length: yrs
Total Eff / 1 Bed Sqft:
No of Units:
Annual Rent/Unit:
Total 2 Bedroom Sqft:
No of Units:
Annual Rent/Unit:
Total 3 Bedroom Sqft:
No of Units:
Annual Rent/Unit:
Click on folder to Open Window


RPS Version 4 - [Valuation Update , Group - Inquiry, Name - intern]
File Edit View Toolbar Window Help
122.25-2-11
140200 Buffalo
Active
R/S: 1
School: Buffalo School
M.U. Partners
619 Exchange
Roll Year: 2019 Curr Yr
Manufacture
Land AV: 15,500
Land Size: 516.00 x 60.00
Non-Homestead
Total AV: 420,000
Parcel 122.25-2-11
History
Assessment
Spec Dist(s)
Description
Owner(s)
Images
Gis
Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale02/12/10
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale10/13/09
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale06/20/05
Valuation Information
Comp Sale ID's
Comp Asmt ID's
Site No: 1
Sum Site(s) to AV
Project: BFLO-2005
Review Date: 00/00/0000
Travel No:
Sale Price:
1
Time Adj Sale Price
Source:
Value:
Select:
Valuation Methods:
Cost:
Market:
Income:
Adjustments:
Type:
Reason:
Percent: .00
Amount:
Final Site Values:
Land:
Total:
Prior Site Values:
Land:
Total:
Percent Change:
Land: 0.00
Bldgs: 0.00
Total: 0.00
Cost Value Est:
Land:
Excess Value:
RCN:
RCNLD:
Total:
Comp Sales Est:
Land:
Total:
Comp Asmt Est:
Land:
Total:
Regression Est:
Land:
Bldgs:
Total:
AEP Model Est:
Land:
Total:
Manual Model Est:
Land:
Bldgs:
Total:
Mkt+Inc Value:
Total:
Click on folder to Open Window


RPS Version 4 - [Sale Update , Group - Inquiry, Name - intern]
File Edit View Toolbar Window Help
122.25-2-11
140200 Buffalo
Active
R/S: 1
School: Buffalo School
M.U. Partners
Roll Year: 2019 Curr Yr
Manufacture
Land AV: 15,500
619 Exchange
Land Size:
Non-Homestead
Total AV: 420,000
Parcel 122.25-2-11
History
Assessment
Spec Dist(s)
Description
Owner(s)
Images
Gis
Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale02/12/10
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale10/13/09
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale06/20/05
Sale
Additional Sales Info /Attorney Info
Owner(s)
Condition Codes: DE
View Cond Codes
Deed Date: 06/20/2005
Deed Book: 11096
Deed Page: 7660
Contract Date: 00/00/0000
Sale Date: 06/20/2005
Date Last Phy Insp: 00/00/0000
Full Sale Price: 1
Personal Prop:
Net Sale Price: 1
Valuation Usable:
No. Parcels: 1 OR Part of a Parcel:
Sale Type: 3 Land & Building
Deed Type: Q Quit Claim
Sales Status: T Transmitted
Corrections Data
Verify:
Condition Code
Sale Date
Sale Price or Personal Property
Rar Excluded: Not Residential
Cod Excluded: Yes
Arms Length: No
Current Owner(s):
Sale Date:
MU Partners
06/20/2005
Prior Owners:
Last Name:
First Name:
MI:
Jr,Sr,ect
E.c.i.d.a.
Click on folder to Open Window


RPS Version 4 - [Sale Update , Group - Inquiry, Name - intern]
File Edit View Toolbar Window Help
122.25-2-11
M.U. Partners
619 Exchange
140200 Buffalo
Roll Year: 2019 Curr Yr
Land Size:
Active
Manufacture
Non-Homestead
R/S: 1
School: Buffalo School
Land AV: 15,500
Total AV: 420,000
Parcel 122.25-2-11
History
Assessment
Spec Dist(s)
Description
Owner(s)
Images
Gis
Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale02/12/10
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale10/13/09
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale06/20/05
Sale
Additional Sales Info /Attorney Info
Owner(s)
Additional Sale Information:
Transmittal Date: 8/16/2005
TOS Prop Class: 710
Own Cd:
TOS Land A/V: 15,500
TOS Total A/V: 420,000
TOS School: 140200
Corrected Book:
Corrected Page:
Additional SWIS:
Additional Parcels Associated with Sale:
SWIS
Parcel ID
Add Parcel
Acres
FF
Depth
SQFT
0
0
0
0
Check the boxes below that apply (Only if part of parcel):
4A. Planning board/subdivision authority
4B. Subdivision approval required for transfer
4C. Parcel approved subdivision map provided
Check the boxes below that apply:
Ownership type is condominium
New construction on vacant land
Property located within agricultural district
Buyer received agricultural district disclosure
Attorney Information:
Attorney First Name:
Attorney Last Name:
Attorney Phone No:
hael
Paskowitz
(716) 852-8188
Click on folder to Open Window


RPS Version 4 - [Sale Update , Group , Inquiry, Name - intern]
File Edit View Toolbar Window Help
122.25-2-11
140200 Buffalo
Active
R/S: 1
School: Buffalo School
M.U. Partners
Roll Year: 2019 Curr Yr
Manufacture
Land AV: 15,500
619 Exchange
Land Size:
Non-Homestead
Total AV: 420,000
Parcel 122.25-2-11
History
Assessment
Spec Dist(s)
Description
Owner(s)
Images
Gis
Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale02/12/10
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale10/13/09
-Site (1) Com
Land(s)
Bldg 1 Sec 1
Com Use
Valuation
Sale06/20/05
Sale
Additional Sales Info /Attorney Info
Owner(s)
Total 1 Sale Owners: To open, click the appropiate row
MU Partners
Owner Type: Primary
Last Name / Company:
First Name
MI:
Jr., Sr., etc:
MU Partners
Attention To / In Care Of:
Additional Address:
Street No:
Prefix Dir:
Street / Rural Route:
St Suffix:
Post Dir:
Unit Name:
Unit No:
659
Exchange
Po Box No:
City/Town:
State:
Zip Code:
Buffalo
NY
14210-
Country: enter if not "USA"
Bar Cd:
Ownership:e.g. Life Use
Owner Type:
P = Primary
Click on folder to Open Window

BUFFALO, NEW YORK
FIRE DEPARTMENT

INCIDENT # 12-0196

F33
Rev. 4/94

BUREAU OF FIRE PREVENTION - FIRE RECORD

Batt. Dist.	Time	Day of Week	Month	Day	Year
B46	1353	SATURDAY	DECEMBER	03	1994

Address: EXCHANGE & LARKIN STS.

Occupants:

Owner: THERESA ORSINI

Address of Owner: 674 HIGHLAND, TONAWANDA, NY

Property Classification:

Construction:

No. of Stories:

Area of Origin: PASS COMP

Mobile	Yr.	Make	Model	License No.
YES	1987	BUICK	REGAL	EPT-168 NY

Damage: Property: $2500

Building: Contents:

Smoke Detectors: (Y) (N) Activate (Y) (N)

Officer in Charge: LT. ZULAWSKI

Member Making Report: JMW

Eng. Co. Platoon: 32 4TH

Name of Injured:

Name and Address of Killed:

STATEMENT OF INJURY

CAUSE: ARSON

BUFFALO, NEW YORK
FIRE DEPARTMENT

INCIDENT #-- 8-2772

BUREAU OF FIRE PREVENTION - FIRE RECORD

F 54
REV. 3-1-79

Batt. Dist	Time	Day of Week	Month	Day	Year
B46	1702	Monday	8	31	92

Address: EXCHANGE + LARKIN
Room or Apt. No.:
Occupant:

Owner: ANN MURPHY
Address of Owner: 64 DIRKSON - W, SENECA

Transmission of Alarm: 3-1141
Type of Situation Found: AUTO FIRE

Type of Action Taken	Eng. Co. (1st-In Dist.)	Platoon	No. Alarms	Mutual Aid
Ext.	32	3	still	YES / NO X

Property Classification	Complex	Area of Origin	Const.	Size
AUTO		INTERIOR		

Height or Floor	If Mobile	Make	Model	License No.
	86 Year	OLDSMOBILE	DELTA	EDG-984

Number Injured		Number Killed	
Civilians	Fire Service	Civilians	Fire Service

NAME AND ADDRESS OF INJURED

NAME AND ADDRESS OF KILLED

STATEMENT OF INJURY Example: Smoking in bed, playing with matches, traffic accident, unknown cause

INCIDENT #-- 10-0720

BUFFALO, NEW YORK
FIRE DEPARTMENT

BUREAU OF FIRE PREVENTION - FIRE RECORD

F 54
REV. 3-1-79

Batt. Dist	Time	Day of Week	Month	Day	Year
B46	0151	TUESDAY	NOVEMBER	10	1992

Address: EXCHANGE & LARKIN
Room or Apt. No.:
Occupant:

Owner: UNKNOWN
Address of Owner:

Transmission of Alarm: 3-1141
Type of Situation Found: AUTO FIRE

Type of Action Taken	Eng. Co. (1st-In Dist.)	Platoon	No. Alarms	Mutual Aid
EXTINGUISH	32	2ND	STILL	YES / NO X

Property Classification	Complex	Area of Origin	Const.	Size
AUTO				

Height or Floor	If Mobile	Make	Model	License No.
	1984 Year	BUICK	CENTURY	K8X-364

Number Injured		Number Killed	
Civilians	Fire Service	Civilians	Fire Service

NAME AND ADDRESS OF INJURED

NAME AND ADDRESS OF KILLED

STATEMENT OF INJURY Example: Smoking in bed, playing with matches, traffic accident, unknown cause

BUFFALO, NEW YORK
FIRE DEPARTMENT

INCIDENT #-- 02-1576

BUREAU OF FIRE PREVENTION - FIRE RECORD

F 33
REV. 3-1-70

Batt. Dist	Time	Day of Week	Month	Day	Year
B41	1926	Sunday	February	25	1990

Address	Room or Apt. No.	Occupant
Exchange, Larkin		

Owner	Address of Owner
Unknown	

Transmission of Alarm	Type of Situation Found
2-1141	Auto fire - fully involved

Type of Action Taken	Eng. Co. (1st-In Dist.)	Platoon	No. Alarms	Mutual Aid YES NO
Confine & Extinguish	32	4th		

Property Classification	Complex	Area of Origin	Const.	Size
Mobile		Pass. Compt.		

Height or Floor	If Mobile	Make	Model	License No.
	1986 Year	Ford	Tempo	EYW-645

Number Injured		Number Killed	
Civilians	Fire Service	Civilians	Fire Service

NAME AND ADDRESS OF INJURED	NAME AND ADDRESS OF KILLED

STATEMENT OF INJURY Example: Smoking in bed, playing with matches, traffic accident, unknown cause

F 33
REV. 3-1-70

BUREAU OF FIRE PREVENTION - FIRE RECORD

07-1695

Batt. Dist. 6	Time 2257	Day of Week WEDS	Month July	Day 20	Year 83
Address EXCHANGE & LARKIN		Room or Apt. No.	Occupant		
Owner UNKNOWN		Address of Owner			
Transmission of Alarm 3-1-41		Type of Situation Found AUTO FULLY INVOLVED			
Type of Action Taken EXT.	Eng. Co. (1st-In Dist.) 32	Platoon 2	No. Alarms STICK	Mutual Aid YES NO —	
Property Classification AUTO	Complex	Area of Origin INTERIOR	Const.	Size	
Height or Floor	If Mobile	Year 76	Make PLYMOUTH	Model WAGON	License No. 169 12B
Number Injured Civilians	Fire Service		Number Killed Civilians	Fire Service	
NAME AND ADDRESS OF INJURED			NAME AND ADDRESS OF KILLED		

STATEMENT OF INJURY Example: Smoking in bed, playing with matches, traffic accident, unknown cause

BUFFALO, NEW YORK

Fillmore Ave.

1753

BUREAU OF FIRE PREVENTION - FIRE RECORD

F 33
REV. 3-1[illegible]0

Batt. Dist	Time	Day of Week	Month	Day	Year
1	0110	THURS	JUNE	24	82

Address	Room or Apt. No.	Occupant
EXCHANGE & FRANKLIN		

Owner	Address of Owner

Transmission of Alarm	Type of Situation Found
8-1141	FIRE

Type of Action Taken	Eng. Co. (1st-In Dist.)	Platoon	No. Alarms	Mutual Aid YES / NO
EXT	3	2	1	NO

Property Classification	Complex	Area of Origin	Const.	Size
AUTO		TOTAL		

Height or Floor	If Mobile	Make	Model	License No.
	78 Year	CHEV.	CLASSIC	6932-ADR.

Number Injured		Number Killed	
Civilians	Fire Service	Civilians	Fire Service

NAME AND ADDRESS OF INJURED	NAME AND ADDRESS OF KILLED

STATEMENT OF INJURY Example: Smoking in bed, playing with matches, traffic accident, unknown cause

577

BUREAU OF FIRE PREVENTION - FIRE RECORD

F 33
REV. 8-1-70

Batt. Dist. 3	Time 0305	Day of Week SAT	Month 3	Day 18	Year 78
Address EXCHANGE & LARKIN	Room or Apt. No.	Occupant			
Owner ?		Address of Owner ?			
Transmission of Alarm 3-127 (F1-1141		Type of Situation Found FIRE (AUTO			
Type of Action Taken EXT	Eng. Co. (1st-in Dist.) 32	Platoon 2	No. Alarms 1	Mutual Aid YES NO ✓	
Property Classification AUTO	Complex	Area of Origin FULLY-INV.	Const.	Size	
Height or Floor	If Mobile ? Year	Make ? FORD	Model ?	License No. 363-EWP	

Number Injured		Number Killed	
Civilians	Fire Service	Civilians	Fire Service
NAME AND ADDRESS OF INJURED		NAME AND ADDRESS OF KILLED	

STATEMENT OF INJURY Example: Smoking in bed, playing with matches, traffic accident, unknown cause

LOCATION rear. S.W. Cor. Exchange & Larkin

PERMIT NO. 32314 DATE Sept. 27 1910 PLAN FILE

OWNER Iroquois Door Co

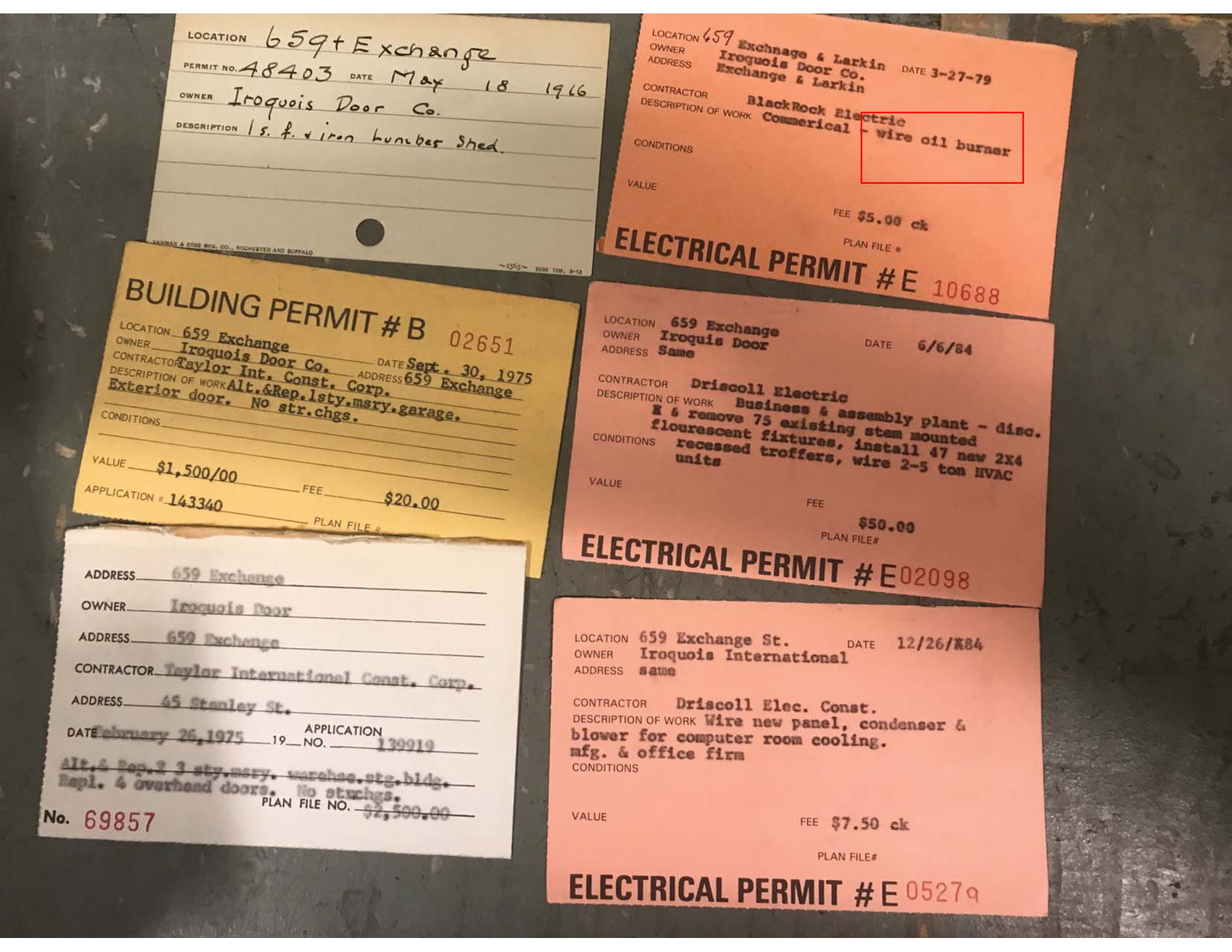
DESCRIPTION 1 STORY frame USE storage room

PERMIT NO. DATE 191 PLAN FILE

OWNER

DESCRIPTION STORY USE

LOCKWOOD, STATIONER, BUFFALO 32698



LOCATION 659+Exchange
PERMIT NO. 48403 DATE May 18 1966
OWNER Iroquois Door Co.
DESCRIPTION 1 s. f. & iron lumber Shed.

HARMAN & ERBE MFG. CO., ROCHESTER AND BUFFALO

~1565~ 8080 10M. 8-18

LOCATION 659 Exchnage & Larkin DATE 3-27-79
OWNER Iroquois Door Co.
ADDRESS Exchange & Larkin
CONTRACTOR BlackRock Electric
DESCRIPTION OF WORK Commerical - wire oil burner
CONDITIONS
VALUE
FEE $5.00 ck
PLAN FILE #

ELECTRICAL PERMIT # E 10688

BUILDING PERMIT # B 02651

LOCATION 659 Exchange
OWNER Iroquois Door Co. DATE Sept. 30, 1975
CONTRACTOR Taylor Int. Const. Corp. ADDRESS 659 Exchange
DESCRIPTION OF WORK Alt.&Rep.lsty.msry.garage. Exterior door. No str.chgs.
CONDITIONS
VALUE $1,500/00 FEE $20.00
APPLICATION # 143340 PLAN FILE #

LOCATION 659 Exchange
OWNER Iroquis Door DATE 6/6/84
ADDRESS Same
CONTRACTOR Driscoll Electric
DESCRIPTION OF WORK Business & assembly plant - disc. R & remove 75 existing stem mounted flourescent fixtures, install 47 new 2X4 recessed troffers, wire 2-5 ton HVAC units
CONDITIONS
VALUE
FEE $50.00
PLAN FILE#

ELECTRICAL PERMIT # E 02098

ADDRESS 659 Exchange
OWNER Iroquois Door
ADDRESS 659 Exchange
CONTRACTOR Taylor International Const. Corp.
ADDRESS 45 Stanley St.
DATE February 26,1975 19 APPLICATION NO. 139919
Alt.& Rep.2 3 sty.msry. warehse.stg.bldg. Repl. 4 overhead doors. No strchgs.
PLAN FILE NO. $2,500.00
No. 69857

LOCATION 659 Exchange St. DATE 12/26/84
OWNER Iroquois International
ADDRESS same
CONTRACTOR Driscoll Elec. Const.
DESCRIPTION OF WORK Wire new panel, condenser & blower for computer room cooling. mfg. & office firm
CONDITIONS
VALUE
FEE $7.50 ck
PLAN FILE#

ELECTRICAL PERMIT # E 05279

LOCATION 659 Exchange DATE 11/16/84

OWNER Iroquis Door

ADDRESS Same

CONTRACTOR Driscoll Electric

DESCRIPTION OF WORK MFG - Remove and replace existing sub distribution switchboard assembly with new circuit breaker disconnects. (6) 100 amp

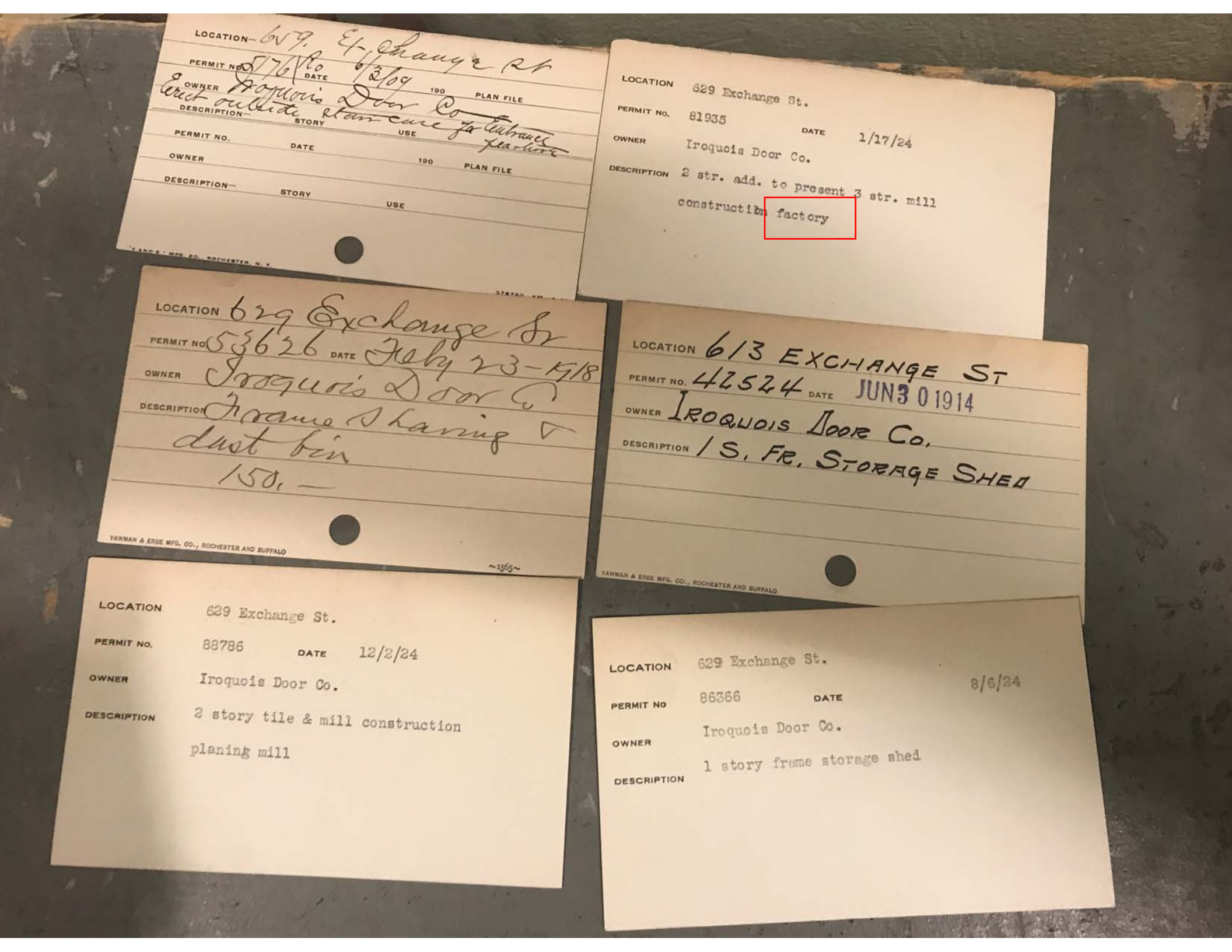
CONDITIONS

VALUE

FEE $50.00

PLAN FILE#

ELECTRICAL PERMIT # E 04749



LOCATION 629 E. Exchange St
PERMIT NO 576 DATE 6/3/09 190 PLAN FILE
OWNER Iroquois Door Co
DESCRIPTION Erect outside stair case for entrance to planing
STORY USE
PERMIT NO. DATE 190 PLAN FILE
OWNER
DESCRIPTION STORY USE
YAWMAN & ERBE MFG. CO., ROCHESTER, N. Y.

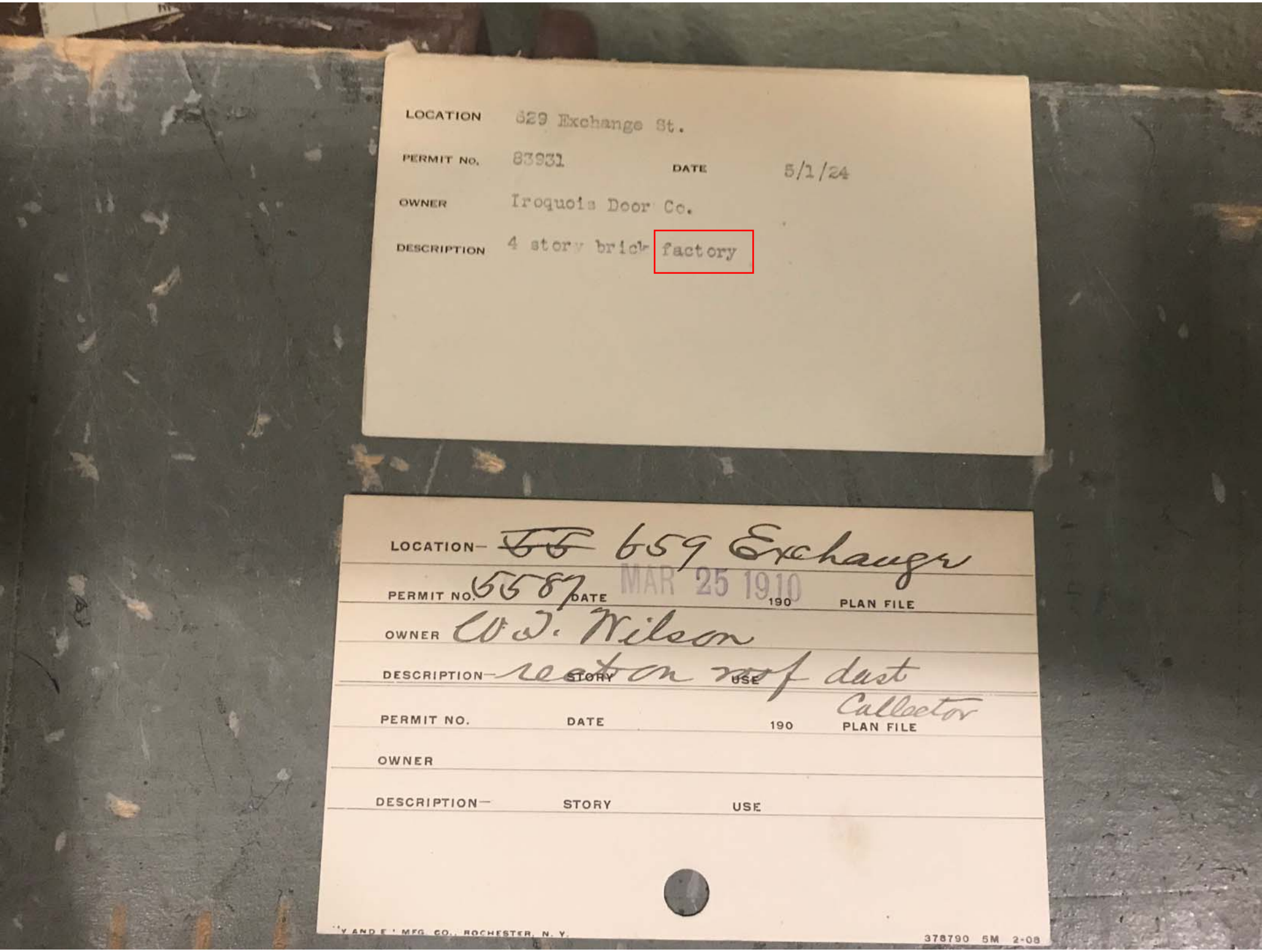
LOCATION 629 Exchange St.
PERMIT No. 81935 DATE 1/17/24
OWNER Iroquois Door Co.
DESCRIPTION 2 str. add. to present 3 str. mill construction factory

LOCATION 629 Exchange St
PERMIT NO 53626 DATE July 23-1918
OWNER Iroquois Door Co
DESCRIPTION Frame Shaving dust bin
150. —
YAWMAN & ERBE MFG. CO., ROCHESTER AND BUFFALO
~1565~

LOCATION 613 EXCHANGE ST
PERMIT NO. 425424 DATE JUN 30 1914
OWNER IROQUOIS DOOR CO.
DESCRIPTION 1 S. FR. STORAGE SHED
YAWMAN & ERBE MFG. CO., ROCHESTER AND BUFFALO

LOCATION 629 Exchange St.
PERMIT No. 88786 DATE 12/2/24
OWNER Iroquois Door Co.
DESCRIPTION 2 story tile & mill construction planing mill

LOCATION 629 Exchange St.
PERMIT NO 86366 DATE 8/6/24
OWNER Iroquois Door Co.
DESCRIPTION 1 story frame storage shed



LOCATION 629 Exchange St.

PERMIT No. 83931 DATE 5/1/24

OWNER Iroquois Door Co.

DESCRIPTION 4 story brick factory

LOCATION— ~~55~~ 659 Exchange

PERMIT NO. 5587 DATE MAR 25 1910 PLAN FILE

OWNER W. J. Wilson

DESCRIPTION— ~~1~~ 1 story USE roof dust Collector

PERMIT NO. DATE 190 PLAN FILE

OWNER

DESCRIPTION— STORY USE

Y AND E. MFG. CO., ROCHESTER, N. Y.

378790 5M 2-08

LOCATION 629-659 EXCHANGE

PERMIT NO. 54759 DATE June 29, 1918

OWNER Iroquois Door Company

DESCRIPTION 1 s. frame addn. to lumber shed

$500

YAWMAN & ERBE MFG. CO., ROCHESTER AND BUFFALO

~1565~

BUILDING PERMIT

12.0/2

Department of Community Development
Division of Inspections, Licenses, and Permits

..... *BUILDING A BETTER BUFFALO*®

LOCATION 00619 00000 EXCHANGE

DATE 10-06-97

OWNER E.C.I.D.A.

ADDRESS 639 EXCHANGE ST.

CONTRACTOR POWER CONSTRUCTION

LICENSE No. 8373

APPLICATION No. 00239454

FEE $ 104.00

VALUE 1500.00

PERMIT No. 0041020

PLANS FILED NO

SBL No. 1222500002011000

PROPERTY CLASS 710

DESCRIPTION OF WORK

REPAIR FRONT ENTRANCE BRICK STAIRS
NO STRUCTURAL CHANGES TO A 3 STORY TEXTILE MANUFACTURING FACILITY

CONDITIONS

AND AS shown on application numbered above, which application is made a part of this permit.

*** ALL GENERAL CONTRACTORS AND SUB-CONTRACTORS MUST CARRY A CITY LICENSE. ***

THIS PERMIT IS VOID IF FOUND TO BE ISSUED IN VIOLATION OF ANY LAW OR ORDINANCE AND CONDITIONS STATED ABOVE.

Commissioner of Community Development

INSPECTOR	DATE	DESCRIPTION OF INSPECTION
RB	1/12/98	WORK COMPLETE CLOSE FILE

Cash
#41042
10/06/97
B.H.

41020

DEPARTMENT OF NEIGHBORHOODS, HOUSING AND INSPECTIONS
301 CITY HALL
BUFFALO, NEW YORK

APPLICATION FEE $ 46.00
ZONING B OF A .00
PERMIT FEE 58.00
FINE .00
TOTAL FEE 104.00
BALANCE
DATE BALANCE PAID

PERMIT APPLICATION NO. 239454 DATE 10-06-97
PERMIT NO. B DATE 00-00-00

TO THE COMMISSIONER OF NEIGHBORHOODS, HOUSING AND INSPECTIONS:

1. I, THE UNDERSIGNED, PROPOSED TO REPAIR A MASONRY (TYPE OF BUILDING)

2. ON THE FRONT OF THE PREMISES KNOWN AS NO. 619 EXCHANGE

3. LOCATED ON THE SIDE OF STREET 72. E JEFFERSON

4. IN A M1 LIGHT INDUSTRIAL DISTRICT. SPECIAL DIST. .

5. TO BE USED FOR MANUFACTURING FACILITY

6. REMARKS REPAIR FRONT ENTRANCE BRICK STAIRS

NO STRUCTURAL CHANGES TO A 3 STORY TEXTILE MANUFACTURING FACILITY

7. ON LOT 00516 FEET WIDE 00060 FEET LONG. AREA OF LOT SQ. FT.

8. SIZE OF PROPOSED BUILDING 00000 FT. WIDE 00000 FT. LONG.
AREA OF BLDG. 00000 SQ. FT. 00000 FT. HIGH 00.0 STORIES
CONTENTS 00000000 CU. FT.

9. WHAT OTHER BUILDINGS ARE, OR WILL BE, LOCATED ON LOT?
STORIES 03.0

10. DEBRIS BFI

11. SEQRA REQUIRED - TYPE 1 (Y/N) N

12. HOW MANY FAMILIES WILL BE HOUSED ON PREMISES? 00 HOW MANY APTS.? 00

13.

DEPTH OF FRONT YARD	00000	IS HEATING WORK NECESSARY?	NO
DEPTH OF REAR YARD	00000	IS ELECTRICAL WORK NECESSARY?	NO
WIDTH OF N.E.S.W. SIDE YARD	00000	IS PLUMBING WORK NECESSARY?	NO
WIDTH OF OTHER SIDE YARD	00000	IS FLAMMABLE LIQUID STORED OR USED ON THE PREMISES?	NO

14. AREA OF ACCESSORY BUILDING(S) 00000 SQ. FT. EQUALS .00% OF REAR LOT AREA 00000 SQ. FT. (DISTANCE FROM REAR OF DWELLING TO REAR LOT LINE MULTIPLY BY WIDTH OF LOT)

15. COST OF WORK $ 1500.00 ADDIT. .00

16. OWNER E.C.I.D.A.
BFLO,NY
639 EXCHANGE ST,
CONTRACTOR POWER CONSTRUCTION
395 FLORIDA, BFLO, NY 14208
PHONE NO. 000-0000
AGENT VERNON WALTON
LICENSE NO. 8373
PHONE NO. 881-4591
PHONE NO. 000-0000

TREES OVER FOUR (4) FEET HIGH

UNDER PENALTIES OF PERJURY, I DECLARE THAT I HAVE EXAMINED THIS APPLICATION AND KNOW THE CONTENTS THEREOF; THAT THE SAME CORRECTLY DESCRIBES THE CHARACTER, PRESENT AND PROPOSED, USE AND LOCATION OF THE PREMISES OR BUILDING WHICH THE OWNER PROPOSES TO REPAIR , AND THE OWNERSHIP THEREOF.

DATE: 10.6.97

SIGNATURE (OWNER, AGENT OR CONTRACTOR)

SEPARATE APPLICATIONS AND PERMITS ARE REQUIRED FOR PLUMBING, ELECTRICAL, HEATING, VENTILATION, AND/OR AIR CONDITIONING WORK.

PROPOSED USE/WORK DESCRIBED HEREIN IS NOT AUTHORIZED TO BEGIN UNTIL

APPENDIX F

SITE RECONNAISSANCE PHOTOS

SITE PHOTOGRAPHS

Photo 1:



Photo 2:



Photo 3:



Photo 4:



Photo 1: View of the building (section 1 and 2) fronting Exchange Street – facing east.

Photo 2: View of the building (section 3) fronting Exchange Street – facing east.

Photo 3: View of the rear of the building (section 1 and 2) – facing west.

Photo 4: View of the rear of the building (section 2 and 3) – facing west.

SITE PHOTOGRAPHS

Photo 5:



Photo 6:



Photo 7:



Photo 8:



Photo 5: View of the suspect vent pipe of unknown nature noted along the south exterior wall.

Photo 6: View of a circular concrete filled metal structure of unknown nature at the northeast corner of the building.

Photo 7: View of three suspect brackets (possibly electric-related) on the north exterior wall.

Photo 8: View of two suspect brackets (possibly electric-related) on the north exterior wall.

SITE PHOTOGRAPHS

Photo 9:



Photo 10:



Photo 11:

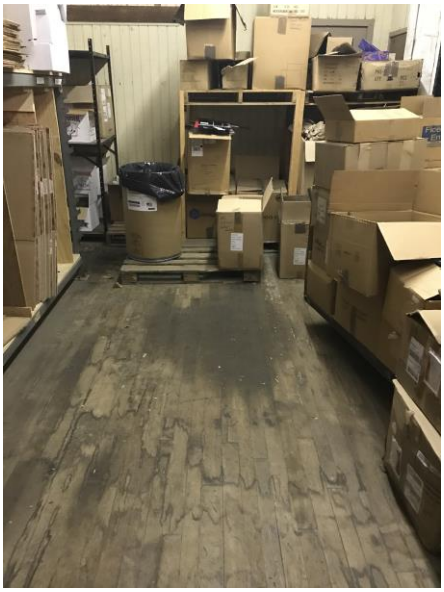


Photo 12:



Photo 9: View of staining and debris proximate a floor drain in basement mechanical room.

Photo 10: View of pipe wrap typical throughout the basement.

Photo 11: View of minor staining on wooden floor surface in the second floor storage area of the building.

Photo 12: View of black staining typical of rooftop elevator mechanical rooms.

SITE PHOTOGRAPHS

Photo 13:



Photo 14:



Photo 15:



Photo 16:



Photo 13: View of staining, debris, and standing water typical in basement elevator pits.

Photo 14: View of two cut copper lines in basement mechanical room indicative of fuel oil heat.

Photo 15: View of basement mechanical room with standing water throughout.

Photo 16: View of typical sump system located in basement.

SITE PHOTOGRAPHS

Photo 17:



Photo 18:



Photo 19:

Photo 20:

Photo 17: View of basement vault in building section 2 (note: manholes on ceiling and unknown pipes).

Photo 18: View of the apparent fuel oil gauge in basement boiler room adjacent basement vault.

APPENDIX G

QUESTIONNAIRES

Phase I Environmental Site Assessment
User Questionnaire

SITE NAME: 619 Exchange Street Site

ADDRESS: 619 Exchange Street, Buffalo, NY

1.) Are you aware of any environmental cleanup liens against the Site that have been filed or recorded in a registry under federal, tribal, state or local law?

☒ No ☐ Yes Explain: _____

2.) Are you aware of any engineering controls, land use restrictions or institutional controls that are in place and/or that have been filed or recorded in a registry under federal, tribal, state or local law?

☒ No ☐ Yes Explain: _____

3.) As the User of this ESA do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

☒ No ☐ Yes Explain: _____

4.) Does the purchase price being paid for this property reasonably reflect fair market value of the property? If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?

☐ No ☒ Yes If No, Explain: Yes, we beleive it is fair market price and are not aware of contamination.

5.) Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as User,

a. Do you know the past use of the property?
☒ No ☐ Yes Explain: _____

b. Do you know of specific chemicals that are present or once were present at the property?
☒ No ☐ Yes Explain: _____

c. Do you know of spills or other chemical releases that have taken place at the property?
☒ No ☐ Yes Explain: _____

d. Do you know of any environmental cleanup activities that have taken place at the property?
☒ No ☐ Yes Explain: _____

6.) As the User of this ESA, based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of contamination at the property?

☒ No ☐ Yes Explain: _____

CERTIFICATION OF RESPONSES

I, Andrew I. Crossed, the user of the Phase I ESA being completed for this Site, do hereby attest and certify that to the best of my knowledge, the answers and information provided in this questionnaire, are true and accurate. I have not willfully withheld information that may be pertinent to the questions contained herein and have not distorted or misrepresented the facts regarding the content of this questionnaire.

Signature: _____ Date: 7/1/18

Title: Managing Partner, Park Grove Realty

Phase I Environmental Site Assessment
Environmental Questionnaire

1) **Site Information**
Site Name: ~~23 Austin Street Site~~ 619-659 Exchange
Address: ~~23 Austin Street, Buffalo, NY~~ 619-659 Exchange St., Buffalo, NY 14210

Business Owner/Operator: M.U. Partners / Barack Ulin
Title: President Years in Position: 2

2) **Size & Nature of Operation**
Number of Buildings: 1 Total Sq. Ft.: 99,600 Property Size (acres):

Description of Operations: Warehouse Space

Current Tenants: K.W. Textile, Inc.

What is the intended use of the subject property and/or structures located on the subject property?
Warehouse uses for storage - ~~room~~ non-perishables

3) **What are the past uses/occupants of this facility/property & dates of occupancy?**
1) K.W. has been the primary tenant since 1990
2)
3)

4) **Utilities**
Floor Drains: 7 Discharge Point: 1 bay, 2 office basement, 4 warehouse basement
Sump Pumps: 4 Discharge Point: 1 office basement, 2nd/3rd Elevator Pits, outside pump room
Storm Drains: Discharge Point:
Other:
On-site utilities: Electric Meter rear, Gas meter office basement, H_2O office basement, Heat for basement
When was subject property connected to municipal sewer, if currently connected?

5) **List and describe the stormwater and wastewater discharges from the facility, including the sources, discharge points, and receiving waters or facility.**
City Sewer and City Street Side Storm drains

6) **What is the nature of the wastes generated on-site (including hazardous/ regulated wastes, the disposal methods and waste disposal vendors)?**
General waste - Cardboard, packing supplies, office waste

How is it stored on-site? Dumpster - outside of bay
Who collects the waste? Republic Services

7) **Has the refuse service ever refuse to collect the waste?**
☒ No ☐ Yes Explain:

8) **Have there ever been any complaints or notices of violations about your facility?**
☒ No ☐ Yes Nature:

9) **What type of HVAC (Heating, Ventilation & Air Conditioning) system does this facility have (ex; natural gas, electric, heating oil, propane, etc. /forced air, radiant, HVAC, etc.)?**
Heat - Natural Gas
A/C - Electric

10) **Was this facility ever heated with oil?**
☒ No ☐ Yes When? Not under current ownership?
Method of Storage:

11) **Was this facility ever a car repair shop, paint shop, or gas station?**
☒ No ☐ Yes When?
Owner:

12) **Are there any aboveground or underground storage tanks?**
☒ No ☐ Yes
Tank ID#:
☐ UST ☐ AST Capacity: Product:
Location:
Notable Information:

Tank ID#:
☐ UST ☐ AST Capacity: Product:
Location:
Notable Information:

Tank ID#:
☐ UST ☐ AST Capacity: Product:
Location:
Notable Information:

Do the tanks comply with December 1998 EPA requirements (including overfill protection, monitoring systems, cathodic protection/double walled tank & piping, etc.)?
☐ No ☐ Yes
When were the tanks leak tested?
Are the tanks registered?
Leak detection devices in place? ☐ No ☐ Yes Type of system?

Monitoring reports available? ☐ No ☐ Yes Please supply reports.

13) **Were there ever, to your knowledge, any underground or aboveground tanks located on-site previously?**
☐ No ☐ Yes When? Not to my knowledge

Are closure reports available? ☐ No ☐ Yes

14) What type of chemicals are used in the operations (attach list)?
List hazardous waste/material storage locations:
None

15) List the environmental or safety reports to be submitted to regulatory agencies, the frequency of such reports, and the agencies to which they are submitted.
We comply with county and city on Fire Safety and Elevator Safety.

16) Do you have any federal, state, or local permits for the following?

SPDES:	☒ No ☐ Yes	ID #:	
RCRA:	☒ No ☐ Yes	ID #:	
EPA ID:	☒ No ☐ Yes	ID #:	
Title V Air Emissions:	☒ No ☐ Yes	ID #:	

17) Have you ever transported Hazardous waste from this site?
☒ No ☐ Yes manifests available? ☐ No ☐ Yes

18) Are PCBs or PCB-containing equipment present on the subject property, including light ballasts or other equipment?
☒ No ☐ Yes
Location: Type of Equipment:
Location: Type of Equipment:
Location: Type of Equipment:

19) Are there any transformers located on-site?
☐ No ☐ Yes Are they utility owned? ☐ No ☐ Yes Utility Company or owner:

20) Do you treat or dispose of any waste materials on-site including incineration, neutralization, or landfilling?
☒ No ☐ Yes Type:

21) Do you store any hazardous/regulated wastes on-site for transfer to a disposal facility?
☒ No ☐ Yes Waste recipient: Permit #:

22) Have you ever been the subject of an enforcement action by any federal, date, or local agency regarding environmental issues?
☒ No ☐ Yes Nature of action:

23) Have there ever been any spills, unpermitted discharges, or releases of hazardous or contaminated materials at or near this facility?
☒ No ☐ Yes Nature of release:

24) Are there any stained, stressed or dead vegetation surfaces on-site?
☒ No ☐ Yes Suspected cause:

25) Are you presently under any federal, state, or local consent orders, decrees or causes of action?
☒ No ☐ Yes Are they pending? ☐ No ☐ Yes

26) Have you ever allowed or permitted any other entity to dump, store, dispose, transport, bury, incinerate, or landfill any materials at the site?
☒ No ☐ Yes Who? When?

27) Does anyone other than your operations utilize this site presently?
☒ No ☐ Yes Who?
Nature of their operations:

28) Have you ever experienced any problems from odors, drainage, storage practices, or operations from your neighbors?
☒ No ☐ Yes Nature of the problem:
Actions taken to correct the problem:

29) Are you aware of any environmental liens on the property?
☒ No ☐ Yes Nature:

30) Was there ever a septic tank, leach field injection well, or dry well located on the property?
☒ No ☐ Yes When?

31) Are there, or were there ever any water wells located on-site?
☒ No ☐ Yes When?

32) Are there any dry cleaning operations conducted on-site?
☒ No ☐ Yes How long has dry cleaning been conducted on-site?
What is the current generation of machine used on-site?
How old is the current machine?
Was there a previous machine used on-site?

33) Is there currently any X-ray developing or film developing conducted on-site?
☒ No ☐ Yes Is there a silver recovery system in use? ☐ No ☐ Yes

34) Do you have any specialized knowledge that would provide information regarding previous ownership or uses of the property that may be material to identifying recognized environmental conditions regarding the site?
☒ No ☐ Yes Nature:

35) What are the past and present uses of the properties adjacent to you (please include dates of occupancy)?

Direction	Current Use/ Occupant	Past Use/Occupants
North	AIP Steel - across Street	
South	Parking lot	
East	Train track	
West	Parking, AIP Steel	

36) Are there any pending, threatened or past litigation relevant to hazardous substances or petroleum products in, on or from the subject property?
☒ No ☐ Yes Nature:

37) **Are there any pending, threatened or past administrative proceedings relevant to hazardous substances or petroleum products in, on or from the subject property?**

☒ No ☐ Yes Nature:

38) **Are there any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products related to this site?**

☒ No ☐ Yes Nature:

CERTIFICATION OF RESPONSES

I, Barak Win, the owner/operator and/or responsible person for this facility, do hereby attest and certify that to the best of my knowledge, the answers and information provided in this questionnaire, are true and accurate. I have not willfully withheld information that may be pertinent to the questions contained herein and have not distorted or misrepresented the facts regarding the content of this questionnaire.

Signature: Date: 6/26/18

Title: President

Phase II Environmental Investigation Report

619 EXCHANGE STREET
BUFFALO, NEW YORK

October 2023 T0455-023-001

Prepared For: Park Grove Realty
46 Prince Street, Suite 2003
Rochester, New York 14607



Prepared By:

TurnKey Environmental Restoration, LLC

2558 Hamburg Turnpike, Suite 300, Buffalo, New York | phone: (716) 856-0635 | fax: (716) 856-0583

PHASE II ENVIRONMENTAL INVESTIGATION REPORT

619 Exchange Street
Buffalo, New York

October 2023 T0455-023-001

Prepared for:

Park Grove Realty
46 Prince Street, Suite 2003
Rochester, New York 14607

Prepared by:

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, New York 14218

PHASE II ENVIRONMENTAL INVESTIGATION REPORT

619 Exchange Street
Buffalo, New York

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Appendix C	Laboratory Analytical Data Summary Package

1.0 INTRODUCTION

1.1 Background and Site Description

TurnKey Environmental Restoration, LLC (TurnKey) performed a Phase II Environmental Investigation for Park Grove Realty at the property addressed as 619 Exchange Street, City of Buffalo, Erie County, New York (Site).

The Site is located in a highly developed commercial/ industrial area of the City of Buffalo (see Figure 1). As shown on Figure 2, one (1) structure is present on the Site. Per municipal records the existing building is split into three (3) sections with Section 3 previously demolished with the concrete slab-on-grade remaining.

The Site consists of one (1) parcel totaling approximately 0.72-acres and is supplied with/has access to municipal sanitary sewer, electric, natural-gas and public water.

We understand that the Site is slated for redevelopment. The purpose of this investigation was to assess recognized environmental conditions (RECs) identified for the Site in a Phase I Environmental Site Assessment completed by TurnKey in July 2018. The specific RECs identified for the Site included the following:

- The building has a long history of woodworking, planing, and milling operations. Such activities could result in environmental impacts beneath the building slab due to the reasonably anticipated use of woodworking machinery and chemicals such as wood preservatives, stains, paints, etc.
- Evidence of historic fuel oil heat including cut copper lines and a suspect 5,000-gallon fuel gauge. Tank-related information is unavailable. TurnKey suspects, but could not confirm, that an AST was formerly present within a vault proximate to the boiler room within the basement of Section 1.
- The threaded suspect vent pipe observed protruding from the south wall of the building is considered a REC as the nature of the pipe is unknown.
- Prior to the current on-Site development, railroad tracks bisected the Site.

Additional information relative to the work completed at the Site by TurnKey is provided below.

2.0 SITE INVESTIGATION ACTIVITIES

2.1 Soil Boring and Hand Auger Investigation

On May 23, 2023, Trec Environmental (Trec) completed seven (7) soil borings, identified as SB-1 through SB-7, using a direct-push Geoprobe drill rig throughout Section 1 (basement) and Section 2 (slab on grade) of the existing building. To facilitate drilling activities, the existing concrete slab was cored at all investigation locations on May 5, 2023. During drilling activities, the drill rig experienced equipment failure at SB-6. As such, only fill material was collected from SB-6 to approximately 1 foot/feet below ground surface (fbgs) and the exterior investigation locations (HA-1 through HA-3) were completed using a hand auger. The majority of the soil borings were completed at least three (3) feet into native soils where equipment refusal was encountered due to very tight clay. Hand augers HA-1 and HA-3 encountered refusal due to brick and wood at approximately 1 fbgs, respectively. Hand Auger HA-2 was completed to approximately 4 fbgs where clayey sand was encountered. Groundwater was encountered at three (3) investigation locations ranging from 2.5 fbgs (western portion of the Site) and 5 fbgs (eastern portion of the Site). It should be noted that soil borings SB-1 through SB-5 were completed within the basement of the existing building which is approximately 10 feet below the existing ground surface. See Appendix A for boring logs.

To supplement the previous subsurface investigation, additional fill samples were collected on August 22, 2023 from within the western portion of Section 1 (central portion of the building) of the existing building and are identified as SB-8 through SB-10. Samples were collected from previously excavated and accessible locations proximate to building columns (apparent structural investigation locations) using a pre-cleaned stainless steel spoon, which was cleaned and decontaminated between each sample location. Fill material was observed from directly below the concrete slab to approximately 1 fbgs. Standing water/groundwater was also observed within each excavation location at approximately 1 fbgs.

The physical characteristics of all soil borings and hand augers were classified using the ASTM D2488 Visual-Manual Procedure Description. Soils from each investigation location were screened via headspace screening using a MiniRae 2000 Photoionization Detector (PID). Visual and/or olfactory observations were also noted. All field observations, including lithology, depths, PID scan results, etc., at each investigation location are summarized in the

Boring Log sheets provided in Appendix A. Photographs taken during the work are included in Appendix B.

Thirteen (13) soil samples selected for laboratory analysis were transported under chain-of custody command to Alpha Analytical, Inc. (Alpha) for analysis of polycyclic aromatic hydrocarbons (PAHs) and Resource Conservation and Recovery Act (RCRA) metals via United States Environmental Protection Agency (USEPA) Methods 8270D and 6010C/7471B, respectively. All samples were collected in laboratory provided sample bottles and were cooled to 4^0 C prior to transport.

3.0 INVESTIGATION FINDINGS

3.1 Site Geology/Hydrogeology

The overburden geology observed during the investigation activities is generally described as fill materials overlying native clay or combinations of sand and clay to at least 6 fbgs.

Fill was encountered across the Site at all of the investigation locations at depths ranging between 1 fbgs and 3 fbgs. Specifically, fill materials within the eastern portion of the Site consisted of black gravel and sand with black fines and black granular material to approximately 1 fbgs. Fill material within the western portion of the Site consisted of black sand with varying mixtures of white ash, cinders/black fines, wood, and gravel.

Groundwater was encountered at three (3) investigation locations at depths ranging between 2.5 and 5 fbgs. Standing water/groundwater was also observed at each supplemental investigation location (SB-8 through SB-10) at approximately 1 fbgs. It should be noted that water encountered within the eastern portion of the Site was determined from the top of the concrete basement slab which is approximately 10 fbgs.

Groundwater flow is likely to the west/southwest toward the Buffalo River. Local groundwater flow, however, may be influenced by subsurface features, such as excavations, utilities, and localized fill-conditions.

3.2 Field Observations

Soil samples from TurnKey's soil boring and hand auger investigation were observed and field screened for volatile organics using a PID. No elevated PIDs were observed. Additional information relative to TurnKey's investigation is provided in the table below.

Investigation Location ID	Environmental Concern Assessed	Highest PID reading (parts per million, ppm) and depth (fbgs)	Other Observations
SB-1	Interior floor drain and three (3) exterior suspect brackets.	0.0 ppm throughout.	Fill to approximately 1 fbgs
SB-2	Sheen observed on concrete slab.		
SB-3	Interior sump with standing water.		
SB-4	Interior sump and two (2) exterior suspect brackets.		
SB-5	Site coverage		
SB-6	Former electrical panel.		
SB-7	Interior trench drain and Site coverage.		
SB-8	Site coverage		
SB-9	Site coverage		
SB-10	Site coverage		
HA-1	Black staining on concrete slab.		Fill to approximately 1 fbgs, black sand with black granular material, wood, white ash, gravel, and brick.
HA-2	Black staining on concrete slab.		Fill to approximately 3 fbgs, black sand with black granular material and white ash, trace wood and gravel.
HA-3	Black tar on concrete slab.		Fill to approximately 1 fbgs, black sand with trace black granular material, wood, white ash, gravel, and brick.

3.3 Soil Analytical Results

Table 1 presents a summary of the detected PAHs and metals for each of the thirteen (13) soil/fill samples selected for laboratory analysis from the investigation. For comparative purposes, Table 1 includes 6NYCRR Part 375 Unrestricted Use Soil Cleanup Objectives (USCOs) and Restricted-Residential Use Soil Cleanup Objectives (RRSCOs). RRSCOs are the most applicable SCO based on the anticipated future intended use of the Site. Appendix C contains a copy of the laboratory analytical data package.

As summarized on Table 1, individual PAHs exceeded Part 375 RRSCOs at two (2) investigation locations (SB-3 and HC-1) located in the eastern and western portions of the Site. Specifically, benzo(a)anthracene, benzo(a)pyrene), benzo(b)fluoranthene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene exceeded their respective RRSCOs at both locations (SB-3 and HC-1). Chrysene exceeded its RRSCO at HC-1.

Metals were identified at concentrations exceeding Part 375 SCOs at nine (9) soil/fill samples analyzed from across the Site. Specifically, in regard to RRSCO exceedances, arsenic exceeded its respective RRSCO of 16 ppm (concentration is consistent with its Industrial SCO) at SB-1 (22.5 ppm), SB-2 (64.4 ppm), SB-7 (18 ppm), HC-1 (16.8 ppm), and HC-3 (22.1 ppm). Barium significantly exceeded its RRSCO of 400 ppm at SB-10 (1,850 ppm). Lead exceeded its respective RRSCO of 400 ppm at HC-1 (525 ppm). Mercury exceeded its respective RRSCO of 0.81 ppm at HC-1 (12.2 ppm) and HC-2 (2.53 ppm).

Analytical exceedances are shown on Figure 2.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of the Phase II investigation at the Site, TurnKey offers the following conclusions and recommendations:

- The Site is currently vacant and underutilized and is located within an historic industrial area. Specific uses at the Site formerly included woodworking, planing, and milling. TurnKey suspects that the existing building was heated by fuel oil as evidenced by cut copper lines, a 5,000-gallon fuel gauge, and a suspect vault where we suspect a fuel oil AST was previously located. A threaded suspect vent pipe, which may have been a vent pipe for a fuel oil tank, was noted protruding from the south exterior wall of the existing building.

- Fill material, consisting of mixtures of black fines, granular material, ash, cinders, and/or fragments of wood and brick, was encountered across the Site at all of the investigation locations at depths ranging between 1 fbgs and 3 fbgs. As further detailed below and on Figure 2, chemical analysis indicates the presence of impacted fill materials across the Site.

- PAHs and metals were detected at concentrations above Part 375 SCOs, including USCOs and RRSCOs, across the Site. The highest PAH concentrations were identified on the eastern and western portions of the Site. Elevated metals were identified across the Site, in the eastern, western, and central areas, with the highest concentrations associated with arsenic (up to 64.4 milligrams per kilogram, mg/kg), barium (up to 1,850 mg/kg), lead (up to 525 mg/kg), and mercury (up to 12.2 mg/kg).

- We understand the property is being considered for redevelopment. Based on the findings detailed above, the Site is a potential candidate for the Brownfield Cleanup Program (BCP). Regardless of whether the BCP is pursued, impacted fill present on-Site will require exposure control, remediation and/or proper management either prior to or during redevelopment.

5.0 LIMITATIONS

This report has been prepared for the exclusive use of Park Grove Realty. The contents of this report are limited to information available at the time of the Site investigation activities and to data referenced herein, and assume all referenced historic information sources to be true and accurate. The findings herein may be relied upon only at the discretion of Park Grove Realty. Use of or reliance on this report or its findings by any other person or entity is prohibited without written permission of TurnKey Environmental Restoration, LLC.

TABLE

TABLE 1
SUMMARY OF SOIL/FILL SAMPLE ANALYTICAL RESULTS
PHASE II ENVIRONMENTAL INVESTIGATION REPORT
619 EXCHANGE STREET
BUFFALO, NEW YORK

Parameter [1]	Unrestricted UseSCOs[2] (mg/kg)	Restricted-Residential Use SCOs[2] (mg/kg)	Sample Location (Depth)												
			SB-1 (0-1 FT)	SB-2 (0-1 FT)	SB-3 (0-1 FT)	SB-4 (0-1 FT)	SB-5 (0-1 FT)	SB-6 (0-1 FT)	SB-7 (0-1 FT)	SB-8 (0-1 FT)	SB-9 (0-1 FT)	SB-10 (0-1 FT)	HC-1 (0-1 FT)	HC-2 (0.5-2 FT)	HC-3 (0-1 FT)
			5/23/2023							8/22/2023			5/23/2023		
Polycyclic Aromatic Hydrocarbons (PAHs) - mg/kg [3]															
2-Methylnaphthalene	--	--	0.095 J	0.096 J	0.14 J	ND	ND	ND	0.06 J	--	--	--	0.38	0.2 J	0.11 J
Acenaphthene	**20**	**100**	ND	ND	0.054 J	ND	ND	ND	0.026 J	ND	ND	ND	0.11 J	0.061 J	0.16
Acenaphthylene	**100**	**100**	ND	ND	0.15 J	ND	ND	ND	0.054 J	ND	ND	ND	0.72	0.046 J	0.037 J
Anthracene	**100**	**100**	ND	ND	0.58	ND	ND	ND	0.12 J	ND	ND	ND	1.8	0.16	0.28
Benzo(a)anthracene	**1**	**1**	0.064 J	0.037 J	**2.7**	ND	0.048 J	0.024 J	0.22	ND	ND	0.3 J	**5**	0.28	0.54
Benzo(a)pyrene	**1**	**1**	0.12 J	ND	**2.9**	ND	ND	ND	0.18	ND	ND	0.39 J	**3.9**	0.18	0.46
Benzo(b)fluoranthene	**1**	**1**	0.12 J	0.044 J	**2.9**	ND	0.051 J	ND	0.2	ND	ND	0.55 J	**4.3**	0.26	0.55
Benzo(g,h,i)perylene	**100**	**100**	0.09 J	0.027 J	1.6	ND	ND	ND	0.09 J	ND	ND	0.33 J	1.6	0.12 J	0.23
Benzo(k)fluoranthene	**0.8**	**3.9**	0.043 J	ND	**0.86**	ND	ND	ND	0.07 J	ND	ND	0.2 J	**2.2**	0.082 J	0.15
Chrysene	**1**	**3.9**	0.062 J	0.035 J	**2.3**	ND	0.046 J	0.024 J	0.19	ND	ND	0.35 J	**4.4**	0.28	0.52
Dibenzo(a,h)anthracene	**0.33**	**0.33**	ND	ND	**0.48**	ND	ND	ND	ND	ND	ND	ND	**0.62**	0.028 J	0.057 J
Fluoranthene	**100**	**100**	0.058 J	0.037 J	2.1	ND	0.11 J	0.036 J	ND	ND	ND	0.64 J	8.6	0.54	1.3
Fluorene	**30**	**100**	ND	ND	0.082 J	ND	ND	ND	0.074 J	ND	ND	ND	0.44	0.095 J	0.16 J
Indeno(1,2,3-cd)pyrene	**0.5**	**0.5**	0.077 J	0.03 J	**2.1**	ND	ND	ND	0.11 J	ND	ND	0.25 J	**1.7**	0.13 J	0.29
Naphthalene	**12**	**100**	0.12 J	0.086 J	0.19 J	ND	ND	0.052 J	0.073 J	0.029 J	ND	ND	0.55	0.24	0.1 J
Phenanthrene	**100**	**100**	0.056 J	0.052 J	1.3	ND	0.094 J	0.034 J	0.51	0.051 J	ND	0.41 J	7.8	0.64	1.2
Pyrene	**100**	**100**	0.06 J	0.043 J	2.3	ND	0.082 J	0.034 J	0.4	ND	ND	0.49 J	7.2	0.42	1.1
RCRA Metals - mg/kg															
Arsenic	**13**	**16**	**22.5**	**64.4**	6.3	8.53	11.5	5.61	**18**	**13.3**	**15.3**	11.6	**16.8**	**14.8**	**22.1**
Barium	**350**	**400**	72.9	91.7	87	161	99.7	28.1	86.3	265	255	**1850**	127	68.5	64.6
Cadmium	**2.5**	**4.3**	0.414 J	0.331 J	0.124 J	0.214 J	0.218 J	0.233 J	0.322 J	0.13 J	0.18 J	0.38	0.341 J	0.324 J	0.636
Chromium	**30**	**180**	11.3	7.77	10.5	16	10.2	6.38	20.1	9.7	8.3	12.4	10.5	10.6	7.57
Lead	**63**	**400**	21.4	**67.6**	16.8	45.3	56.1	24.3	**237**	24.3	20.5	**69**	**525**	**286**	**98.3**
Mercury	**0.18**	**0.81**	ND	0.088 J	ND	ND	ND	0.088	**0.453**	0.059	0.029	0.073	**12.2**	**2.53**	**0.214**
Selenium	**3.9**	**180**	ND	1.44	0.277 J	0.394 J	0.399 J	0.386 J	**4.02**	ND	ND	ND	1.76	**4.03**	1.21
Silver	**2**	**180**	ND	ND	ND	ND	0.192 J	0.173 J	ND	ND	ND	ND	0.688	0.298	ND

Notes:

1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Values per 6NYCRR Part 375 Unrestricted Soil Cleanup Objectives (SCOs).
3. Sample results were reported by the laboratory in micograms per kilogram (ug/kg) and converted to milligram per kilogram (mg/kg) for comparison to SCOs.

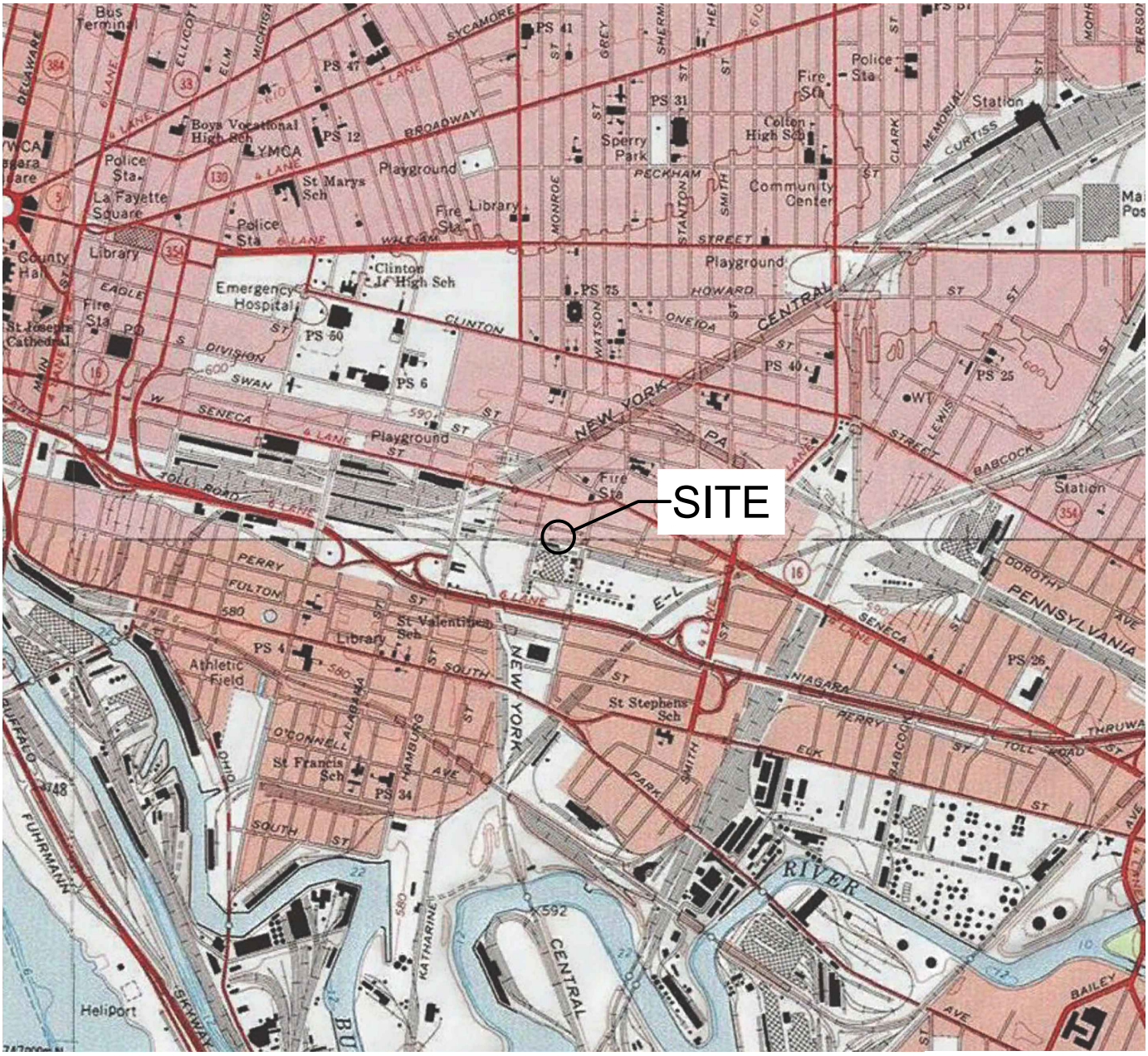
Definitions:

ND = Parameter not detected above laboratory detection limit.
-- = Sample not analyzed for parameter and/or no SCO available.
J = Estimated value; result is less than the sample quantitation limit but greater than zero.

Bold	= Result exceeds Unrestricted Use SCOs
Bold	= Result exceeds Restricted-Residential Use SCOs

FIGURES

FIGURE 1



TurnKey Environmental Restoration, LLC

2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218, (716) 856-0599

PROJECT NO.: T0455-023-001

DATE: MAY 2023

DRAFTED BY: CMS

SITE LOCATION AND VICINITY MAP

PHASE II ENVIRONMENTAL INVESTIGATION REPORT

619 EXCHANGE STREET
BUFFALO, NEW YORK

PREPARED FOR
PARK GROVE REALTY

DISCLAIMER:
PROPERTY OF TURNKEY ENVIRONMENTAL RESTORATION., LLC. IMPORTANT: THIS DRAWING PRINT IS LOANED FOR MUTUAL ASSISTANCE AND AS SUCH IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREON IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY FORM FOR THE BENEFIT OF PARTIES OTHER THAN NECESSARY SUBCONTRACTORS & SUPPLIERS WITHOUT THE WRITTEN CONSENT OF TURNKEY ENVIRONMENTAL RESTORATION., LLC.

LEGEND:

- PROPERTY BOUNDARY
- PARCEL BOUNDARY
- SB-1 ● SOIL BORING
- HC-1 ● HAND CORE/AUGER
- EXCEEDS UNRESTRICTED USE SCOs[2]
- EXCEEDS RESTRICTED-RESIDENTIAL USE SCOs[2]
- BUILDING SECTION PREVIOUSLY DEMOLISHED

NOTES:
1. IMAGE TAKEN FROM GOOGLE EARTH 2022.
2. RESULTS COMPARED TO 6 NYCRR PART 375 SOIL CLEANUP OBJECTIVES (SCOs).

HC-1 (0-1 FT)	5/23/2023
PARAMETER	MG/KG
BENZO(A)ANTHRACENE	5
BENZO(A)PYRENE	3.9
BENZO(B)FLUORANTHENE	4.3
BENZO(K)FLUORANTHENE	2.2
CHRYSENE	4.4
DIBENZO(A,H)ANTHRACENE	0.62
INDENO(1,2,3-CD)PYRENE	1.7
ARSENIC	16.8
LEAD	525
MERCURY	12.2

BLACK STAINING ON CONCRETE SLAB.

SB-10 (0-1 FT)	8/22/2023
PARAMETER	MG/KG
BARIUM	1850
LEAD	69

SB-3 (0-1 FT)	5/23/2023
PARAMETER	MG/KG
BENZO(A)ANTHRACENE	2.7
BENZO(A)PYRENE	2.9
BENZO(B)FLUORANTHENE	2.9
BENZO(K)FLUORANTHENE	0.86
CHRYSENE	2.3
DIBENZO(A,H)ANTHRACENE	0.48
INDENO(1,2,3-CD)PYRENE	2.1

SB-1 (0-1 FT)	5/23/2023
PARAMETER	MG/KG
ARSENIC	22.5

PROXIMATE TO INTERIOR SUMP WITH STANDING WATER

PROXIMATE TO INTERIOR SUMP AND TWO (2) EXTERIOR SUSPECT BRACKETS

PROXIMATE INTERIOR FLOOR DRAIN AND THREE (3) EXTERIOR SUSPECT BRACKETS.

EXCHANGE STREET

SECTION 3 PREVIOUSLY DEMOLISHED. CONCRETE SLAB-ON-GRADE REMAINS.

HC-1 ● HC-2 ● HC-3 ●

SECTION 3 (SLAB-ON -GRADE)

SECTION 2 (SLAB-ON-GRADE)

SECTION 1 (SUBGRADE BASEMENT)

SB-1 ● SB-2 ● SB-3 ● SB-4 ● SB-5 ● SB-6 ● SB-7 ● SB-8 ● SB-9 ● SB-10 ●

BLACK TAR ON CONCRETE SLAB.

HC-3 (0-1 FT)	5/23/2023
PARAMETER	MG/KG
ARSENIC	22.1
LEAD	98.3
MERCURY	0.214

SHEEN OBSERVED ON CONCRETE FLOOR SURFACE. BORING COMPLETED AT LOWEST POINT WITHIN THE AREA OF OBSERVED SHEEN.

SB-9 (0-1 FT)	8/22/2023
PARAMETER	MG/KG
ARSENIC	15.3

SB-2 (0-1 FT)	5/23/2023
PARAMETER	MG/KG
ARSENIC	66.4
LEAD	67.6

BLACK STAINING ON CONCRETE SLAB.

HC-2 (0.5-2 FT)	5/23/2023
PARAMETER	MG/KG
ARSENIC	14.8
LEAD	286
MERCURY	2.53
SELENIUM	4.03

SB-7 (0-1 FT)	5/23/2023
PARAMETER	MG/KG
ARSENIC	18
LEAD	237
MERCURY	0.453
SELENIUM	4.02

SB-8 (0-1 FT)	8/22/2023
PARAMETER	MG/KG
ARSENIC	13.3

UNKNOWN CANDY CANE VENT PIPE

APPROXIMATE LOCATION OF BASEMENT MECHANICAL ROOM AND SUSPECT FORMER AST VAULT WITH 5,000-GALLON FUEL LEVEL GAUGE, CUT COPPER PIPES, SUMP, AND STANDING WATER

N

50' 0' 50' 100'

SCALE: 1 INCH = 50 FEET
SCALE IN FEET
(approximate)

DATE: MAY 2023
DRAFTED BY: CMS

TURNKEY ENVIRONMENTAL RESTORATION, LLC
2558 HAMBURG TURNPIKE, SUITE 300, BUFFALO, NY 14218.
(716) 856-0599

JOB NO.: T0455-023-001

INVESTIGATION LOCATIONS AND AREAS OF CONCERN

PHASE II ENVIRONMENTAL INVESTIGATION REPORT

619 EXCHANGE STREET
BUFFALO, NEW YORK

PREPARED FOR
PARK GROVE REALTY

FIGURE 2

DISCLAIMER:
PROPERTY OF TURNKEY ENVIRONMENTAL RESTORATION., LLC. IMPORTANT: THIS DRAWING PRINT IS LOANED FOR MUTUAL ASSISTANCE AND AS SUCH IS SUBJECT TO RECALL AT ANY TIME. INFORMATION CONTAINED HEREON IS NOT TO BE DISCLOSED OR REPRODUCED IN ANY FORM FOR THE BENEFIT OF PARTIES OTHER THAN NECESSARY SUBCONTRACTORS & SUPPLIERS WITHOUT THE WRITTEN CONSENT OF TURNKEY ENVIRONMENTAL RESTORATION., LLC.

APPENDIX A

SOIL BORING AND HAND AUGER LOGS

Project No: T0455-023-001

Borehole Number: HC-1

Project: Phase II Environmental Site Investigation

A.K.A.:

Client: Park Grove Realty

Logged By: CMS

Site Location: 619 Exchange Street

Checked By: BWM

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (%)	Symbol	PID VOCs ppm (0 – 12.5 – 25)	Lab Sample	Well Completion Details or Remarks
0.0	0.0 / 0.0	Ground Surface ***Concrete Slab***					0.0		
	-0.3 / 0.3	***Fill*** Black, mostly fine sand, some black fines, some black granulars, trace wood, trace white ash, trace gravel, trace red brick, no odors.							
	-1.0 / 1.0	End of Borehole							

Drilled By: Trec
Drill Rig Type: 420M
Drill Method: Direct Push
Comments:
Drill Date(s): 5/23/2023

Hole Size: 2"
Stick-up:
Datum:

Sheet: 1 of 1

Project No: T0455-023-001

Borehole Number: HC-2

Project: Phase II Environmental Site Investigation

A.K.A.:

Client: Park Grove Realty

Logged By: CMS

Site Location: 619 Exchange Street

Checked By: BWM

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (%)	Symbol	PID VOCs ppm (0 – 12.5 – 25)	Lab Sample	Well Completion Details or Remarks
0.0	0.0 / 0.0	Ground Surface ***Concrete Slab***							
	-0.5 / 0.5	***Fill*** Black, mostly fine sand, some black fines, some black granulars, some white ash, trace wood, trace gravel, no odors. Wet at 2.5 fbgs.					0.0 0.0 0.0	Sample Location	Observed water
	-3.0 / 3.0	***Clayey Sand*** Black to dark brown, wet, mostly fine sand, some medium plastic fines, low density, no odor.					0.0		
	-4.0 / 4.0	End of Borehole					0.0		

Drilled By: Trec
Drill Rig Type: 420M
Drill Method: Direct Push
Comments:
Drill Date(s): 5/23/2023

Hole Size: 2"
Stick-up:
Datum:

Sheet: 1 of 1

Project No: T0455-023-001

Borehole Number: HC-3

Project: Phase II Environmental Site Investigation

A.K.A.:

Client: Park Grove Realty

Logged By: CMS

Site Location: 619 Exchange Street

Checked By: BWM

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (%)	Symbol	PID VOCs ppm (0 – 12.5 – 25)	Lab Sample	Well Completion Details or Remarks
0.0	0.0 / 0.0	Ground Surface							
		Concrete Slab							
	-0.5 / 0.5	***Fill*** Black, mostly fine sand, some black fines, some black granulars, some white ash, some wood, trace gravel, no odors.					0.0	Sample Location	
	-1.0 / 1.0	***Clayey Sand*** Black to dark brown, wet, mostly fine sand, some medium plastic fines, low density, no odor.					0.0		
	-2.0 / 2.0	End of Borehole							

Drilled By: Trec
Drill Rig Type: 420M
Drill Method: Direct Push
Comments:
Drill Date(s): 5/23/2023

Hole Size: 2"
Stick-up:
Datum:

Sheet: 1 of 1

Project No: T0455-023-001

Borehole Number: SB-1

Project: Phase II Environmental Site Investigation

A.K.A.:

Client: Park Grove Realty

Logged By: CMS

Site Location: 619 Exchange Street

Checked By: BWM

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (%)	Symbol	PID VOCs ppm (0 – 12.5 – 25)	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
	0.0	***Concrete Slab***							
	-0.3								
	0.3	***Fill*** Black, mostly crushed gravel, some black fines, some black granulars, no odors.					0.0		
	-1.0								
	1.0	***Lean Clay*** Reddish brown, moist, mostly medium plastic fines, trace fine sand and gravel, very dense, no odors.					0.0		
		Equipment refusal due to tight clay.					0.0		
							0.0		
							0.0		
5.0							0.0		
	-6.0								
	6.0	End of Borehole							

Drilled By: Trec
Drill Rig Type: 420M
Drill Method: Direct Push
Comments:
Drill Date(s): 5/23/2023

Hole Size: 2"
Stick-up:
Datum:

Sheet: 1 of 1

Project No: T0455-023-001

Borehole Number: SB-2

Project: Phase II Environmental Site Investigation

A.K.A.:

Client: Park Grove Realty

Logged By: CMS

Site Location: 619 Exchange Street

Checked By: BWM

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (%)	Symbol	PID VOCs ppm (0 / 12.5 / 25)	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
	0.0	***Concrete Slab***							
	-0.3								
	0.3	***Fill*** Black, mostly crushed gravel, some black fines, some black granulars, no odors.						Sample Location	
	-1.0						0.0		
	1.0	***Lean Clay*** Reddish brown, moist, mostly medium plastic fines, trace fine sand and gravel, very dense, no odors. Equipment refusal due to tight clay.					0.0		
							0.0		
							0.0		
	-4.0								
	4.0	End of Borehole							

Drilled By: Trec
Drill Rig Type: 420M
Drill Method: Direct Push
Comments:
Drill Date(s): 5/23/2023

Hole Size: 2"
Stick-up:
Datum:

Sheet: 1 of 1

Project No: T0455-023-001

Borehole Number: SB-3

Project: Phase II Environmental Site Investigation

A.K.A.:

Client: Park Grove Realty

Logged By: CMS

Site Location: 619 Exchange Street

Checked By: BWM

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (%)	Symbol	PID VOCs ppm (0 – 12.5 – 25)	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
	0.0	***Concrete Slab***							
	-0.3								
	0.3	***Fill*** Black, mostly crushed gravel, some black fines, some black granulars, no odors.						Sample Location	
	-1.0						0.0		
	1.0	***Lean Clay*** Reddish brown, moist, mostly medium plastic fines, trace fine sand and gravel, very dense, no odors. Equipment refusal due to tight clay.					0.0		
							0.0		
	-4.0						0.0		
	4.0	End of Borehole							

Drilled By: Trec
Drill Rig Type: 420M
Drill Method: Direct Push
Comments:
Drill Date(s): 5/23/2023

Hole Size: 2"
Stick-up:
Datum:

Sheet: 1 of 1

Project No: T0455-023-001

Borehole Number: SB-4

Project: Phase II Environmental Site Investigation

A.K.A.:

Client: Park Grove Realty

Logged By: CMS

Site Location: 619 Exchange Street

Checked By: BWM

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (%)	Symbol	PID VOCs ppm (0 – 12.5 – 25)	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
	0.0	***Concrete Slab***							
	-0.3 / 0.3	***Fill*** Black, mostly crushed gravel, some black fines, some black granulars, no odors.					0.0		
	-1.0 / 1.0	***Lean Clay*** Reddish brown, moist, mostly medium plastic fines, trace fine sand and gravel, very dense, wet at 3.75 fbgs, no odors. Equipment refusal due to tight clay.					0.0		
							0.0		*Observed water*
	-4.0 / 4.0	End of Borehole					0.0		

Drilled By: Trec
Drill Rig Type: 420M
Drill Method: Direct Push
Comments:
Drill Date(s): 5/23/2023

Hole Size: 2"
Stick-up:
Datum:

Sheet: 1 of 1

Project No: T0455-023-001

Borehole Number: SB-5

Project: Phase II Environmental Site Investigation

A.K.A.:

Client: Park Grove Realty

Logged By: CMS

Site Location: 619 Exchange Street

Checked By: BWM

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (%)	Symbol	PID VOCs ppm (0 – 12.5 – 25)	Lab Sample	Well Completion Details or Remarks
0.0	0.0	Ground Surface							
	0.0	***Concrete Slab***					0.0		
	-0.3								
	0.3	***Fill*** Black, mostly crushed gravel, some black fines, some black granulars, no odors.						Sample Location	
	-1.0								
	1.0	***Lean Clay*** Reddish brown, moist, mostly medium plastic fines, trace fine sand and gravel, very dense, wet at 5 fbgs, no odors.					0.0		
		Equipment refusal due to tight clay.					0.0		
							0.0		
							0.0		
5.0							0.0		Observed water
	-6.0								
	6.0	End of Borehole					0.0		

Drilled By: Trec
Drill Rig Type: 420M
Drill Method: Direct Push
Comments:
Drill Date(s): 5/23/2023

Hole Size: 2"
Stick-up:
Datum:

Sheet: 1 of 1

Project No: T0455-023-001

Borehole Number: SB-6

Project: Phase II Environmental Site Investigation

A.K.A.:

Client: Park Grove Realty

Logged By: CMS

Site Location: 619 Exchange Street

Checked By: BWM

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (%)	Symbol	PID VOCs ppm (0 – 12.5 – 25)	Lab Sample	Well Completion Details or Remarks
0.0	0.0 / 0.0	Ground Surface ***Concrete Slab***					0.0		
	-0.5 / 0.5	***Fill*** Brown and black, mostly fine sand, some crushed gravel, some black fines, some black granulars, no odors. No additional advancement due to equipment failure.						Sample Location	
	-1.0 / 1.0	End of Borehole							

Drilled By: Trec
Drill Rig Type: 420M
Drill Method: Direct Push
Comments:
Drill Date(s): 5/23/2023

Hole Size: 2"
Stick-up:
Datum:

Sheet: 1 of 1

Project No: T0455-023-001

Borehole Number: SB-7

Project: Phase II Environmental Site Investigation

A.K.A.:

Client: Park Grove Realty

Logged By: CMS

Site Location: 619 Exchange Street

Checked By: BWM

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE			SAMPLE						
Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (%)	Symbol	PID VOCs ppm (0 / 12.5 / 25)	Lab Sample	Well Completion Details or Remarks
0.0	0.0 / 0.0	Ground Surface ***Concrete Slab***							
	-0.5 / 0.5	***Fill*** Black, mostly crushed gravel, some fine sand, some black fines, some black granulars, no odors.					0.0		
	-1.0 / 1.0	***Lean Clay*** Reddish brown, moist, mostly medium plastic fines, trace fine sand and gravel, very dense, no odors.					0.0		
							0.0		
	-4.0 / 4.0	End of Borehole					0.0		

Drilled By: Trec
Drill Rig Type: 420M
Drill Method: Direct Push
Comments:
Drill Date(s): 5/23/2023

Hole Size: 2"
Stick-up:
Datum:

Sheet: 1 of 1

Project No: T0455-023-001

Project: Phase II Environmental investigation Report

Client: Park Grove Realty

Site Location: 619 Exchange Street

Sample I.D.: SB-8

Logged By: CMS

Checked By: BWM

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE

Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Lithologic Symbol	PID VOCs (ppm: 0, 25, 50, 75, 100)	Lab Sample	Remarks
0.0	0.0	Ground Surface				
	0.0	***Concrete Slab***				
	-0.5 / 0.5	***Fill*** Brown and black, mostly fine sand, some crushed gravel, some black fines, some black granulars, no odors. Water at 1 fbgs.		0.0	Sample Location	*Observed water*
	-1.0 / 1.0	***Native Clay*** Reddish brown, mostly medium plastic fines, trace fine sand, dense.				
	-2.0 / 2.0	End of Test Pit		0.0		

Excavated By:

Excavator Type:

Excavation Date(s): Sampled 8/22/2023

Length: 4'

Width: 4'

Depth: >2'

Depth to Water: 1'

Visual Impacts: Black fill

Olfactory Observations: No

Comments: Previously completed structural test pit

-

--

Project No: T0455-023-001

Project: Phase II Environmental investigation Report

Client: Park Grove Realty

Site Location: 619 Exchange Street

Sample I.D.: SB-9

Logged By: CMS

Checked By: BWM

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE

Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Lithologic Symbol	PID VOCs (ppm: 0, 25, 50, 75, 100)	Lab Sample	Remarks
0.0	0.0	Ground Surface				
	0.0	***Concrete Slab***				
	-0.5 / 0.5	***Fill*** Brown and black, mostly fine sand, some crushed gravel, some black fines, some black granulars, no odors. Water at 1 fbgs.		0.0	Sample Location	*Observed water*
	-1.0 / 1.0	***Native Clay*** Reddish brown, mostly medium plastic fines, trace fine sand, dense.				
	-2.0 / 2.0	End of Test Pit		0.0		

Excavated By:

Excavator Type:

Excavation Date(s): Sampled 8/22/2023

Length: 4'

Width: 4'

Depth: >2'

Depth to Water: 1'

Visual Impacts: Black fill

Olfactory Observations: No

Comments: Previously completed structural test pit

-

--

Project No: T0455-023-001

Project: Phase II Environmental investigation Report

Client: Park Grove Realty

Site Location: 619 Exchange Street

Sample I.D.: SB-10

Logged By: CMS

Checked By: BWM

TurnKey Environmental Restoration, LLC
2558 Hamburg Turnpike, Suite 300
Buffalo, NY 14218
(716) 856-0635

SUBSURFACE PROFILE

Depth (fbgs)	Elev. /Depth	Description (ASTM D2488: Visual-Manual Procedure)	Lithologic Symbol	PID VOCs (ppm: 0, 25, 50, 75, 100)	Lab Sample	Remarks
0.0	0.0	Ground Surface				
	0.0	***Concrete Slab***				
	-0.5 / 0.5	***Fill*** Brown and black, mostly fine sand, some crushed gravel, some black fines, some black granulars, no odors. Water at 1 fbgs.		0.0	Sample Location	*Observed water*
	-1.0 / 1.0	***Native Clay*** Reddish brown, mostly medium plastic fines, trace fine sand, dense.				
	-2.0 / 2.0	End of Test Pit		0.0		

Excavated By:

Excavator Type:

Excavation Date(s): Sampled 8/22/2023

Length: 4'

Width: 4'

Depth: >2'

Depth to Water: 1'

Visual Impacts: Black fill

Olfactory Observations: No

Comments: Previously completed structural test pit

-

--

APPENDIX B

PHOTO LOG

SITE PHOTOGRAPHS

Photo 1:

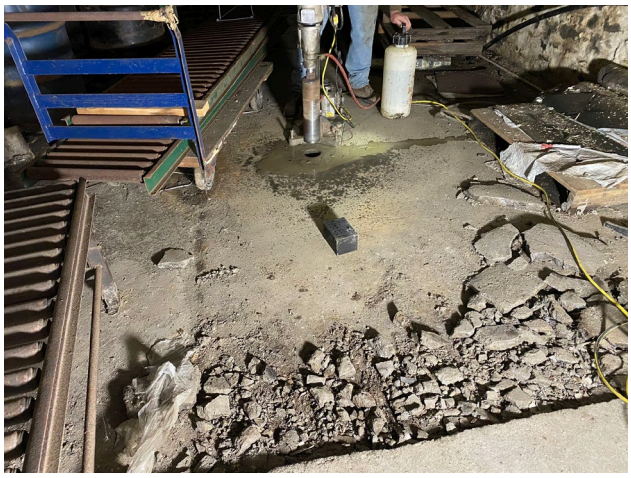


Photo 2:



Photo 3:

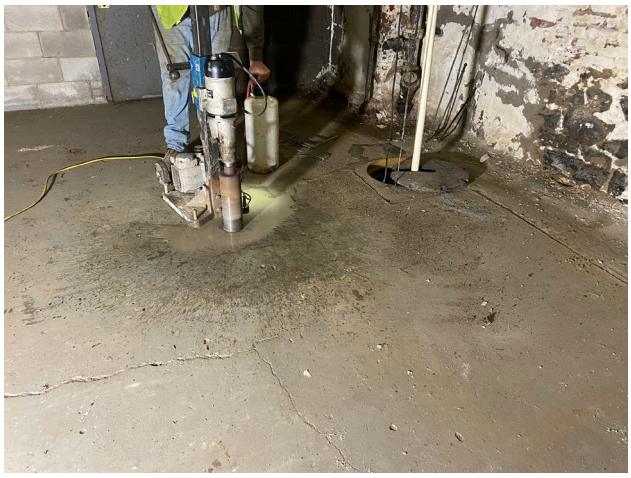


Photo 4:



Photo 1: View of the location of SB-2.

Photo 2: View of the typical fill material within SB-2.

Photo 3: View of the location of SB-3.

Photo 4: View of the typical fill material within SB-3.

SITE PHOTOGRAPHS

Photo 5:



Photo 6:



Photo 7:



Photo 8:



Photo 5: View of the location of SB-5.

Photo 6: View of the typical fill material within SB-5.

Photo 7: View of the location of SB-7.

Photo 8: View of the typical fill material within SB-7.

SITE PHOTOGRAPHS

Photo 9:



Photo 10:



Photo 11:



Photo 12:



Photo 9: View of the location of HC-2.

Photo 10: View of the typical fill material within HC-2.

Photo 11: View of the location of HC-3.

Photo 12: View of the typical fill material within HC-3.

SITE PHOTOGRAPHS

Photo 13:



Photo 14:



Photo 15:



Photo 13: View of the typical fill material at SB-8.

Photo 14: View of the typical fill material at SB-9.

Photo 15: View of the typical fill material at SB-10.

APPENDIX C

LABORATORY ANALYTICAL DATA SUMMARY PACKAGE

ANALYTICAL REPORT

Lab Number:	L2329081
Client:	Turnkey Environmental Restoration, LLC 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Bryan Mayback
Phone:	(716) 856-0599
Project Name:	PHASE II
Project Number:	T0455-023-001
Report Date:	06/14/23

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: PHASE II
Project Number: T0455-023-001

Lab Number: L2329081
Report Date: 06/14/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2329081-01	SB-2 0-0.75FT	SOIL	619 EXCHANGE STREET	05/23/23 10:00	05/24/23
L2329081-02	SB-3 0-0.75FT	SOIL	619 EXCHANGE STREET	05/23/23 11:00	05/24/23
L2329081-03	SB-5 0-0.75FT	SOIL	619 EXCHANGE STREET	05/23/23 11:30	05/24/23
L2329081-04	SB-7 0-0.75FT	SOIL	619 EXCHANGE STREET	05/23/23 13:30	05/24/23
L2329081-05	HC-2 0.5-2FT	SOIL	619 EXCHANGE STREET	05/23/23 14:30	05/24/23
L2329081-06	HC-3 0-1FT	SOIL	619 EXCHANGE STREET	05/23/23 15:00	05/24/23

Project Name:	PHASE II	**Lab Number:**	L2329081
Project Number:	T0455-023-001	**Report Date:**	06/14/23

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	PHASE II	**Lab Number:**	L2329081
Project Number:	T0455-023-001	**Report Date:**	06/14/23

Case Narrative (continued)

Report Submission

June 14, 2023: This final report includes the results of all requested analyses.

June 12, 2023: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

L2329081-02: The Client ID was supplied by the client.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Kelly Stenstrom

Title: Technical Director/Representative Date: 06/14/23

ORGANICS

SEMIVOLATILES

Project Name: PHASE II
Project Number: T0455-023-001
Lab Number: L2329081
Report Date: 06/14/23

SAMPLE RESULTS

Lab ID: L2329081-01
Client ID: SB-2 0-0.75FT
Sample Location: 619 EXCHANGE STREET
Date Collected: 05/23/23 10:00
Date Received: 05/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 06/01/23 16:19
Analyst: EK
Percent Solids: 75%
Extraction Method: EPA 3546
Extraction Date: 05/31/23 18:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	180	23.	1
2-Chloronaphthalene	ND		ug/kg	220	22.	1
Fluoranthene	37	J	ug/kg	130	25.	1
Naphthalene	86	J	ug/kg	220	27.	1
Benzo(a)anthracene	37	J	ug/kg	130	25.	1
Benzo(a)pyrene	ND		ug/kg	180	53.	1
Benzo(b)fluoranthene	44	J	ug/kg	130	37.	1
Benzo(k)fluoranthene	ND		ug/kg	130	35.	1
Chrysene	35	J	ug/kg	130	23.	1
Acenaphthylene	ND		ug/kg	180	34.	1
Anthracene	ND		ug/kg	130	43.	1
Benzo(ghi)perylene	27	J	ug/kg	180	26.	1
Fluorene	ND		ug/kg	220	21.	1
Phenanthrene	52	J	ug/kg	130	27.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	30	J	ug/kg	180	30.	1
Pyrene	43	J	ug/kg	130	22.	1
2-Methylnaphthalene	96	J	ug/kg	260	26.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	40		23-120
2-Fluorobiphenyl	32		30-120
4-Terphenyl-d14	28		18-120

Project Name: PHASE II
Project Number: T0455-023-001
Lab Number: L2329081
Report Date: 06/14/23

SAMPLE RESULTS

Lab ID: L2329081-02
Client ID: SB-3 0-0.75FT
Sample Location: 619 EXCHANGE STREET

Date Collected: 05/23/23 11:00
Date Received: 05/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 06/01/23 15:55
Analyst: EK
Percent Solids: 76%

Extraction Method: EPA 3546
Extraction Date: 05/31/23 18:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	54	J	ug/kg	170	23.	1
2-Chloronaphthalene	ND		ug/kg	220	22.	1
Fluoranthene	2100		ug/kg	130	25.	1
Naphthalene	190	J	ug/kg	220	27.	1
Benzo(a)anthracene	2700		ug/kg	130	25.	1
Benzo(a)pyrene	2900		ug/kg	170	53.	1
Benzo(b)fluoranthene	2900		ug/kg	130	37.	1
Benzo(k)fluoranthene	860		ug/kg	130	35.	1
Chrysene	2300		ug/kg	130	23.	1
Acenaphthylene	150	J	ug/kg	170	34.	1
Anthracene	580		ug/kg	130	43.	1
Benzo(ghi)perylene	1600		ug/kg	170	26.	1
Fluorene	82	J	ug/kg	220	21.	1
Phenanthrene	1300		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	480		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	2100		ug/kg	170	30.	1
Pyrene	2300		ug/kg	130	22.	1
2-Methylnaphthalene	140	J	ug/kg	260	26.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	87		23-120
2-Fluorobiphenyl	69		30-120
4-Terphenyl-d14	63		18-120

Project Name: PHASE II
Project Number: T0455-023-001
Lab Number: L2329081
Report Date: 06/14/23

SAMPLE RESULTS

Lab ID: L2329081-03
Client ID: SB-5 0-0.75FT
Sample Location: 619 EXCHANGE STREET

Date Collected: 05/23/23 11:30
Date Received: 05/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 06/01/23 15:31
Analyst: EK
Percent Solids: 68%

Extraction Method: EPA 3546
Extraction Date: 05/31/23 18:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	190	25.	1
2-Chloronaphthalene	ND		ug/kg	240	24.	1
Fluoranthene	110	J	ug/kg	140	28.	1
Naphthalene	ND		ug/kg	240	29.	1
Benzo(a)anthracene	48	J	ug/kg	140	27.	1
Benzo(a)pyrene	ND		ug/kg	190	59.	1
Benzo(b)fluoranthene	51	J	ug/kg	140	40.	1
Benzo(k)fluoranthene	ND		ug/kg	140	38.	1
Chrysene	46	J	ug/kg	140	25.	1
Acenaphthylene	ND		ug/kg	190	37.	1
Anthracene	ND		ug/kg	140	47.	1
Benzo(ghi)perylene	ND		ug/kg	190	28.	1
Fluorene	ND		ug/kg	240	23.	1
Phenanthrene	94	J	ug/kg	140	29.	1
Dibenzo(a,h)anthracene	ND		ug/kg	140	28.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	190	34.	1
Pyrene	82	J	ug/kg	140	24.	1
2-Methylnaphthalene	ND		ug/kg	290	29.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	103		23-120
2-Fluorobiphenyl	83		30-120
4-Terphenyl-d14	79		18-120

Project Name: PHASE II
Project Number: T0455-023-001
Lab Number: L2329081
Report Date: 06/14/23

SAMPLE RESULTS

Lab ID: L2329081-04
Client ID: SB-7 0-0.75FT
Sample Location: 619 EXCHANGE STREET

Date Collected: 05/23/23 13:30
Date Received: 05/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 06/01/23 15:06
Analyst: EK
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 05/31/23 18:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	26	J	ug/kg	170	22.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
Fluoranthene	510		ug/kg	130	24.	1
Naphthalene	73	J	ug/kg	210	26.	1
Benzo(a)anthracene	220		ug/kg	130	24.	1
Benzo(a)pyrene	180		ug/kg	170	52.	1
Benzo(b)fluoranthene	200		ug/kg	130	36.	1
Benzo(k)fluoranthene	70	J	ug/kg	130	34.	1
Chrysene	190		ug/kg	130	22.	1
Acenaphthylene	54	J	ug/kg	170	33.	1
Anthracene	120	J	ug/kg	130	41.	1
Benzo(ghi)perylene	90	J	ug/kg	170	25.	1
Fluorene	74	J	ug/kg	210	20.	1
Phenanthrene	510		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	24.	1
Indeno(1,2,3-cd)pyrene	110	J	ug/kg	170	30.	1
Pyrene	400		ug/kg	130	21.	1
2-Methylnaphthalene	60	J	ug/kg	250	26.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	73		30-120
4-Terphenyl-d14	66		18-120

Project Name: PHASE II
Project Number: T0455-023-001
Lab Number: L2329081
Report Date: 06/14/23

SAMPLE RESULTS

Lab ID: L2329081-05
Client ID: HC-2 0.5-2FT
Sample Location: 619 EXCHANGE STREET

Date Collected: 05/23/23 14:30
Date Received: 05/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 06/01/23 14:42
Analyst: EK
Percent Solids: 79%

Extraction Method: EPA 3546
Extraction Date: 05/31/23 18:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	61	J	ug/kg	170	22.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
Fluoranthene	540		ug/kg	120	24.	1
Naphthalene	240		ug/kg	210	25.	1
Benzo(a)anthracene	280		ug/kg	120	23.	1
Benzo(a)pyrene	180		ug/kg	170	51.	1
Benzo(b)fluoranthene	260		ug/kg	120	35.	1
Benzo(k)fluoranthene	82	J	ug/kg	120	33.	1
Chrysene	280		ug/kg	120	22.	1
Acenaphthylene	46	J	ug/kg	170	32.	1
Anthracene	160		ug/kg	120	41.	1
Benzo(ghi)perylene	120	J	ug/kg	170	24.	1
Fluorene	95	J	ug/kg	210	20.	1
Phenanthrene	640		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	28	J	ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	130	J	ug/kg	170	29.	1
Pyrene	420		ug/kg	120	21.	1
2-Methylnaphthalene	200	J	ug/kg	250	25.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	96		23-120
2-Fluorobiphenyl	75		30-120
4-Terphenyl-d14	65		18-120

Project Name: PHASE II
Project Number: T0455-023-001
Lab Number: L2329081
Report Date: 06/14/23

SAMPLE RESULTS

Lab ID: L2329081-06
Client ID: HC-3 0-1FT
Sample Location: 619 EXCHANGE STREET

Date Collected: 05/23/23 15:00
Date Received: 05/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 06/01/23 14:17
Analyst: EK
Percent Solids: 80%

Extraction Method: EPA 3546
Extraction Date: 05/31/23 18:50

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	160		ug/kg	160	21.	1
2-Chloronaphthalene	ND		ug/kg	210	20.	1
Fluoranthene	1300		ug/kg	120	24.	1
Naphthalene	100	J	ug/kg	210	25.	1
Benzo(a)anthracene	540		ug/kg	120	23.	1
Benzo(a)pyrene	460		ug/kg	160	50.	1
Benzo(b)fluoranthene	550		ug/kg	120	35.	1
Benzo(k)fluoranthene	150		ug/kg	120	33.	1
Chrysene	520		ug/kg	120	21.	1
Acenaphthylene	37	J	ug/kg	160	32.	1
Anthracene	280		ug/kg	120	40.	1
Benzo(ghi)perylene	230		ug/kg	160	24.	1
Fluorene	160	J	ug/kg	210	20.	1
Phenanthrene	1200		ug/kg	120	25.	1
Dibenzo(a,h)anthracene	57	J	ug/kg	120	24.	1
Indeno(1,2,3-cd)pyrene	290		ug/kg	160	29.	1
Pyrene	1100		ug/kg	120	20.	1
2-Methylnaphthalene	110	J	ug/kg	250	25.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	71		23-120
2-Fluorobiphenyl	58		30-120
4-Terphenyl-d14	55		18-120

Project Name: PHASE II
Project Number: T0455-023-001

Lab Number: L2329081
Report Date: 06/14/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 05/31/23 11:45
Analyst: LJG

Extraction Method: EPA 3546
Extraction Date: 05/31/23 04:25

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-06 Batch: WG1785166-1					
Acenaphthene	ND		ug/kg	130	17.
2-Chloronaphthalene	ND		ug/kg	160	16.
Fluoranthene	ND		ug/kg	100	19.
Naphthalene	ND		ug/kg	160	20.
Benzo(a)anthracene	ND		ug/kg	100	19.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	100	28.
Benzo(k)fluoranthene	ND		ug/kg	100	26.
Chrysene	ND		ug/kg	100	17.
Acenaphthylene	ND		ug/kg	130	26.
Anthracene	ND		ug/kg	100	32.
Benzo(ghi)perylene	ND		ug/kg	130	20.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	100	20.
Dibenzo(a,h)anthracene	ND		ug/kg	100	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	100	16.
2-Methylnaphthalene	ND		ug/kg	200	20.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	107		23-120
2-Fluorobiphenyl	85		30-120
4-Terphenyl-d14	90		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: PHASE II
Project Number: T0455-023-001

Lab Number: L2329081
Report Date: 06/14/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1785166-2 WG1785166-3								
Acenaphthene	53		66		31-137	22		50
2-Chloronaphthalene	58		72		40-140	22		50
Fluoranthene	56		69		40-140	21		50
Naphthalene	56		70		40-140	22		50
Benzo(a)anthracene	56		69		40-140	21		50
Benzo(a)pyrene	58		71		40-140	20		50
Benzo(b)fluoranthene	56		67		40-140	18		50
Benzo(k)fluoranthene	52		63		40-140	19		50
Chrysene	56		67		40-140	18		50
Acenaphthylene	65		78		40-140	18		50
Anthracene	55		66		40-140	18		50
Benzo(ghi)perylene	53		65		40-140	20		50
Fluorene	56		67		40-140	18		50
Phenanthrene	54		65		40-140	18		50
Dibenzo(a,h)anthracene	51		63		40-140	21		50
Indeno(1,2,3-cd)pyrene	56		69		40-140	21		50
Pyrene	57		68		35-142	18		50
2-Methylnaphthalene	59		72		40-140	20		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: PHASE II

Project Number: T0455-023-001

Lab Number: L2329081

Report Date: 06/14/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-06 Batch: WG1785166-2 WG1785166-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Nitrobenzene-d5	74		88		23-120
2-Fluorobiphenyl	57		70		30-120
4-Terphenyl-d14	53		62		18-120

METALS

Project Name: PHASE II **Lab Number:** L2329081

Project Number: T0455-023-001 **Report Date:** 06/14/23

SAMPLE RESULTS

Lab ID: L2329081-01 Date Collected: 05/23/23 10:00

Client ID: SB-2 0-0.75FT Date Received: 05/24/23

Sample Location: 619 EXCHANGE STREET Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	64.4		mg/kg	0.504	0.105	1	06/06/23 22:40	06/12/23 07:07	EPA 3050B	1,6010D	DHL
Barium, Total	91.7		mg/kg	0.504	0.088	1	06/06/23 22:40	06/12/23 07:07	EPA 3050B	1,6010D	DHL
Cadmium, Total	0.331	J	mg/kg	0.504	0.049	1	06/06/23 22:40	06/12/23 07:07	EPA 3050B	1,6010D	DHL
Chromium, Total	7.77		mg/kg	0.504	0.048	1	06/06/23 22:40	06/12/23 07:07	EPA 3050B	1,6010D	DHL
Lead, Total	67.6		mg/kg	2.52	0.135	1	06/06/23 22:40	06/12/23 07:07	EPA 3050B	1,6010D	DHL
Mercury, Total	0.088	J	mg/kg	0.098	0.064	1	06/06/23 23:56	06/13/23 21:41	EPA 7471B	1,7471B	DMB
Selenium, Total	1.44		mg/kg	1.01	0.130	1	06/06/23 22:40	06/12/23 07:07	EPA 3050B	1,6010D	DHL
Silver, Total	ND		mg/kg	0.252	0.142	1	06/06/23 22:40	06/12/23 07:07	EPA 3050B	1,6010D	DHL

Project Name: PHASE II **Lab Number:** L2329081

Project Number: T0455-023-001 **Report Date:** 06/14/23

SAMPLE RESULTS

Lab ID: L2329081-02 Date Collected: 05/23/23 11:00

Client ID: SB-3 0-0.75FT Date Received: 05/24/23

Sample Location: 619 EXCHANGE STREET Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 76%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	6.30		mg/kg	0.517	0.107	1	06/06/23 22:40	06/12/23 07:10	EPA 3050B	1,6010D	DHL
Barium, Total	87.0		mg/kg	0.517	0.090	1	06/06/23 22:40	06/12/23 07:10	EPA 3050B	1,6010D	DHL
Cadmium, Total	0.124	J	mg/kg	0.517	0.051	1	06/06/23 22:40	06/12/23 07:10	EPA 3050B	1,6010D	DHL
Chromium, Total	10.5		mg/kg	0.517	0.050	1	06/06/23 22:40	06/12/23 07:10	EPA 3050B	1,6010D	DHL
Lead, Total	16.8		mg/kg	2.58	0.138	1	06/06/23 22:40	06/12/23 07:10	EPA 3050B	1,6010D	DHL
Mercury, Total	ND		mg/kg	0.088	0.057	1	06/06/23 23:56	06/13/23 21:44	EPA 7471B	1,7471B	DMB
Selenium, Total	0.277	J	mg/kg	1.03	0.133	1	06/06/23 22:40	06/12/23 07:10	EPA 3050B	1,6010D	DHL
Silver, Total	ND		mg/kg	0.258	0.146	1	06/06/23 22:40	06/12/23 07:10	EPA 3050B	1,6010D	DHL

Project Name: PHASE II **Lab Number:** L2329081

Project Number: T0455-023-001 **Report Date:** 06/14/23

SAMPLE RESULTS

Lab ID: L2329081-03 Date Collected: 05/23/23 11:30

Client ID: SB-5 0-0.75FT Date Received: 05/24/23

Sample Location: 619 EXCHANGE STREET Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 68%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	11.5		mg/kg	0.584	0.121	1	06/06/23 22:40	06/12/23 07:13	EPA 3050B	1,6010D	DHL
Barium, Total	99.7		mg/kg	0.584	0.102	1	06/06/23 22:40	06/12/23 07:13	EPA 3050B	1,6010D	DHL
Cadmium, Total	0.218	J	mg/kg	0.584	0.057	1	06/06/23 22:40	06/12/23 07:13	EPA 3050B	1,6010D	DHL
Chromium, Total	10.2		mg/kg	0.584	0.056	1	06/06/23 22:40	06/12/23 07:13	EPA 3050B	1,6010D	DHL
Lead, Total	56.1		mg/kg	2.92	0.156	1	06/06/23 22:40	06/12/23 07:13	EPA 3050B	1,6010D	DHL
Mercury, Total	ND		mg/kg	0.10	0.065	1	06/06/23 23:56	06/13/23 21:47	EPA 7471B	1,7471B	DMB
Selenium, Total	0.399	J	mg/kg	1.17	0.151	1	06/06/23 22:40	06/12/23 07:13	EPA 3050B	1,6010D	DHL
Silver, Total	0.192	J	mg/kg	0.292	0.165	1	06/06/23 22:40	06/12/23 07:13	EPA 3050B	1,6010D	DHL

Project Name: PHASE II **Lab Number:** L2329081

Project Number: T0455-023-001 **Report Date:** 06/14/23

SAMPLE RESULTS

Lab ID: L2329081-04 Date Collected: 05/23/23 13:30

Client ID: SB-7 0-0.75FT Date Received: 05/24/23

Sample Location: 619 EXCHANGE STREET Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	18.0		mg/kg	0.517	0.108	1	06/06/23 22:40	06/12/23 07:35	EPA 3050B	1,6010D	DHL
Barium, Total	86.3		mg/kg	0.517	0.090	1	06/06/23 22:40	06/12/23 07:35	EPA 3050B	1,6010D	DHL
Cadmium, Total	0.322	J	mg/kg	0.517	0.051	1	06/06/23 22:40	06/12/23 07:35	EPA 3050B	1,6010D	DHL
Chromium, Total	20.1		mg/kg	0.517	0.050	1	06/06/23 22:40	06/12/23 07:35	EPA 3050B	1,6010D	DHL
Lead, Total	237		mg/kg	2.59	0.139	1	06/06/23 22:40	06/12/23 07:35	EPA 3050B	1,6010D	DHL
Mercury, Total	0.453		mg/kg	0.091	0.059	1	06/06/23 23:56	06/13/23 21:51	EPA 7471B	1,7471B	DMB
Selenium, Total	4.02		mg/kg	1.03	0.133	1	06/06/23 22:40	06/12/23 07:35	EPA 3050B	1,6010D	DHL
Silver, Total	ND		mg/kg	0.259	0.146	1	06/06/23 22:40	06/12/23 07:35	EPA 3050B	1,6010D	DHL

Project Name: PHASE II
Project Number: T0455-023-001
Lab Number: L2329081
Report Date: 06/14/23

SAMPLE RESULTS

Lab ID: L2329081-05
Client ID: HC-2 0.5-2FT
Sample Location: 619 EXCHANGE STREET
Date Collected: 05/23/23 14:30
Date Received: 05/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 79%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	14.8		mg/kg	0.499	0.104	1	06/06/23 22:40	06/12/23 07:38	EPA 3050B	1,6010D	DHL
Barium, Total	68.5		mg/kg	0.499	0.087	1	06/06/23 22:40	06/12/23 07:38	EPA 3050B	1,6010D	DHL
Cadmium, Total	0.324	J	mg/kg	0.499	0.049	1	06/06/23 22:40	06/12/23 07:38	EPA 3050B	1,6010D	DHL
Chromium, Total	10.6		mg/kg	0.499	0.048	1	06/06/23 22:40	06/12/23 07:38	EPA 3050B	1,6010D	DHL
Lead, Total	286		mg/kg	2.50	0.134	1	06/06/23 22:40	06/12/23 07:38	EPA 3050B	1,6010D	DHL
Mercury, Total	2.53		mg/kg	0.082	0.053	1	06/06/23 23:56	06/13/23 21:54	EPA 7471B	1,7471B	DMB
Selenium, Total	4.03		mg/kg	0.998	0.129	1	06/06/23 22:40	06/12/23 07:38	EPA 3050B	1,6010D	DHL
Silver, Total	0.298		mg/kg	0.250	0.141	1	06/06/23 22:40	06/12/23 07:38	EPA 3050B	1,6010D	DHL

Project Name: PHASE II **Lab Number:** L2329081

Project Number: T0455-023-001 **Report Date:** 06/14/23

SAMPLE RESULTS

Lab ID: L2329081-06 Date Collected: 05/23/23 15:00

Client ID: HC-3 0-1FT Date Received: 05/24/23

Sample Location: 619 EXCHANGE STREET Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 80%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	22.1		mg/kg	0.490	0.102	1	06/06/23 22:40	06/12/23 07:41	EPA 3050B	1,6010D	DHL
Barium, Total	64.6		mg/kg	0.490	0.085	1	06/06/23 22:40	06/12/23 07:41	EPA 3050B	1,6010D	DHL
Cadmium, Total	0.636		mg/kg	0.490	0.048	1	06/06/23 22:40	06/12/23 07:41	EPA 3050B	1,6010D	DHL
Chromium, Total	7.57		mg/kg	0.490	0.047	1	06/06/23 22:40	06/12/23 07:41	EPA 3050B	1,6010D	DHL
Lead, Total	98.3		mg/kg	2.45	0.131	1	06/06/23 22:40	06/12/23 07:41	EPA 3050B	1,6010D	DHL
Mercury, Total	0.214		mg/kg	0.091	0.059	1	06/06/23 23:56	06/13/23 21:57	EPA 7471B	1,7471B	DMB
Selenium, Total	1.21		mg/kg	0.981	0.126	1	06/06/23 22:40	06/12/23 07:41	EPA 3050B	1,6010D	DHL
Silver, Total	ND		mg/kg	0.245	0.139	1	06/06/23 22:40	06/12/23 07:41	EPA 3050B	1,6010D	DHL

Project Name: PHASE II
Project Number: T0455-023-001
Lab Number: L2329081
Report Date: 06/14/23

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1787757-1										
Arsenic, Total	ND		mg/kg	0.400	0.083	1	06/06/23 22:40	06/07/23 11:32	1,6010D	AMW
Barium, Total	ND		mg/kg	0.400	0.070	1	06/06/23 22:40	06/07/23 11:32	1,6010D	AMW
Cadmium, Total	ND		mg/kg	0.400	0.039	1	06/06/23 22:40	06/07/23 11:32	1,6010D	AMW
Chromium, Total	ND		mg/kg	0.400	0.038	1	06/06/23 22:40	06/07/23 11:32	1,6010D	AMW
Lead, Total	ND		mg/kg	2.00	0.107	1	06/06/23 22:40	06/07/23 11:32	1,6010D	AMW
Selenium, Total	ND		mg/kg	0.800	0.103	1	06/06/23 22:40	06/07/23 11:32	1,6010D	AMW
Silver, Total	ND		mg/kg	0.200	0.113	1	06/06/23 22:40	06/07/23 11:32	1,6010D	AMW

Prep Information

Digestion Method: EPA 3050B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-06 Batch: WG1787796-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	06/06/23 23:56	06/13/23 21:01	1,7471B	DMB

Prep Information

Digestion Method: EPA 7471B

Lab Control Sample Analysis

Batch Quality Control

Project Name: PHASE II

Project Number: T0455-023-001

Lab Number: L2329081

Report Date: 06/14/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1787757-2 SRM Lot Number: D119-540								
Arsenic, Total	104		-		83-117	-		
Barium, Total	98		-		82-118	-		
Cadmium, Total	103		-		82-117	-		
Chromium, Total	104		-		82-119	-		
Lead, Total	103		-		82-118	-		
Selenium, Total	109		-		79-121	-		
Silver, Total	102		-		80-120	-		
Total Metals - Mansfield Lab Associated sample(s): 01-06 Batch: WG1787796-2 SRM Lot Number: D119-540								
Mercury, Total	92		-		73-127	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: PHASE II
Project Number: T0455-023-001

Lab Number: L2329081
Report Date: 06/14/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1787757-3 QC Sample: L2330521-01 Client ID: MS Sample												
Arsenic, Total	4.42	11.6	17.2	110		-	-		75-125	-		20
Barium, Total	98.8	193	374	**142**	Q	-	-		75-125	-		20
Cadmium, Total	0.516J	5.12	5.28	103		-	-		75-125	-		20
Chromium, Total	19.7	19.3	33.0	**69**	Q	-	-		75-125	-		20
Lead, Total	58.0	51.2	98.9	80		-	-		75-125	-		20
Selenium, Total	ND	11.6	12.3	106		-	-		75-125	-		20
Silver, Total	0.317J	4.83	5.22	108		-	-		75-125	-		20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1787796-3 QC Sample: L2330521-01 Client ID: MS Sample												
Mercury, Total	3.05	1.72	3.06	**1**	Q	-	-		80-120	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: PHASE II
Project Number: T0455-023-001

Lab Number: L2329081
Report Date: 06/14/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1787757-4 QC Sample: L2330521-01 Client ID: DUP Sample						
Arsenic, Total	4.42	4.75	mg/kg	7		20
Barium, Total	98.8	121	mg/kg	20		20
Cadmium, Total	0.516J	0.633J	mg/kg	NC		20
Chromium, Total	19.7	18.9	mg/kg	4		20
Lead, Total	58.0	63.9	mg/kg	10		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	0.317J	0.340J	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1787796-4 QC Sample: L2330521-01 Client ID: DUP Sample						
Mercury, Total	3.05	1.49	mg/kg	**69**	Q	20

Project Name: PHASE II
Project Number: T0455-023-001

Lab Serial Dilution Analysis
Batch Quality Control

Lab Number: L2329081
Report Date: 06/14/23

Parameter	Native Sample	Serial Dilution	Units	% D	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-06 QC Batch ID: WG1787757-6 QC Sample: L2330521-01 Client ID: DUP Sample						
Barium, Total	98.8	99.7	mg/kg	1		20

INORGANICS
&
MISCELLANEOUS

Project Name: PHASE II
Project Number: T0455-023-001

Lab Number: L2329081
Report Date: 06/14/23

SAMPLE RESULTS

Lab ID: L2329081-01
Client ID: SB-2 0-0.75FT
Sample Location: 619 EXCHANGE STREET

Date Collected: 05/23/23 10:00
Date Received: 05/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.0		%	0.100	NA	1	-	05/26/23 10:30	121,2540G	ROI

Project Name: PHASE II
Project Number: T0455-023-001

Lab Number: L2329081
Report Date: 06/14/23

SAMPLE RESULTS

Lab ID: L2329081-02
Client ID: SB-3 0-0.75FT
Sample Location: 619 EXCHANGE STREET

Date Collected: 05/23/23 11:00
Date Received: 05/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	75.7		%	0.100	NA	1	-	05/26/23 10:30	121,2540G	ROI

Project Name: PHASE II
Project Number: T0455-023-001

Lab Number: L2329081
Report Date: 06/14/23

SAMPLE RESULTS

Lab ID: L2329081-03
Client ID: SB-5 0-0.75FT
Sample Location: 619 EXCHANGE STREET

Date Collected: 05/23/23 11:30
Date Received: 05/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	67.7		%	0.100	NA	1	-	05/26/23 10:30	121,2540G	ROI

Project Name: PHASE II
Project Number: T0455-023-001

Lab Number: L2329081
Report Date: 06/14/23

SAMPLE RESULTS

Lab ID: L2329081-04
Client ID: SB-7 0-0.75FT
Sample Location: 619 EXCHANGE STREET

Date Collected: 05/23/23 13:30
Date Received: 05/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	76.7		%	0.100	NA	1	-	05/26/23 10:30	121,2540G	ROI

Project Name: PHASE II
Project Number: T0455-023-001

Lab Number: L2329081
Report Date: 06/14/23

SAMPLE RESULTS

Lab ID: L2329081-05
Client ID: HC-2 0.5-2FT
Sample Location: 619 EXCHANGE STREET

Date Collected: 05/23/23 14:30
Date Received: 05/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	78.8		%	0.100	NA	1	-	05/26/23 10:30	121,2540G	ROI

Project Name: PHASE II
Project Number: T0455-023-001

Lab Number: L2329081
Report Date: 06/14/23

SAMPLE RESULTS

Lab ID: L2329081-06
Client ID: HC-3 0-1FT
Sample Location: 619 EXCHANGE STREET

Date Collected: 05/23/23 15:00
Date Received: 05/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	79.5		%	0.100	NA	1	-	05/26/23 10:30	121,2540G	ROI

Lab Duplicate Analysis

Batch Quality Control

Project Name: PHASE II

Project Number: T0455-023-001

Lab Number: L2329081

Report Date: 06/14/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-06 QC Batch ID: WG1783762-1 QC Sample: L2329081-01 Client ID: SB-2 0-0.75FT						
Solids, Total	75.0	74.0	%	1		20

Project Name: PHASE II
Project Number: T0455-023-001

Lab Number: L2329081
Report Date: 06/14/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2329081-01A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L2329081-01B	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-PAH(14),TS(7)
L2329081-02A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L2329081-02B	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-PAH(14),TS(7)
L2329081-03A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),SE-TI(180),PB-TI(180),HG-T(28),CD-TI(180)
L2329081-03B	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-PAH(14),TS(7)
L2329081-04A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L2329081-04B	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-PAH(14),TS(7)
L2329081-05A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L2329081-05B	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-PAH(14),TS(7)
L2329081-06A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),SE-TI(180),PB-TI(180),HG-T(28),CD-TI(180)
L2329081-06B	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-PAH(14),TS(7)

*Values in parentheses indicate holding time in days

Project Name:	PHASE II	**Lab Number:**	L2329081
Project Number:	T0455-023-001	**Report Date:**	06/14/23

GLOSSARY

Acronyms

DL - Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

EDL - Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).

EMPC - Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.

EPA - Environmental Protection Agency.

LCS - Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LCSD - Laboratory Control Sample Duplicate: Refer to LCS.

LFB - Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.

LOD - Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

LOQ - Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)

MDL - Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

MS - Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.

MSD - Matrix Spike Sample Duplicate: Refer to MS.

NA - Not Applicable.

NC - Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.

NDPA/DPA - N-Nitrosodiphenylamine/Diphenylamine.

NI - Not Ignitable.

NP - Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.

NR - No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.

RL - Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.

RPD - Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.

SRM - Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.

STLP - Semi-dynamic Tank Leaching Procedure per EPA Method 1315.

TEF - Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.

TEQ - Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.

TIC - Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	PHASE II	**Lab Number:**	L2329081
Project Number:	T0455-023-001	**Report Date:**	06/14/23

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	PHASE II	**Lab Number:**	L2329081
Project Number:	T0455-023-001	**Report Date:**	06/14/23

Data Qualifiers

Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Project Name:	PHASE II	**Lab Number:**	L2329081
Project Number:	T0455-023-001	**Report Date:**	06/14/23

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624/624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625/625.1: alpha-Terpineol
EPA 8260C/8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270D/8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS
EPA 8082A: NPW: PCB: 1, 5, 31, 87,101, 110, 141, 151, 153, 180, 183, 187.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 332: Perchlorate; **EPA 524.2:** THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N, **SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables), **EPA 600/4-81-045**: PCB-Oil.
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb, As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 5/25/23

ALPHA Job #: L2321081

Client Information
Client: TURNKEY
Address: 2558 HAMBURG TRPK
BUFFALO, NY 14218
Phone: 716-856-0599
Fax:
Email: bmayback@bm-hk.com

Project Information
Project Name: PHASE II
Project Location: 619 EXCHANGE STREET
Project #: T0455-023-001
(Use Project name as Project #) ☐
Project Manager: BRYAN MAYBACK
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☒ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ANALYSIS

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PAHs	RCRA METAL	Sample Specific Comments	Total Bottle
21081-01	SB-2 0-0.75ft	5/23/23	1000	Soil	CS	X	X		2
02	SB- 0-0.75ft		1100			X	X		2
03	SB-5 0-0.75ft		1130			X	X		2
04	SB-7 0-0.75ft		1330			X	X		2
05	HC-2 0.5-2ft		1430			X	X		2
06	HC-3 0-1 ft		1500			X	X		2

Container Type: A A
Preservative: A A

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Relinquished By:	Date/Time	Received By:	Date/Time
[signature]	5/24/23 1130	[signature]	5/24/23 17:00
[signature]	5/24/23 16:00	[signature]	5/25/23 0030

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

ANALYTICAL REPORT

Lab Number:	L2329082
Client:	Turnkey Environmental Restoration, LLC 2558 Hamburg Turnpike Suite 300 Buffalo, NY 14218
ATTN:	Bryan Mayback
Phone:	(716) 856-0599
Project Name:	PHASE II
Project Number:	T0455-023-001
Report Date:	07/07/23

The original project report/data package is held by Alpha Analytical. This report/data package is paginated and should be reproduced only in its entirety. Alpha Analytical holds no responsibility for results and/or data that are not consistent with the original.

Certifications & Approvals: MA (M-MA086), NH NELAP (2064), CT (PH-0826), IL (200077), IN (C-MA-03), KY (KY98045), ME (MA00086), MD (348), NJ (MA935), NY (11148), NC (25700/666), OH (CL108), OR (MA-1316), PA (68-03671), RI (LAO00065), TX (T104704476), VT (VT-0935), VA (460195), USDA (Permit #525-23-122-91930).

Eight Walkup Drive, Westborough, MA 01581-1019
508-898-9220 (Fax) 508-898-9193 800-624-9220 - www.alphalab.com

Project Name: PHASE II
Project Number: T0455-023-001

Lab Number: L2329082
Report Date: 07/07/23

Alpha Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2329082-01	SB-1 0-0.75FT	SOIL	619 EXCHANGE STREET	05/23/23 09:30	05/24/23
L2329082-02	SB-4 0-0.75FT	SOIL	619 EXCHANGE STREET	05/23/23 10:30	05/24/23
L2329082-03	SB-6 0-1FT	SOIL	619 EXCHANGE STREET	05/23/23 12:00	05/24/23
L2329082-04	HC-1 0-0.75FT	SOIL	619 EXCHANGE STREET	05/23/23 14:00	05/24/23

Project Name:	PHASE II	**Lab Number:**	L2329082
Project Number:	T0455-023-001	**Report Date:**	07/07/23

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Alpha Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively.

When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances, the specific failure is not narrated but noted in the associated QC Outlier Summary Report, located directly after the Case Narrative. QC information is also incorporated in the Data Usability Assessment table (Format 11) of our Data Merger tool, where it can be reviewed in conjunction with the sample result, associated regulatory criteria and any associated data usability implications.

Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

HOLD POLICY - For samples submitted on hold, Alpha's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Alpha Project Manager and made arrangements for Alpha to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Project Management at 800-624-9220 with any questions.

Project Name:	PHASE II	**Lab Number:**	L2329082
Project Number:	T0455-023-001	**Report Date:**	07/07/23

Case Narrative (continued)

Report Submission

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

Sample Receipt

The analyses performed were specified by the client.

Semivolatile Organics

With the client's authorization, L2329082-01 through -04 were extracted with the method required holding time exceeded.

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: Cristin Walker

Title: Technical Director/Representative Date: 07/07/23

ORGANICS

SEMIVOLATILES

Project Name: PHASE II
Project Number: T0455-023-001
Lab Number: L2329082
Report Date: 07/07/23

SAMPLE RESULTS

Lab ID: L2329082-01
Client ID: SB-1 0-0.75FT
Sample Location: 619 EXCHANGE STREET

Date Collected: 05/23/23 09:30
Date Received: 05/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 06/29/23 19:20
Analyst: JG
Percent Solids: 75%

Extraction Method: EPA 3546
Extraction Date: 06/20/23 00:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	170	23.	1
2-Chloronaphthalene	ND		ug/kg	220	22.	1
Fluoranthene	58	J	ug/kg	130	25.	1
Naphthalene	120	J	ug/kg	220	27.	1
Benzo(a)anthracene	64	J	ug/kg	130	24.	1
Benzo(a)pyrene	120	J	ug/kg	170	53.	1
Benzo(b)fluoranthene	120	J	ug/kg	130	37.	1
Benzo(k)fluoranthene	43	J	ug/kg	130	35.	1
Chrysene	62	J	ug/kg	130	23.	1
Acenaphthylene	ND		ug/kg	170	34.	1
Anthracene	ND		ug/kg	130	42.	1
Benzo(ghi)perylene	90	J	ug/kg	170	26.	1
Fluorene	ND		ug/kg	220	21.	1
Phenanthrene	56	J	ug/kg	130	26.	1
Dibenzo(a,h)anthracene	ND		ug/kg	130	25.	1
Indeno(1,2,3-cd)pyrene	77	J	ug/kg	170	30.	1
Pyrene	60	J	ug/kg	130	22.	1
2-Methylnaphthalene	95	J	ug/kg	260	26.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	102		23-120
2-Fluorobiphenyl	80		30-120
4-Terphenyl-d14	75		18-120

Project Name: PHASE II
Project Number: T0455-023-001
Lab Number: L2329082
Report Date: 07/07/23

SAMPLE RESULTS

Lab ID: L2329082-02
Client ID: SB-4 0-0.75FT
Sample Location: 619 EXCHANGE STREET

Date Collected: 05/23/23 10:30
Date Received: 05/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 06/29/23 19:37
Analyst: JG
Percent Solids: 71%

Extraction Method: EPA 3546
Extraction Date: 06/20/23 00:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	180	24.	1
2-Chloronaphthalene	ND		ug/kg	230	23.	1
Fluoranthene	ND		ug/kg	140	26.	1
Naphthalene	ND		ug/kg	230	28.	1
Benzo(a)anthracene	ND		ug/kg	140	26.	1
Benzo(a)pyrene	ND		ug/kg	180	56.	1
Benzo(b)fluoranthene	ND		ug/kg	140	39.	1
Benzo(k)fluoranthene	ND		ug/kg	140	37.	1
Chrysene	ND		ug/kg	140	24.	1
Acenaphthylene	ND		ug/kg	180	36.	1
Anthracene	ND		ug/kg	140	45.	1
Benzo(ghi)perylene	ND		ug/kg	180	27.	1
Fluorene	ND		ug/kg	230	22.	1
Phenanthrene	ND		ug/kg	140	28.	1
Dibenzo(a,h)anthracene	ND		ug/kg	140	27.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	180	32.	1
Pyrene	ND		ug/kg	140	23.	1
2-Methylnaphthalene	ND		ug/kg	280	28.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	94		23-120
2-Fluorobiphenyl	72		30-120
4-Terphenyl-d14	70		18-120

Project Name: PHASE II
Project Number: T0455-023-001
Lab Number: L2329082
Report Date: 07/07/23

SAMPLE RESULTS

Lab ID: L2329082-03
Client ID: SB-6 0-1FT
Sample Location: 619 EXCHANGE STREET

Date Collected: 05/23/23 12:00
Date Received: 05/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 06/29/23 19:54
Analyst: JG
Percent Solids: 90%

Extraction Method: EPA 3546
Extraction Date: 06/20/23 00:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	ND		ug/kg	140	19.	1
2-Chloronaphthalene	ND		ug/kg	180	18.	1
Fluoranthene	36	J	ug/kg	110	21.	1
Naphthalene	52	J	ug/kg	180	22.	1
Benzo(a)anthracene	24	J	ug/kg	110	20.	1
Benzo(a)pyrene	ND		ug/kg	140	44.	1
Benzo(b)fluoranthene	ND		ug/kg	110	30.	1
Benzo(k)fluoranthene	ND		ug/kg	110	29.	1
Chrysene	24	J	ug/kg	110	19.	1
Acenaphthylene	ND		ug/kg	140	28.	1
Anthracene	ND		ug/kg	110	35.	1
Benzo(ghi)perylene	ND		ug/kg	140	21.	1
Fluorene	ND		ug/kg	180	17.	1
Phenanthrene	34	J	ug/kg	110	22.	1
Dibenzo(a,h)anthracene	ND		ug/kg	110	21.	1
Indeno(1,2,3-cd)pyrene	ND		ug/kg	140	25.	1
Pyrene	34	J	ug/kg	110	18.	1
2-Methylnaphthalene	ND		ug/kg	220	22.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	101		23-120
2-Fluorobiphenyl	72		30-120
4-Terphenyl-d14	67		18-120

Project Name: PHASE II
Project Number: T0455-023-001
Lab Number: L2329082
Report Date: 07/07/23

SAMPLE RESULTS

Lab ID: L2329082-04
Client ID: HC-1 0-0.75FT
Sample Location: 619 EXCHANGE STREET

Date Collected: 05/23/23 14:00
Date Received: 05/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 06/29/23 20:11
Analyst: JG
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 06/20/23 00:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Acenaphthene	110	J	ug/kg	170	22.	1
2-Chloronaphthalene	ND		ug/kg	210	21.	1
Fluoranthene	9400	E	ug/kg	130	24.	1
Naphthalene	550		ug/kg	210	26.	1
Benzo(a)anthracene	5000		ug/kg	130	24.	1
Benzo(a)pyrene	3900		ug/kg	170	52.	1
Benzo(b)fluoranthene	4300		ug/kg	130	36.	1
Benzo(k)fluoranthene	2200		ug/kg	130	34.	1
Chrysene	4400		ug/kg	130	22.	1
Acenaphthylene	720		ug/kg	170	33.	1
Anthracene	1800		ug/kg	130	41.	1
Benzo(ghi)perylene	1600		ug/kg	170	25.	1
Fluorene	440		ug/kg	210	20.	1
Phenanthrene	7800		ug/kg	130	26.	1
Dibenzo(a,h)anthracene	620		ug/kg	130	24.	1
Indeno(1,2,3-cd)pyrene	1700		ug/kg	170	29.	1
Pyrene	7200		ug/kg	130	21.	1
2-Methylnaphthalene	380		ug/kg	250	26.	1

Surrogate	% Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	97		23-120
2-Fluorobiphenyl	72		30-120
4-Terphenyl-d14	62		18-120

Project Name: PHASE II
Project Number: T0455-023-001
Lab Number: L2329082
Report Date: 07/07/23

SAMPLE RESULTS

Lab ID: L2329082-04 D
Client ID: HC-1 0-0.75FT
Sample Location: 619 EXCHANGE STREET

Date Collected: 05/23/23 14:00
Date Received: 05/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Analytical Method: 1,8270E
Analytical Date: 07/01/23 12:07
Analyst: CMM
Percent Solids: 77%

Extraction Method: EPA 3546
Extraction Date: 06/20/23 00:16

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor
Semivolatile Organics by GC/MS - Westborough Lab						
Fluoranthene	8600		ug/kg	630	120	5

Project Name: PHASE II
Project Number: T0455-023-001
Lab Number: L2329082
Report Date: 07/07/23

Method Blank Analysis
Batch Quality Control

Analytical Method: 1,8270E
Analytical Date: 06/20/23 10:26
Analyst: LJG

Extraction Method: EPA 3546
Extraction Date: 06/19/23 21:50

Parameter	Result	Qualifier	Units	RL	MDL
Semivolatile Organics by GC/MS - Westborough Lab for sample(s): 01-04 Batch: WG1793401-1					
Acenaphthene	ND		ug/kg	130	17.
2-Chloronaphthalene	ND		ug/kg	160	16.
Fluoranthene	ND		ug/kg	98	19.
Naphthalene	ND		ug/kg	160	20.
Benzo(a)anthracene	ND		ug/kg	98	18.
Benzo(a)pyrene	ND		ug/kg	130	40.
Benzo(b)fluoranthene	ND		ug/kg	98	27.
Benzo(k)fluoranthene	ND		ug/kg	98	26.
Chrysene	ND		ug/kg	98	17.
Acenaphthylene	ND		ug/kg	130	25.
Anthracene	ND		ug/kg	98	32.
Benzo(ghi)perylene	ND		ug/kg	130	19.
Fluorene	ND		ug/kg	160	16.
Phenanthrene	ND		ug/kg	98	20.
Dibenzo(a,h)anthracene	ND		ug/kg	98	19.
Indeno(1,2,3-cd)pyrene	ND		ug/kg	130	23.
Pyrene	ND		ug/kg	98	16.
2-Methylnaphthalene	ND		ug/kg	200	20.

Surrogate	%Recovery	Qualifier	Acceptance Criteria
Nitrobenzene-d5	81		23-120
2-Fluorobiphenyl	71		30-120
4-Terphenyl-d14	72		18-120

Lab Control Sample Analysis
Batch Quality Control

Project Name: PHASE II
Project Number: T0455-023-001

Lab Number: L2329082
Report Date: 07/07/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1793401-2 WG1793401-3								
Acenaphthene	61		69		31-137	12		50
2-Chloronaphthalene	64		75		40-140	16		50
Fluoranthene	64		74		40-140	14		50
Naphthalene	59		68		40-140	14		50
Benzo(a)anthracene	62		71		40-140	14		50
Benzo(a)pyrene	65		75		40-140	14		50
Benzo(b)fluoranthene	63		71		40-140	12		50
Benzo(k)fluoranthene	58		67		40-140	14		50
Chrysene	58		67		40-140	14		50
Acenaphthylene	71		82		40-140	14		50
Anthracene	63		72		40-140	13		50
Benzo(ghi)perylene	61		70		40-140	14		50
Fluorene	66		74		40-140	11		50
Phenanthrene	61		69		40-140	12		50
Dibenzo(a,h)anthracene	62		71		40-140	14		50
Indeno(1,2,3-cd)pyrene	74		84		40-140	13		50
Pyrene	63		71		35-142	12		50
2-Methylnaphthalene	62		72		40-140	15		50

Lab Control Sample Analysis

Batch Quality Control

Project Name: PHASE II

Project Number: T0455-023-001

Lab Number: L2329082

Report Date: 07/07/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Semivolatile Organics by GC/MS - Westborough Lab Associated sample(s): 01-04 Batch: WG1793401-2 WG1793401-3								

Surrogate	LCS %Recovery	Qual	LCSD %Recovery	Qual	Acceptance Criteria
Nitrobenzene-d5	74		84		23-120
2-Fluorobiphenyl	66		76		30-120
4-Terphenyl-d14	64		71		18-120

METALS

Project Name: PHASE II
Project Number: T0455-023-001
Lab Number: L2329082
Report Date: 07/07/23

SAMPLE RESULTS

Lab ID: L2329082-01
Client ID: SB-1 0-0.75FT
Sample Location: 619 EXCHANGE STREET
Date Collected: 05/23/23 09:30
Date Received: 05/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 75%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	22.5		mg/kg	0.520	0.108	1	06/20/23 12:35	06/21/23 16:25	EPA 3050B	1,6010D	AMW
Barium, Total	72.9		mg/kg	0.520	0.090	1	06/20/23 12:35	06/21/23 16:25	EPA 3050B	1,6010D	AMW
Cadmium, Total	0.414	J	mg/kg	0.520	0.051	1	06/20/23 12:35	06/21/23 16:25	EPA 3050B	1,6010D	AMW
Chromium, Total	11.3		mg/kg	0.520	0.050	1	06/20/23 12:35	06/21/23 16:25	EPA 3050B	1,6010D	AMW
Lead, Total	21.4		mg/kg	2.60	0.139	1	06/20/23 12:35	06/21/23 16:25	EPA 3050B	1,6010D	AMW
Mercury, Total	ND		mg/kg	0.096	0.063	1	06/20/23 12:36	06/22/23 10:19	EPA 7471B	1,7471B	MJR
Selenium, Total	ND		mg/kg	1.04	0.134	1	06/20/23 12:35	06/21/23 16:25	EPA 3050B	1,6010D	AMW
Silver, Total	ND		mg/kg	0.260	0.147	1	06/20/23 12:35	06/21/23 16:25	EPA 3050B	1,6010D	AMW

Project Name: PHASE II **Lab Number:** L2329082

Project Number: T0455-023-001 **Report Date:** 07/07/23

SAMPLE RESULTS

Lab ID: L2329082-02 Date Collected: 05/23/23 10:30

Client ID: SB-4 0-0.75FT Date Received: 05/24/23

Sample Location: 619 EXCHANGE STREET Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 71%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	8.53		mg/kg	0.538	0.112	1	06/20/23 12:35	07/07/23 12:33	EPA 3050B	1,6010D	JMF
Barium, Total	161		mg/kg	0.538	0.094	1	06/20/23 12:35	07/07/23 12:33	EPA 3050B	1,6010D	JMF
Cadmium, Total	0.214	J	mg/kg	0.538	0.053	1	06/20/23 12:35	07/07/23 12:33	EPA 3050B	1,6010D	JMF
Chromium, Total	16.0		mg/kg	0.538	0.052	1	06/20/23 12:35	07/07/23 12:33	EPA 3050B	1,6010D	JMF
Lead, Total	45.3		mg/kg	2.69	0.144	1	06/20/23 12:35	07/07/23 12:33	EPA 3050B	1,6010D	JMF
Mercury, Total	ND		mg/kg	0.099	0.065	1	06/20/23 12:36	06/22/23 10:32	EPA 7471B	1,7471B	MJR
Selenium, Total	0.394	J	mg/kg	1.08	0.139	1	06/20/23 12:35	07/07/23 12:33	EPA 3050B	1,6010D	JMF
Silver, Total	ND		mg/kg	0.269	0.152	1	06/20/23 12:35	07/07/23 12:33	EPA 3050B	1,6010D	JMF

Project Name: PHASE II **Lab Number:** L2329082

Project Number: T0455-023-001 **Report Date:** 07/07/23

SAMPLE RESULTS

Lab ID: L2329082-03 Date Collected: 05/23/23 12:00

Client ID: SB-6 0-1FT Date Received: 05/24/23

Sample Location: 619 EXCHANGE STREET Field Prep: Not Specified

Sample Depth:

Matrix: Soil

Percent Solids: 90%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	5.61		mg/kg	0.436	0.091	1	06/20/23 12:35	07/07/23 12:37	EPA 3050B	1,6010D	JMF
Barium, Total	28.1		mg/kg	0.436	0.076	1	06/20/23 12:35	07/07/23 12:37	EPA 3050B	1,6010D	JMF
Cadmium, Total	0.233	J	mg/kg	0.436	0.043	1	06/20/23 12:35	07/07/23 12:37	EPA 3050B	1,6010D	JMF
Chromium, Total	6.38		mg/kg	0.436	0.042	1	06/20/23 12:35	07/07/23 12:37	EPA 3050B	1,6010D	JMF
Lead, Total	24.3		mg/kg	2.18	0.117	1	06/20/23 12:35	07/07/23 12:37	EPA 3050B	1,6010D	JMF
Mercury, Total	0.088		mg/kg	0.079	0.051	1	06/20/23 12:36	06/22/23 10:35	EPA 7471B	1,7471B	MJR
Selenium, Total	0.386	J	mg/kg	0.872	0.112	1	06/20/23 12:35	07/07/23 12:37	EPA 3050B	1,6010D	JMF
Silver, Total	0.173	J	mg/kg	0.218	0.123	1	06/20/23 12:35	07/07/23 12:37	EPA 3050B	1,6010D	JMF

Project Name: PHASE II
Project Number: T0455-023-001
Lab Number: L2329082
Report Date: 07/07/23

SAMPLE RESULTS

Lab ID: L2329082-04
Client ID: HC-1 0-0.75FT
Sample Location: 619 EXCHANGE STREET
Date Collected: 05/23/23 14:00
Date Received: 05/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil
Percent Solids: 77%

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Prep Method	Analytical Method	Analyst
Total Metals - Mansfield Lab											
Arsenic, Total	16.8		mg/kg	0.504	0.105	1	06/20/23 12:35	07/07/23 12:40	EPA 3050B	1,6010D	JMF
Barium, Total	127		mg/kg	0.504	0.088	1	06/20/23 12:35	07/07/23 12:40	EPA 3050B	1,6010D	JMF
Cadmium, Total	0.341	J	mg/kg	0.504	0.049	1	06/20/23 12:35	07/07/23 12:40	EPA 3050B	1,6010D	JMF
Chromium, Total	10.5		mg/kg	0.504	0.048	1	06/20/23 12:35	07/07/23 12:40	EPA 3050B	1,6010D	JMF
Lead, Total	525		mg/kg	2.52	0.135	1	06/20/23 12:35	07/07/23 12:40	EPA 3050B	1,6010D	JMF
Mercury, Total	12.2		mg/kg	0.844	0.550	10	06/20/23 12:36	06/22/23 11:05	EPA 7471B	1,7471B	MJR
Selenium, Total	1.76		mg/kg	1.01	0.130	1	06/20/23 12:35	07/07/23 12:40	EPA 3050B	1,6010D	JMF
Silver, Total	0.688		mg/kg	0.252	0.143	1	06/20/23 12:35	07/07/23 12:40	EPA 3050B	1,6010D	JMF

Project Name: PHASE II
Project Number: T0455-023-001
Lab Number: L2329082
Report Date: 07/07/23

Method Blank Analysis
Batch Quality Control

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1793615-1										
Mercury, Total	ND		mg/kg	0.083	0.054	1	06/20/23 12:36	06/22/23 10:05	1,7471B	MJR

Prep Information

Digestion Method: EPA 7471B

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
Total Metals - Mansfield Lab for sample(s): 01-04 Batch: WG1793837-1										
Arsenic, Total	0.216	J	mg/kg	0.400	0.083	1	06/20/23 12:35	06/21/23 15:11	1,6010D	AMW
Barium, Total	ND		mg/kg	0.400	0.070	1	06/20/23 12:35	06/21/23 15:11	1,6010D	AMW
Cadmium, Total	ND		mg/kg	0.400	0.039	1	06/20/23 12:35	06/21/23 15:11	1,6010D	AMW
Chromium, Total	ND		mg/kg	0.400	0.038	1	06/20/23 12:35	06/21/23 15:11	1,6010D	AMW
Lead, Total	0.131	J	mg/kg	2.00	0.107	1	06/20/23 12:35	06/21/23 15:11	1,6010D	AMW
Selenium, Total	ND		mg/kg	0.800	0.103	1	06/20/23 12:35	06/21/23 15:11	1,6010D	AMW
Silver, Total	ND		mg/kg	0.200	0.113	1	06/20/23 12:35	06/21/23 15:11	1,6010D	AMW

Prep Information

Digestion Method: EPA 3050B

Lab Control Sample Analysis

Batch Quality Control

Project Name: PHASE II

Project Number: T0455-023-001

Lab Number: L2329082

Report Date: 07/07/23

Parameter	LCS %Recovery	Qual	LCSD %Recovery	Qual	%Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1793615-2 SRM Lot Number: D119-540								
Mercury, Total	87		-		73-127	-		
Total Metals - Mansfield Lab Associated sample(s): 01-04 Batch: WG1793837-2 SRM Lot Number: D119-540								
Arsenic, Total	105		-		83-117	-		
Barium, Total	102		-		82-118	-		
Cadmium, Total	104		-		82-117	-		
Chromium, Total	106		-		82-119	-		
Lead, Total	98		-		82-118	-		
Selenium, Total	114		-		79-121	-		
Silver, Total	103		-		80-120	-		

Matrix Spike Analysis
Batch Quality Control

Project Name: PHASE II
Project Number: T0455-023-001

Lab Number: L2329082
Report Date: 07/07/23

Parameter	Native Sample	MS Added	MS Found	MS %Recovery	Qual	MSD Found	MSD %Recovery	Qual	Recovery Limits	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1793615-3 QC Sample: L2329082-01 Client ID: SB-1 0-0.75FT												
Mercury, Total	ND	2.1	2.00	95		-	-		80-120	-		20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1793837-3 QC Sample: L2329082-01 Client ID: SB-1 0-0.75FT												
Arsenic, Total	22.5	12.5	37.3	118		-	-		75-125	-		20
Barium, Total	72.9	209	280	99		-	-		75-125	-		20
Cadmium, Total	0.414J	5.53	5.20	94		-	-		75-125	-		20
Chromium, Total	11.3	20.9	30.3	91		-	-		75-125	-		20
Lead, Total	21.4	55.3	69.2	86		-	-		75-125	-		20
Selenium, Total	ND	12.5	11.7	93		-	-		75-125	-		20
Silver, Total	ND	5.22	5.35	102		-	-		75-125	-		20

Lab Duplicate Analysis
Batch Quality Control

Project Name: PHASE II
Project Number: T0455-023-001

Lab Number: L2329082
Report Date: 07/07/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1793615-4 QC Sample: L2329082-01 Client ID: SB-1 0-0.75FT						
Mercury, Total	ND	ND	mg/kg	NC		20
Total Metals - Mansfield Lab Associated sample(s): 01-04 QC Batch ID: WG1793837-4 QC Sample: L2329082-01 Client ID: SB-1 0-0.75FT						
Arsenic, Total	22.5	22.0	mg/kg	2		20
Barium, Total	72.9	71.7	mg/kg	2		20
Cadmium, Total	0.414J	0.407J	mg/kg	NC		20
Chromium, Total	11.3	11.9	mg/kg	5		20
Lead, Total	21.4	21.6	mg/kg	1		20
Selenium, Total	ND	ND	mg/kg	NC		20
Silver, Total	ND	ND	mg/kg	NC		20

INORGANICS
&
MISCELLANEOUS

Project Name: PHASE II
Project Number: T0455-023-001

Lab Number: L2329082
Report Date: 07/07/23

SAMPLE RESULTS

Lab ID: L2329082-01
Client ID: SB-1 0-0.75FT
Sample Location: 619 EXCHANGE STREET

Date Collected: 05/23/23 09:30
Date Received: 05/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	74.7		%	0.100	NA	1	-	06/21/23 08:56	121,2540G	ROI

Project Name: PHASE II
Project Number: T0455-023-001

Lab Number: L2329082
Report Date: 07/07/23

SAMPLE RESULTS

Lab ID: L2329082-02
Client ID: SB-4 0-0.75FT
Sample Location: 619 EXCHANGE STREET

Date Collected: 05/23/23 10:30
Date Received: 05/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	71.2		%	0.100	NA	1	-	06/21/23 08:56	121,2540G	ROI

Project Name: PHASE II
Project Number: T0455-023-001

Lab Number: L2329082
Report Date: 07/07/23

SAMPLE RESULTS

Lab ID: L2329082-03
Client ID: SB-6 0-1FT
Sample Location: 619 EXCHANGE STREET

Date Collected: 05/23/23 12:00
Date Received: 05/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	89.9		%	0.100	NA	1	-	06/21/23 08:56	121,2540G	ROI

Project Name: PHASE II
Project Number: T0455-023-001

Lab Number: L2329082
Report Date: 07/07/23

SAMPLE RESULTS

Lab ID: L2329082-04
Client ID: HC-1 0-0.75FT
Sample Location: 619 EXCHANGE STREET

Date Collected: 05/23/23 14:00
Date Received: 05/24/23
Field Prep: Not Specified

Sample Depth:
Matrix: Soil

Parameter	Result	Qualifier	Units	RL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Analytical Method	Analyst
General Chemistry - Westborough Lab										
Solids, Total	77.3		%	0.100	NA	1	-	06/21/23 08:56	121,2540G	ROI

Lab Duplicate Analysis

Batch Quality Control

Project Name: PHASE II

Project Number: T0455-023-001

Lab Number: L2329082

Report Date: 07/07/23

Parameter	Native Sample	Duplicate Sample	Units	RPD	Qual	RPD Limits
General Chemistry - Westborough Lab Associated sample(s): 01-04 QC Batch ID: WG1794073-1 QC Sample: L2335069-05 Client ID: DUP Sample						
Solids, Total	79.1	78.6	%	1		20

Project Name: PHASE II
Project Number: T0455-023-001

Lab Number: L2329082
Report Date: 07/07/23

Sample Receipt and Container Information

Were project specific reporting limits specified? YES

Cooler Information

Cooler	Custody Seal
A	Absent

Container Information

Container ID	Container Type	Cooler	Initial pH	Final pH	Temp deg C	Pres	Seal	Frozen Date/Time	Analysis(*)
L2329082-01A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L2329082-01B	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-PAH(14),TS(7)
L2329082-02A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		BA-TI(180),AS-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L2329082-02B	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-PAH(14),TS(7)
L2329082-03A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),PB-TI(180),SE-TI(180),HG-T(28),CD-TI(180)
L2329082-03B	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-PAH(14),TS(7)
L2329082-04A	Metals Only-Glass 60mL/2oz unpreserved	A	NA		3.4	Y	Absent		AS-TI(180),BA-TI(180),AG-TI(180),CR-TI(180),SE-TI(180),PB-TI(180),HG-T(28),CD-TI(180)
L2329082-04B	Glass 120ml/4oz unpreserved	A	NA		3.4	Y	Absent		NYTCL-PAH(14),TS(7)

*Values in parentheses indicate holding time in days

Project Name:	PHASE II	**Lab Number:**	L2329082
Project Number:	T0455-023-001	**Report Date:**	07/07/23

GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers

Project Name:	PHASE II	**Lab Number:**	L2329082
Project Number:	T0455-023-001	**Report Date:**	07/07/23

Footnotes

1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA,this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

A - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.

B - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).

C - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.

D - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.

E - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.

F - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.

G - The concentration may be biased high due to matrix interferences (i.e, co-elution) with non-target compound(s). The result should be considered estimated.

H - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.

I - The lower value for the two columns has been reported due to obvious interference.

J - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively

Report Format: DU Report with 'J' Qualifiers

Project Name:	PHASE II	**Lab Number:**	L2329082
Project Number:	T0455-023-001	**Report Date:**	07/07/23

Data Qualifiers

Identified Compounds (TICs).

M - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.

ND - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

NJ - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where the identification is based on a mass spectral library search.

P - The RPD between the results for the two columns exceeds the method-specified criteria.

Q - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)

R - Analytical results are from sample re-analysis.

RE - Analytical results are from sample re-extraction.

S - Analytical results are from modified screening analysis.

V - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Z - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)

Report Format: DU Report with 'J' Qualifiers

Project Name:	PHASE II	**Lab Number:**	L2329082
Project Number:	T0455-023-001	**Report Date:**	07/07/23

REFERENCES

1 Test Methods for Evaluating Solid Waste: Physical/Chemical Methods. EPA SW-846. Third Edition. Updates I - VI, 2018.

121 Standard Methods for the Examination of Water and Wastewater. APHA-AWWA-WEF. Standard Methods Online.

LIMITATION OF LIABILITIES

Alpha Analytical performs services with reasonable care and diligence normal to the analytical testing laboratory industry. In the event of an error, the sole and exclusive responsibility of Alpha Analytical shall be to re-perform the work at it's own expense. In no event shall Alpha Analytical be held liable for any incidental, consequential or special damages, including but not limited to, damages in any way connected with the use of, interpretation of, information or analysis provided by Alpha Analytical.

We strongly urge our clients to comply with EPA protocol regarding sample volume, preservation, cooling, containers, sampling procedures, holding time and splitting of samples in the field.

Certification Information

The following analytes are not included in our Primary NELAP Scope of Accreditation:

Westborough Facility
EPA 624.1: m/p-xylene, o-xylene, Naphthalene
EPA 625.1: alpha-Terpineol
EPA 8260D: NPW: 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene, Azobenzene; SCM: Iodomethane (methyl iodide), 1,2,4,5-Tetramethylbenzene; 4-Ethyltoluene.
EPA 8270E: NPW: Dimethylnaphthalene,1,4-Diphenylhydrazine, alpha-Terpineol; SCM: Dimethylnaphthalene,1,4-Diphenylhydrazine.
SM4500: NPW: Amenable Cyanide; SCM: Total Phosphorus, TKN, NO2, NO3.

Mansfield Facility
SM 2540D: TSS.
EPA TO-15: Halothane, 2,4,4-Trimethyl-2-pentene, 2,4,4-Trimethyl-1-pentene, Thiophene, 2-Methylthiophene, 3-Methylthiophene, 2-Ethylthiophene, 1,2,3-Trimethylbenzene, Indan, Indene, 1,2,4,5-Tetramethylbenzene, Benzothiophene, 1-Methylnaphthalene.
Biological Tissue Matrix: EPA 3050B

The following analytes are included in our Massachusetts DEP Scope of Accreditation

Westborough Facility:

Drinking Water
EPA 300.0: Chloride, Nitrate-N, Fluoride, Sulfate; **EPA 353.2**: Nitrate-N, Nitrite-N; **SM4500NO3-F**: Nitrate-N, Nitrite-N; **SM4500F-C, SM4500CN-CE, EPA 180.1, SM2130B, SM4500Cl-D, SM2320B, SM2540C, SM4500H-B, SM4500NO2-B**
EPA 524.2: THMs and VOCs; **EPA 504.1:** EDB, DBCP.
Microbiology: **SM9215B; SM9223-P/A, SM9223B-Colilert-QT,SM9222D**.

Non-Potable Water
SM4500H,B, EPA 120.1, SM2510B, SM2540C, SM2320B, SM4500CL-E, SM4500F-BC, SM4500NH3-BH: Ammonia-N and Kjeldahl-N, **EPA 350.1**: Ammonia-N, **LACHAT 10-107-06-1-B**: Ammonia-N, **EPA 351.1, SM4500NO3-F, EPA 353.2**: Nitrate-N**, SM4500P-E, SM4500P-B, E, SM4500SO4-E, SM5220D, EPA 410.4, SM5210B, SM5310C, SM4500CL-D, EPA 1664, EPA 420.1, SM4500-CN-CE, SM2540D, EPA 300: Chloride, Sulfate, Nitrate.**
EPA 624.1: Volatile Halocarbons & Aromatics,
EPA 608.3: Chlordane, Toxaphene, Aldrin, alpha-BHC, beta-BHC, gamma-BHC, delta-BHC, Dieldrin, DDD, DDE, DDT, Endosulfan I, Endosulfan II, Endosulfan sulfate, Endrin, Endrin Aldehyde, Heptachlor, Heptachlor Epoxide, PCBs
EPA 625.1: SVOC (Acid/Base/Neutral Extractables).
Microbiology: **SM9223B-Colilert-QT; Enterolert-QT, SM9221E, EPA 1600, EPA 1603, SM9222D.**

Mansfield Facility:

Drinking Water
EPA 200.7: Al, Ba, Cd, Cr, Cu, Fe, Mn, Ni, Na, Ag, Ca, Zn. **EPA 200.8:** Al, Sb, As, Ba, Be, Cd, Cr, Cu, Pb, Mn, Ni, Se, Ag, TL, Zn. **EPA 245.1** Hg.
EPA 522, EPA 537.1.

Non-Potable Water
EPA 200.7: Al, Sb, As, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Mo, Ni, K, Se, Ag, Na, Sr, TL, Ti, V, Zn.
EPA 200.8: Al, Sb**,** As, Be, Cd, Cr, Cu, Fe, Pb, Mn, Ni, K, Se, Ag, Na, TL, Zn.
EPA 245.1 Hg.
SM2340B

For a complete listing of analytes and methods, please contact your Alpha Project Manager.

NEW YORK CHAIN OF CUSTODY

ALPHA ANALYTICAL

Westborough, MA 01581
8 Walkup Dr.
TEL: 508-898-9220
FAX: 508-898-9193

Mansfield, MA 02048
320 Forbes Blvd
TEL: 508-822-9300
FAX: 508-822-3288

Service Centers
Mahwah, NJ 07430: 35 Whitney Rd, Suite 5
Albany, NY 12205: 14 Walker Way
Tonawanda, NY 14150: 275 Cooper Ave, Suite 105

Page 1 of 1

Date Rec'd in Lab: 5/25/23

ALPHA Job #: L2329082

Client Information
Client: TURNER
Address: 2558 HAMBURG TPKE BUFFALO, NY 14218
Phone: 716-856-0599
Fax:
Email: bmayback@bm-tk.com

Project Information
Project Name: PHASE II
Project Location: 619 EXCHANGE STREET
Project #: T0455-023-001
(Use Project name as Project #) ☐
Project Manager: BRYAN MAYBACK
ALPHAQuote #:

Turn-Around Time
Standard ☒ Due Date:
Rush (only if pre approved) ☐ # of Days:

Deliverables
☐ ASP-A ☐ ASP-B
☐ EQuIS (1 File) ☐ EQuIS (4 File)
☐ Other

Regulatory Requirement
☐ NY TOGS ☐ NY Part 375
☐ AWQ Standards ☐ NY CP-51
☐ NY Restricted Use ☐ Other
☐ NY Unrestricted Use
☐ NYC Sewer Discharge

Billing Information
☒ Same as Client Info
PO #

Disposal Site Information
Please identify below location of applicable disposal facilities.
Disposal Facility:
☐ NJ ☒ NY
☐ Other:

These samples have been previously analyzed by Alpha ☐

Other project specific requirements/comments:

Please specify Metals or TAL.

ALPHA Lab ID (Lab Use Only)	Sample ID	Collection Date	Collection Time	Sample Matrix	Sampler's Initials	PAHs	RCRA METAL							Sample Specific Comments	Total Bottle
2329082-01	SB-1 0-0.75ft	5/23/23	930	SOIL	CS	X	X							HOLD	2
-02	SB-5 0-0.75ft		1030			X	X							HOLD	2
-03	SB-6 0-1ft		1200			X	X							HOLD	2
-04	HC-1 0-0.75ft		1400			X	X							HOLD	2

Sample Filtration
☐ Done
☐ Lab to do
Preservation
☐ Lab to do
(Please Specify below)

Preservative Code:
A = None
B = HCl
C = HNO_3
D = H_2SO_4
E = NaOH
F = MeOH
G = $NaHSO_4$
H = $Na_2S_2O_3$
K/E = Zn Ac/NaOH
O = Other

Container Code
P = Plastic
A = Amber Glass
V = Vial
G = Glass
B = Bacteria Cup
C = Cube
O = Other
E = Encore
D = BOD Bottle

Westboro: Certification No: MA935
Mansfield: Certification No: MA015

Container Type	A	A
Preservative	A	A

Relinquished By:	Date/Time	Received By:	Date/Time
	5/24/23 1131		5/24/23 14:00
	5/24/23 16:00		5/25/23 0030

Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS. (See reverse side.)

Form No: 01-25 HC (rev. 30-Sept-2013)

eurofins | Environment Testing

ANALYTICAL REPORT

PREPARED FOR

Attn: Bryan Mayback
Benchmark Env. Eng. & Science, PLLC
2558 Hamburg Turnpike
Lackawanna, New York 14218

Generated 8/29/2023 3:13:17 PM

JOB DESCRIPTION

619 Exchange

JOB NUMBER

480-212074-1

Eurofins Buffalo
10 Hazelwood Drive
Amherst NY 14228-2298

See page two for job notes and contact information.

my EOL

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

The test results in this report relate only to the samples as received by the laboratory and will meet all requirements of the methodology, with any exceptions noted. This report shall not be reproduced except in full, without the express written approval of the laboratory. All questions should be directed to the Eurofins Environment Testing Northeast, LLC Project Manager.

Authorization



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8/29/2023 3:13:17 PM

Authorized for release by
Rebecca Jones, Project Management Assistant I
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Definitions/Glossary

Client: Benchmark Env. Eng. & Science, PLLC
Job ID: 480-212074-1
Project/Site: 619 Exchange

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
*1	LCS/LCSD RPD exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Job ID: 480-212074-1

Laboratory: Eurofins Buffalo

Narrative

Job Narrative
480-212074-1

Comments
No additional comments.

Receipt
The samples were received on 8/22/2023 3:00 PM. Unless otherwise noted below, the samples arrived in good condition, and where required, properly preserved and on ice. The temperature of the cooler at receipt was 3.8º C.

GC/MS Semi VOA
Method 8270D: The following sample was diluted due to color, appearance, and viscosity: SB-10 (480-212074-3). Elevated reporting limits (RL) are provided.

Method 8270D: The RPD of the laboratory control sample (LCS) and laboratory control sample duplicate (LCSD) for preparation batch 480-681194 and analytical batch 480-681261 recovered outside control limits for the following analytes: Benzo[g,h,i]perylene.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/Glossary page.

Metals
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Organic Prep
No analytical or quality issues were noted, other than those described in the Definitions/Glossary page.

Detection Summary

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: 619 Exchange

Job ID: 480-212074-1

Client Sample ID: SB-8 — Lab Sample ID: 480-212074-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Naphthalene	29	J	230	29	ug/Kg	1	☼	8270D	Total/NA
Phenanthrene	51	J	230	33	ug/Kg	1	☼	8270D	Total/NA
Arsenic	13.3		2.7	0.55	mg/Kg	1	☼	6010C	Total/NA
Barium	265		0.68	0.15	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.13	J	0.27	0.041	mg/Kg	1	☼	6010C	Total/NA
Chromium	9.7		0.68	0.27	mg/Kg	1	☼	6010C	Total/NA
Lead	24.3		1.4	0.33	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.059		0.026	0.0061	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-9 — Lab Sample ID: 480-212074-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	15.3		2.3	0.46	mg/Kg	1	☼	6010C	Total/NA
Barium	255		0.58	0.13	mg/Kg	1	☼	6010C	Total/NA
Cadmium	0.18	J	0.23	0.035	mg/Kg	1	☼	6010C	Total/NA
Chromium	8.3		0.58	0.23	mg/Kg	1	☼	6010C	Total/NA
Lead	20.5		1.2	0.28	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.029		0.023	0.0053	mg/Kg	1	☼	7471B	Total/NA

Client Sample ID: SB-10 — Lab Sample ID: 480-212074-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	300	J	1100	110	ug/Kg	5	☼	8270D	Total/NA
Benzo[a]pyrene	390	J	1100	170	ug/Kg	5	☼	8270D	Total/NA
Benzo[b]fluoranthene	550	J	1100	180	ug/Kg	5	☼	8270D	Total/NA
Benzo[g,h,i]perylene	330	J	1100	120	ug/Kg	5	☼	8270D	Total/NA
Benzo[k]fluoranthene	200	J	1100	150	ug/Kg	5	☼	8270D	Total/NA
Chrysene	350	J	1100	260	ug/Kg	5	☼	8270D	Total/NA
Fluoranthene	640	J	1100	120	ug/Kg	5	☼	8270D	Total/NA
Indeno[1,2,3-cd]pyrene	250	J	1100	140	ug/Kg	5	☼	8270D	Total/NA
Phenanthrene	410	J	1100	170	ug/Kg	5	☼	8270D	Total/NA
Pyrene	490	J	1100	130	ug/Kg	5	☼	8270D	Total/NA
Arsenic	11.6		2.7	0.53	mg/Kg	1	☼	6010C	Total/NA
Barium	1850		3.3	0.73	mg/Kg	5	☼	6010C	Total/NA
Cadmium	0.38		0.27	0.040	mg/Kg	1	☼	6010C	Total/NA
Chromium	12.4		0.67	0.27	mg/Kg	1	☼	6010C	Total/NA
Lead	69.0		1.3	0.32	mg/Kg	1	☼	6010C	Total/NA
Mercury	0.073		0.025	0.0057	mg/Kg	1	☼	7471B	Total/NA

This Detection Summary does not include radiochemical test results.

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: 619 Exchange

Job ID: 480-212074-1

Client Sample ID: SB-8
Date Collected: 08/22/23 09:35
Date Received: 08/22/23 15:00

Lab Sample ID: 480-212074-1
Matrix: Solid
Percent Solids: 74.7

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		230	33	ug/Kg	☼	08/24/23 08:58	08/25/23 17:57	1
Acenaphthylene	ND		230	29	ug/Kg	☼	08/24/23 08:58	08/25/23 17:57	1
Anthracene	ND		230	56	ug/Kg	☼	08/24/23 08:58	08/25/23 17:57	1
Benzo[a]anthracene	ND		230	23	ug/Kg	☼	08/24/23 08:58	08/25/23 17:57	1
Benzo[a]pyrene	ND		230	33	ug/Kg	☼	08/24/23 08:58	08/25/23 17:57	1
Benzo[b]fluoranthene	ND		230	36	ug/Kg	☼	08/24/23 08:58	08/25/23 17:57	1
Benzo[g,h,i]perylene	ND		230	24	ug/Kg	☼	08/24/23 08:58	08/25/23 17:57	1
Benzo[k]fluoranthene	ND		230	29	ug/Kg	☼	08/24/23 08:58	08/25/23 17:57	1
Chrysene	ND		230	51	ug/Kg	☼	08/24/23 08:58	08/25/23 17:57	1
Dibenz(a,h)anthracene	ND		230	40	ug/Kg	☼	08/24/23 08:58	08/25/23 17:57	1
Fluoranthene	ND		230	24	ug/Kg	☼	08/24/23 08:58	08/25/23 17:57	1
Fluorene	ND		230	27	ug/Kg	☼	08/24/23 08:58	08/25/23 17:57	1
Indeno[1,2,3-cd]pyrene	ND		230	28	ug/Kg	☼	08/24/23 08:58	08/25/23 17:57	1
Naphthalene	**29**	**J**	230	29	ug/Kg	☼	08/24/23 08:58	08/25/23 17:57	1
Phenanthrene	**51**	**J**	230	33	ug/Kg	☼	08/24/23 08:58	08/25/23 17:57	1
Pyrene	ND		230	27	ug/Kg	☼	08/24/23 08:58	08/25/23 17:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*85*		*60 - 120*	*08/24/23 08:58*	*08/25/23 17:57*	*1*
Nitrobenzene-d5 (Surr)	*89*		*53 - 120*	*08/24/23 08:58*	*08/25/23 17:57*	*1*
p-Terphenyl-d14 (Surr)	*90*		*79 - 130*	*08/24/23 08:58*	*08/25/23 17:57*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**13.3**		2.7	0.55	mg/Kg	☼	08/24/23 06:29	08/25/23 21:05	1
Barium	**265**		0.68	0.15	mg/Kg	☼	08/24/23 06:29	08/25/23 21:05	1
Cadmium	**0.13**	**J**	0.27	0.041	mg/Kg	☼	08/24/23 06:29	08/25/23 21:05	1
Chromium	**9.7**		0.68	0.27	mg/Kg	☼	08/24/23 06:29	08/25/23 21:05	1
Lead	**24.3**		1.4	0.33	mg/Kg	☼	08/24/23 06:29	08/25/23 21:05	1
Selenium	ND		5.5	0.55	mg/Kg	☼	08/24/23 06:29	08/25/23 21:05	1
Silver	ND		0.82	0.27	mg/Kg	☼	08/24/23 06:29	08/25/23 21:05	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.059**		0.026	0.0061	mg/Kg	☼	08/24/23 11:05	08/24/23 15:25	1

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: 619 Exchange

Job ID: 480-212074-1

Client Sample ID: SB-9
Date Collected: 08/22/23 09:45
Date Received: 08/22/23 15:00

Lab Sample ID: 480-212074-2
Matrix: Solid
Percent Solids: 82.4

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		200	30	ug/Kg	☼	08/24/23 15:43	08/25/23 17:58	1
Acenaphthylene	ND		200	27	ug/Kg	☼	08/24/23 15:43	08/25/23 17:58	1
Anthracene	ND		200	51	ug/Kg	☼	08/24/23 15:43	08/25/23 17:58	1
Benzo[a]anthracene	ND		200	20	ug/Kg	☼	08/24/23 15:43	08/25/23 17:58	1
Benzo[a]pyrene	ND		200	30	ug/Kg	☼	08/24/23 15:43	08/25/23 17:58	1
Benzo[b]fluoranthene	ND		200	33	ug/Kg	☼	08/24/23 15:43	08/25/23 17:58	1
Benzo[g,h,i]perylene	ND	*1	200	22	ug/Kg	☼	08/24/23 15:43	08/25/23 17:58	1
Benzo[k]fluoranthene	ND		200	27	ug/Kg	☼	08/24/23 15:43	08/25/23 17:58	1
Chrysene	ND		200	46	ug/Kg	☼	08/24/23 15:43	08/25/23 17:58	1
Dibenz(a,h)anthracene	ND		200	36	ug/Kg	☼	08/24/23 15:43	08/25/23 17:58	1
Fluoranthene	ND		200	22	ug/Kg	☼	08/24/23 15:43	08/25/23 17:58	1
Fluorene	ND		200	24	ug/Kg	☼	08/24/23 15:43	08/25/23 17:58	1
Indeno[1,2,3-cd]pyrene	ND		200	25	ug/Kg	☼	08/24/23 15:43	08/25/23 17:58	1
Naphthalene	ND		200	27	ug/Kg	☼	08/24/23 15:43	08/25/23 17:58	1
Phenanthrene	ND		200	30	ug/Kg	☼	08/24/23 15:43	08/25/23 17:58	1
Pyrene	ND		200	24	ug/Kg	☼	08/24/23 15:43	08/25/23 17:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*79*		*60 - 120*	*08/24/23 15:43*	*08/25/23 17:58*	*1*
Nitrobenzene-d5 (Surr)	*77*		*53 - 120*	*08/24/23 15:43*	*08/25/23 17:58*	*1*
p-Terphenyl-d14 (Surr)	*100*		*79 - 130*	*08/24/23 15:43*	*08/25/23 17:58*	*1*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**15.3**		2.3	0.46	mg/Kg	☼	08/24/23 06:29	08/25/23 21:09	1
Barium	**255**		0.58	0.13	mg/Kg	☼	08/24/23 06:29	08/25/23 21:09	1
Cadmium	**0.18**	**J**	0.23	0.035	mg/Kg	☼	08/24/23 06:29	08/25/23 21:09	1
Chromium	**8.3**		0.58	0.23	mg/Kg	☼	08/24/23 06:29	08/25/23 21:09	1
Lead	**20.5**		1.2	0.28	mg/Kg	☼	08/24/23 06:29	08/25/23 21:09	1
Selenium	ND		4.6	0.46	mg/Kg	☼	08/24/23 06:29	08/25/23 21:09	1
Silver	ND		0.70	0.23	mg/Kg	☼	08/24/23 06:29	08/25/23 21:09	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.029**		0.023	0.0053	mg/Kg	☼	08/24/23 11:05	08/24/23 15:27	1

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: 619 Exchange

Job ID: 480-212074-1

Client Sample ID: SB-10

Date Collected: 08/22/23 09:55
Date Received: 08/22/23 15:00

Lab Sample ID: 480-212074-3

Matrix: Solid
Percent Solids: 72.4

Method: SW846 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		1100	170	ug/Kg	☼	08/24/23 08:58	08/25/23 18:21	5
Acenaphthylene	ND		1100	150	ug/Kg	☼	08/24/23 08:58	08/25/23 18:21	5
Anthracene	ND		1100	280	ug/Kg	☼	08/24/23 08:58	08/25/23 18:21	5
Benzo[a]anthracene	**300**	**J**	1100	110	ug/Kg	☼	08/24/23 08:58	08/25/23 18:21	5
Benzo[a]pyrene	**390**	**J**	1100	170	ug/Kg	☼	08/24/23 08:58	08/25/23 18:21	5
Benzo[b]fluoranthene	**550**	**J**	1100	180	ug/Kg	☼	08/24/23 08:58	08/25/23 18:21	5
Benzo[g,h,i]perylene	**330**	**J**	1100	120	ug/Kg	☼	08/24/23 08:58	08/25/23 18:21	5
Benzo[k]fluoranthene	**200**	**J**	1100	150	ug/Kg	☼	08/24/23 08:58	08/25/23 18:21	5
Chrysene	**350**	**J**	1100	260	ug/Kg	☼	08/24/23 08:58	08/25/23 18:21	5
Dibenz(a,h)anthracene	ND		1100	200	ug/Kg	☼	08/24/23 08:58	08/25/23 18:21	5
Fluoranthene	**640**	**J**	1100	120	ug/Kg	☼	08/24/23 08:58	08/25/23 18:21	5
Fluorene	ND		1100	130	ug/Kg	☼	08/24/23 08:58	08/25/23 18:21	5
Indeno[1,2,3-cd]pyrene	**250**	**J**	1100	140	ug/Kg	☼	08/24/23 08:58	08/25/23 18:21	5
Naphthalene	ND		1100	150	ug/Kg	☼	08/24/23 08:58	08/25/23 18:21	5
Phenanthrene	**410**	**J**	1100	170	ug/Kg	☼	08/24/23 08:58	08/25/23 18:21	5
Pyrene	**490**	**J**	1100	130	ug/Kg	☼	08/24/23 08:58	08/25/23 18:21	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*87*		*60 - 120*	*08/24/23 08:58*	*08/25/23 18:21*	*5*
Nitrobenzene-d5 (Surr)	*84*		*53 - 120*	*08/24/23 08:58*	*08/25/23 18:21*	*5*
p-Terphenyl-d14 (Surr)	*93*		*79 - 130*	*08/24/23 08:58*	*08/25/23 18:21*	*5*

Method: SW846 6010C - Metals (ICP)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**11.6**		2.7	0.53	mg/Kg	☼	08/24/23 06:29	08/25/23 21:25	1
Barium	**1850**		3.3	0.73	mg/Kg	☼	08/24/23 06:29	08/28/23 15:57	5
Cadmium	**0.38**		0.27	0.040	mg/Kg	☼	08/24/23 06:29	08/25/23 21:25	1
Chromium	**12.4**		0.67	0.27	mg/Kg	☼	08/24/23 06:29	08/25/23 21:25	1
Lead	**69.0**		1.3	0.32	mg/Kg	☼	08/24/23 06:29	08/25/23 21:25	1
Selenium	ND		5.3	0.53	mg/Kg	☼	08/24/23 06:29	08/25/23 21:25	1
Silver	ND		0.80	0.27	mg/Kg	☼	08/24/23 06:29	08/25/23 21:25	1

Method: SW846 7471B - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.073**		0.025	0.0057	mg/Kg	☼	08/24/23 11:05	08/24/23 15:28	1

Surrogate Summary

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: 619 Exchange

Job ID: 480-212074-1

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)								
		FBP	NBZ	TPHd14						
Lab Sample ID	Client Sample ID	(60-120)	(53-120)	(79-130)						
480-212074-1	SB-8	85	89	90						
480-212074-2	SB-9	79	77	100						
480-212074-3	SB-10	87	84	93						
LCS 480-681105/2-A	Lab Control Sample	83	82	89						
LCS 480-681194/2-A	Lab Control Sample	83	80	101						
LCSD 480-681194/3-A	Lab Control Sample Dup	88	78	108						
MB 480-681105/1-A	Method Blank	80	79	87						
MB 480-681194/1-A	Method Blank	99	94	124						

Surrogate Legend

FBP = 2-Fluorobiphenyl (Surr)
NBZ = Nitrobenzene-d5 (Surr)
TPHd14 = p-Terphenyl-d14 (Surr)

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-681105/1-A
Matrix: Solid
Analysis Batch: 681265

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 681105

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		170	25	ug/Kg		08/24/23 08:58	08/25/23 15:33	1
Acenaphthylene	ND		170	22	ug/Kg		08/24/23 08:58	08/25/23 15:33	1
Anthracene	ND		170	42	ug/Kg		08/24/23 08:58	08/25/23 15:33	1
Benzo[a]anthracene	ND		170	17	ug/Kg		08/24/23 08:58	08/25/23 15:33	1
Benzo[a]pyrene	ND		170	25	ug/Kg		08/24/23 08:58	08/25/23 15:33	1
Benzo[b]fluoranthene	ND		170	27	ug/Kg		08/24/23 08:58	08/25/23 15:33	1
Benzo[g,h,i]perylene	ND		170	18	ug/Kg		08/24/23 08:58	08/25/23 15:33	1
Benzo[k]fluoranthene	ND		170	22	ug/Kg		08/24/23 08:58	08/25/23 15:33	1
Chrysene	ND		170	38	ug/Kg		08/24/23 08:58	08/25/23 15:33	1
Dibenz(a,h)anthracene	ND		170	30	ug/Kg		08/24/23 08:58	08/25/23 15:33	1
Fluoranthene	ND		170	18	ug/Kg		08/24/23 08:58	08/25/23 15:33	1
Fluorene	ND		170	20	ug/Kg		08/24/23 08:58	08/25/23 15:33	1
Indeno[1,2,3-cd]pyrene	ND		170	21	ug/Kg		08/24/23 08:58	08/25/23 15:33	1
Naphthalene	ND		170	22	ug/Kg		08/24/23 08:58	08/25/23 15:33	1
Phenanthrene	ND		170	25	ug/Kg		08/24/23 08:58	08/25/23 15:33	1
Pyrene	ND		170	20	ug/Kg		08/24/23 08:58	08/25/23 15:33	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*80*		*60 - 120*	*08/24/23 08:58*	*08/25/23 15:33*	*1*
Nitrobenzene-d5 (Surr)	*79*		*53 - 120*	*08/24/23 08:58*	*08/25/23 15:33*	*1*
p-Terphenyl-d14 (Surr)	*87*		*79 - 130*	*08/24/23 08:58*	*08/25/23 15:33*	*1*

Lab Sample ID: LCS 480-681105/2-A
Matrix: Solid
Analysis Batch: 681265

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 681105

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	1660	1460		ug/Kg		88	62 - 120
Acenaphthylene	1660	1560		ug/Kg		94	58 - 121
Anthracene	1660	1560		ug/Kg		94	62 - 120
Benzo[a]anthracene	1660	1550		ug/Kg		93	65 - 120
Benzo[a]pyrene	1660	1660		ug/Kg		100	64 - 120
Benzo[b]fluoranthene	1660	1650		ug/Kg		100	64 - 120
Benzo[g,h,i]perylene	1660	1490		ug/Kg		90	45 - 145
Benzo[k]fluoranthene	1660	1470		ug/Kg		89	65 - 120
Chrysene	1660	1580		ug/Kg		95	64 - 120
Dibenz(a,h)anthracene	1660	1520		ug/Kg		92	54 - 132
Fluoranthene	1660	1590		ug/Kg		96	62 - 120
Fluorene	1660	1450		ug/Kg		87	63 - 120
Indeno[1,2,3-cd]pyrene	1660	1500		ug/Kg		91	56 - 134
Naphthalene	1660	1310		ug/Kg		79	55 - 120
Phenanthrene	1660	1590		ug/Kg		96	60 - 120
Pyrene	1660	1590		ug/Kg		96	61 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*83*		*60 - 120*
Nitrobenzene-d5 (Surr)	*82*		*53 - 120*
p-Terphenyl-d14 (Surr)	*89*		*79 - 130*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 480-681194/1-A
Matrix: Solid
Analysis Batch: 681261

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 681194

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	ND		170	25	ug/Kg		08/24/23 15:43	08/25/23 15:08	1
Acenaphthylene	ND		170	22	ug/Kg		08/24/23 15:43	08/25/23 15:08	1
Anthracene	ND		170	41	ug/Kg		08/24/23 15:43	08/25/23 15:08	1
Benzo[a]anthracene	ND		170	17	ug/Kg		08/24/23 15:43	08/25/23 15:08	1
Benzo[a]pyrene	ND		170	25	ug/Kg		08/24/23 15:43	08/25/23 15:08	1
Benzo[b]fluoranthene	ND		170	26	ug/Kg		08/24/23 15:43	08/25/23 15:08	1
Benzo[g,h,i]perylene	ND		170	18	ug/Kg		08/24/23 15:43	08/25/23 15:08	1
Benzo[k]fluoranthene	ND		170	22	ug/Kg		08/24/23 15:43	08/25/23 15:08	1
Chrysene	ND		170	37	ug/Kg		08/24/23 15:43	08/25/23 15:08	1
Dibenz(a,h)anthracene	ND		170	29	ug/Kg		08/24/23 15:43	08/25/23 15:08	1
Fluoranthene	ND		170	18	ug/Kg		08/24/23 15:43	08/25/23 15:08	1
Fluorene	ND		170	20	ug/Kg		08/24/23 15:43	08/25/23 15:08	1
Indeno[1,2,3-cd]pyrene	ND		170	21	ug/Kg		08/24/23 15:43	08/25/23 15:08	1
Naphthalene	ND		170	22	ug/Kg		08/24/23 15:43	08/25/23 15:08	1
Phenanthrene	ND		170	25	ug/Kg		08/24/23 15:43	08/25/23 15:08	1
Pyrene	ND		170	20	ug/Kg		08/24/23 15:43	08/25/23 15:08	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl (Surr)	*99*		*60 - 120*	*08/24/23 15:43*	*08/25/23 15:08*	*1*
Nitrobenzene-d5 (Surr)	*94*		*53 - 120*	*08/24/23 15:43*	*08/25/23 15:08*	*1*
p-Terphenyl-d14 (Surr)	*124*		*79 - 130*	*08/24/23 15:43*	*08/25/23 15:08*	*1*

Lab Sample ID: LCS 480-681194/2-A
Matrix: Solid
Analysis Batch: 681261

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 681194

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Acenaphthene	1640	1390		ug/Kg		84	62 - 120
Acenaphthylene	1640	1450		ug/Kg		88	58 - 121
Anthracene	1640	1510		ug/Kg		92	62 - 120
Benzo[a]anthracene	1640	1570		ug/Kg		96	65 - 120
Benzo[a]pyrene	1640	1580		ug/Kg		96	64 - 120
Benzo[b]fluoranthene	1640	1520		ug/Kg		92	64 - 120
Benzo[g,h,i]perylene	1640	1480		ug/Kg		90	45 - 145
Benzo[k]fluoranthene	1640	1610		ug/Kg		98	65 - 120
Chrysene	1640	1520		ug/Kg		93	64 - 120
Dibenz(a,h)anthracene	1640	1440		ug/Kg		88	54 - 132
Fluoranthene	1640	1420		ug/Kg		86	62 - 120
Fluorene	1640	1350		ug/Kg		82	63 - 120
Indeno[1,2,3-cd]pyrene	1640	1440		ug/Kg		88	56 - 134
Naphthalene	1640	1330		ug/Kg		81	55 - 120
Phenanthrene	1640	1490		ug/Kg		91	60 - 120
Pyrene	1640	1790		ug/Kg		109	61 - 133

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*83*		*60 - 120*
Nitrobenzene-d5 (Surr)	*80*		*53 - 120*
p-Terphenyl-d14 (Surr)	*101*		*79 - 130*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: LCSD 480-681194/3-A
Matrix: Solid
Analysis Batch: 681261

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 681194

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Acenaphthene			1640	1460		ug/Kg		89	62 - 120	5	35
Acenaphthylene			1640	1470		ug/Kg		90	58 - 121	2	18
Anthracene			1640	1480		ug/Kg		90	62 - 120	2	15
Benzo[a]anthracene			1640	1560		ug/Kg		95	65 - 120	1	15
Benzo[a]pyrene			1640	1560		ug/Kg		95	64 - 120	1	15
Benzo[b]fluoranthene			1640	1510		ug/Kg		92	64 - 120	1	15
Benzo[g,h,i]perylene			1640	1260	*1	ug/Kg		77	45 - 145	16	15
Benzo[k]fluoranthene			1640	1490		ug/Kg		91	65 - 120	7	22
Chrysene			1640	1470		ug/Kg		90	64 - 120	3	15
Dibenz(a,h)anthracene			1640	1280		ug/Kg		78	54 - 132	12	15
Fluoranthene			1640	1380		ug/Kg		84	62 - 120	3	15
Fluorene			1640	1430		ug/Kg		87	63 - 120	6	15
Indeno[1,2,3-cd]pyrene			1640	1260		ug/Kg		77	56 - 134	14	15
Naphthalene			1640	1340		ug/Kg		82	55 - 120	1	29
Phenanthrene			1640	1530		ug/Kg		93	60 - 120	3	15
Pyrene			1640	1880		ug/Kg		114	61 - 133	4	35

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl (Surr)	*88*		*60 - 120*
Nitrobenzene-d5 (Surr)	*78*		*53 - 120*
p-Terphenyl-d14 (Surr)	*108*		*79 - 130*

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 480-681086/1-A
Matrix: Solid
Analysis Batch: 681409

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 681086

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	ND		2.0	0.39	mg/Kg		08/24/23 06:29	08/25/23 20:38	1
Barium	ND		0.49	0.11	mg/Kg		08/24/23 06:29	08/25/23 20:38	1
Cadmium	ND		0.20	0.030	mg/Kg		08/24/23 06:29	08/25/23 20:38	1
Chromium	ND		0.49	0.20	mg/Kg		08/24/23 06:29	08/25/23 20:38	1
Lead	ND		0.99	0.24	mg/Kg		08/24/23 06:29	08/25/23 20:38	1
Selenium	ND		3.9	0.39	mg/Kg		08/24/23 06:29	08/25/23 20:38	1
Silver	ND		0.59	0.20	mg/Kg		08/24/23 06:29	08/25/23 20:38	1

Lab Sample ID: LCSSRM 480-681086/2-A
Matrix: Solid
Analysis Batch: 681409

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 681086

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
Arsenic			183	164.9		mg/Kg		90.1	69.9 - 130.1		
Barium			297	272.5		mg/Kg		91.8	75.1 - 125.3		
Cadmium			221	191.0		mg/Kg		86.4	75.1 - 124.9		
Chromium			200	179.9		mg/Kg		90.0	70.0 - 130.0		

Method: 6010C - Metals (ICP) (Continued)

Lab Sample ID: LCSSRM 480-681086/2-A
Matrix: Solid
Analysis Batch: 681409

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 681086

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
Lead			257	265.2		mg/Kg		103.2	73.9 - 126.1		
Selenium			217	192.4		mg/Kg		88.7	69.1 - 131.3		
Silver			67.8	58.29		mg/Kg		86.0	70.6 - 129.2		

Method: 7471B - Mercury (CVAA)

Lab Sample ID: MB 480-681102/1-A
Matrix: Solid
Analysis Batch: 681193

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 681102

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	ND		0.019	0.0044	mg/Kg		08/24/23 11:05	08/24/23 15:04	1

Lab Sample ID: LCSSRM 480-681102/2-A ^10
Matrix: Solid
Analysis Batch: 681193

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 681102

Analyte			Spike Added	LCSSRM Result	LCSSRM Qualifier	Unit	D	%Rec	%Rec Limits		
Mercury			18.2	17.11		mg/Kg		94.0	59.9 - 140.1		

GC/MS Semi VOA

Prep Batch: 681105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212074-1	SB-8	Total/NA	Solid	3550C	
480-212074-3	SB-10	Total/NA	Solid	3550C	
MB 480-681105/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-681105/2-A	Lab Control Sample	Total/NA	Solid	3550C	

Prep Batch: 681194

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212074-2	SB-9	Total/NA	Solid	3550C	
MB 480-681194/1-A	Method Blank	Total/NA	Solid	3550C	
LCS 480-681194/2-A	Lab Control Sample	Total/NA	Solid	3550C	
LCSD 480-681194/3-A	Lab Control Sample Dup	Total/NA	Solid	3550C	

Analysis Batch: 681261

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212074-2	SB-9	Total/NA	Solid	8270D	681194
MB 480-681194/1-A	Method Blank	Total/NA	Solid	8270D	681194
LCS 480-681194/2-A	Lab Control Sample	Total/NA	Solid	8270D	681194
LCSD 480-681194/3-A	Lab Control Sample Dup	Total/NA	Solid	8270D	681194

Analysis Batch: 681265

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212074-1	SB-8	Total/NA	Solid	8270D	681105
480-212074-3	SB-10	Total/NA	Solid	8270D	681105
MB 480-681105/1-A	Method Blank	Total/NA	Solid	8270D	681105
LCS 480-681105/2-A	Lab Control Sample	Total/NA	Solid	8270D	681105

Metals

Prep Batch: 681086

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212074-1	SB-8	Total/NA	Solid	3050B	
480-212074-2	SB-9	Total/NA	Solid	3050B	
480-212074-3	SB-10	Total/NA	Solid	3050B	
MB 480-681086/1-A	Method Blank	Total/NA	Solid	3050B	
LCSSRM 480-681086/2-A	Lab Control Sample	Total/NA	Solid	3050B	

Prep Batch: 681102

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212074-1	SB-8	Total/NA	Solid	7471B	
480-212074-2	SB-9	Total/NA	Solid	7471B	
480-212074-3	SB-10	Total/NA	Solid	7471B	
MB 480-681102/1-A	Method Blank	Total/NA	Solid	7471B	
LCSSRM 480-681102/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	

Analysis Batch: 681193

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212074-1	SB-8	Total/NA	Solid	7471B	681102
480-212074-2	SB-9	Total/NA	Solid	7471B	681102
480-212074-3	SB-10	Total/NA	Solid	7471B	681102
MB 480-681102/1-A	Method Blank	Total/NA	Solid	7471B	681102
LCSSRM 480-681102/2-A ^10	Lab Control Sample	Total/NA	Solid	7471B	681102

QC Association Summary

Client: Benchmark Env. Eng. & Science, PLLC
Job ID: 480-212074-1
Project/Site: 619 Exchange

Metals

Analysis Batch: 681409

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212074-1	SB-8	Total/NA	Solid	6010C	681086
480-212074-2	SB-9	Total/NA	Solid	6010C	681086
480-212074-3	SB-10	Total/NA	Solid	6010C	681086
MB 480-681086/1-A	Method Blank	Total/NA	Solid	6010C	681086
LCSSRM 480-681086/2-A	Lab Control Sample	Total/NA	Solid	6010C	681086

Analysis Batch: 681604

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212074-3	SB-10	Total/NA	Solid	6010C	681086

General Chemistry

Analysis Batch: 681073

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
480-212074-1	SB-8	Total/NA	Solid	Moisture	
480-212074-2	SB-9	Total/NA	Solid	Moisture	
480-212074-3	SB-10	Total/NA	Solid	Moisture	

Lab Chronicle

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: 619 Exchange

Job ID: 480-212074-1

Client Sample ID: SB-8
Date Collected: 08/22/23 09:35
Date Received: 08/22/23 15:00

Lab Sample ID: 480-212074-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	681073	JMM	EET BUF	08/23/23 16:05

Client Sample ID: SB-8
Date Collected: 08/22/23 09:35
Date Received: 08/22/23 15:00

Lab Sample ID: 480-212074-1
Matrix: Solid
Percent Solids: 74.7

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550C			681105	ER	EET BUF	08/24/23 08:58
Total/NA	Analysis	8270D		1	681265	JMM	EET BUF	08/25/23 17:57
Total/NA	Prep	3050B			681086	MP	EET BUF	08/24/23 06:29
Total/NA	Analysis	6010C		1	681409	LMH	EET BUF	08/25/23 21:05
Total/NA	Prep	7471B			681102	NVK	EET BUF	08/24/23 11:05
Total/NA	Analysis	7471B		1	681193	NVK	EET BUF	08/24/23 15:25

Client Sample ID: SB-9
Date Collected: 08/22/23 09:45
Date Received: 08/22/23 15:00

Lab Sample ID: 480-212074-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	681073	JMM	EET BUF	08/23/23 16:05

Client Sample ID: SB-9
Date Collected: 08/22/23 09:45
Date Received: 08/22/23 15:00

Lab Sample ID: 480-212074-2
Matrix: Solid
Percent Solids: 82.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550C			681194	SJM	EET BUF	08/24/23 15:43
Total/NA	Analysis	8270D		1	681261	JMM	EET BUF	08/25/23 17:58
Total/NA	Prep	3050B			681086	MP	EET BUF	08/24/23 06:29
Total/NA	Analysis	6010C		1	681409	LMH	EET BUF	08/25/23 21:09
Total/NA	Prep	7471B			681102	NVK	EET BUF	08/24/23 11:05
Total/NA	Analysis	7471B		1	681193	NVK	EET BUF	08/24/23 15:27

Client Sample ID: SB-10
Date Collected: 08/22/23 09:55
Date Received: 08/22/23 15:00

Lab Sample ID: 480-212074-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Analysis	Moisture		1	681073	JMM	EET BUF	08/23/23 16:05

Lab Chronicle

Client: Benchmark Env. Eng. & Science, PLLC
Project/Site: 619 Exchange

Job ID: 480-212074-1

Client Sample ID: SB-10
Date Collected: 08/22/23 09:55
Date Received: 08/22/23 15:00

Lab Sample ID: 480-212074-3
Matrix: Solid
Percent Solids: 72.4

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Analyst	Lab	Prepared or Analyzed
Total/NA	Prep	3550C			681105	ER	EET BUF	08/24/23 08:58
Total/NA	Analysis	8270D		5	681265	JMM	EET BUF	08/25/23 18:21
Total/NA	Prep	3050B			681086	MP	EET BUF	08/24/23 06:29
Total/NA	Analysis	6010C		1	681409	LMH	EET BUF	08/25/23 21:25
Total/NA	Prep	3050B			681086	MP	EET BUF	08/24/23 06:29
Total/NA	Analysis	6010C		5	681604	LMH	EET BUF	08/28/23 15:57
Total/NA	Prep	7471B			681102	NVK	EET BUF	08/24/23 11:05
Total/NA	Analysis	7471B		1	681193	NVK	EET BUF	08/24/23 15:28

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Accreditation/Certification Summary

Client: Benchmark Env. Eng. & Science, PLLC
Job ID: 480-212074-1
Project/Site: 619 Exchange

Laboratory: Eurofins Buffalo

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
New York	NELAP	10026	03-31-24

The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.

Analysis Method	Prep Method	Matrix	Analyte
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

Method Summary

Client: Benchmark Env. Eng. & Science, PLLC
Job ID: 480-212074-1
Project/Site: 619 Exchange

Method	Method Description	Protocol	Laboratory
8270D	Semivolatile Organic Compounds (GC/MS)	SW846	EET BUF
6010C	Metals (ICP)	SW846	EET BUF
7471B	Mercury (CVAA)	SW846	EET BUF
Moisture	Percent Moisture	EPA	EET BUF
3050B	Preparation, Metals	SW846	EET BUF
3550C	Ultrasonic Extraction	SW846	EET BUF
7471B	Preparation, Mercury	SW846	EET BUF

Protocol References:

EPA = US Environmental Protection Agency

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

EET BUF = Eurofins Buffalo, 10 Hazelwood Drive, Amherst, NY 14228-2298, TEL (716)691-2600

Sample Summary

Client: Benchmark Env. Eng. & Science, PLLC
Job ID: 480-212074-1
Project/Site: 619 Exchange

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
480-212074-1	SB-8	Solid	08/22/23 09:35	08/22/23 15:00
480-212074-2	SB-9	Solid	08/22/23 09:45	08/22/23 15:00
480-212074-3	SB-10	Solid	08/22/23 09:55	08/22/23 15:00

Address: _____

Chain of Custody Record

599575

eurofins | Environment Testing TestAmerica

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other:

TAL-8210

Client Contact	Project Manager: B. MAYBACK	Site Contact: C. SCHUSTER	Date: 8/22/23	COC No:
Company Name: ROUX	Tel/Email: bmayback@rouxinc.com	Lab Contact: B. FISCHER	Carrier:	1 of 1 COCs
Address: 2558 HAMBURG TPKE	Analysis Turnaround Time			Sampler: CS
City/State/Zip: BUFFALO, NY 14218	☐ CALENDAR DAYS ☐ WORKING DAYS			For Lab Use Only:
Phone: 716-856-0599	TAT if different from Below _____			Walk-in Client:
Fax:	☐ 2 weeks ☐ 1 week ☐ 2 days ☐ 1 day			Lab Sampling:
Project Name: 619 EXCHANGE				Job / SDG No.:
Site: 619 EXCHANGE				
P O # TO455-023-001				

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	PAH	RCRA METAL
SB-8	8/22/23	735	~~GRAB~~	SOIL	2			X	X
SB-9	↓	945	↓	↓	↓			X	X
SB-10	↓	955	↓	↓	↓			X	X

480-212074 Chain of Custody

Preservation Used: 1= Ice, 2= HCl; 3= H2SO4; 4=HNO3; 5=NaOH; 6= Other _____

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.

☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☒ Unknown

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)

☐ Return to Client ☒ Disposal by Lab ☐ Archive for _____ Months

Special Instructions/QC Requirements & Comments:

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temp. (°C): Obs'd: _____ Corr'd: _____ Therm ID No.: _____			
Relinquished by: Chad M Schuster	Company: ROUX	Date/Time: 8/22/23 1253	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received by:	Company:	Date/Time:
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time: 8-22-23 1500

3.8 ICE

Page 22 of 23

8/29/2023

Login Sample Receipt Checklist

Client: Benchmark Env. Eng. & Science, PLLC

Job Number: 480-212074-1

Login Number: 212074

List Source: Eurofins Buffalo

List Number: 1

Creator: Yeager, Brian A

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	True	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time (Excluding tests with immediate HTs)..	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Sampling Company provided.	True	ROUX
Samples received within 48 hours of sampling.	True	
Samples requiring field filtration have been filtered in the field.	True	
Chlorine Residual checked.	N/A	

APPENDIX C

Project Documentation Forms

INSPECTOR'S DAILY REPORT

CONTRACTOR			
CLIENT		DATE:	

LOCATION				DAY		JOB NO.	
WEATHER		TEMP	° F	START		END	

WORK PERFORMED:

CONTRACTOR ACTIVITIES:

[PUT CONTRACTOR ACTIVITIES HERE, BE SPECIFIC. TYPE OF EQUIPMENT, ACTIVITIES PERFORMED, BY WHOM, LOCATION OF LANDFILL ETC.]

TURNKEY ACTIVITIES:

[PUT ENGINEER ACTIVITIES HERE, BE SPECIFIC. TYPE OF EQUIPMENT, ACTIVITIES AND TESTING PERFORMED, SAMPLES COLLECTED, BY WHOM, LOCATION OF LANDFILL ETC.]

TEST PERFORMED		*QA PERSONNEL* SIGNATURE			
PICTURES TAKEN	none	REPORT NO.			
VISITORS	none	SHEET	1	OF	

ROUX

INSPECTOR'S DAILY REPORT

CONTRACTOR			
CLIENT		DATE:	

LOCATION				DAY		JOB NO.	
WEATHER		TEMP	° F	START		END	

INSPECTOR'S DAILY REPORT

MEETINGS HELD & RESULTS:

CONTRACTOR'S WORK FORCE AND EQUIPMENT

DESCRIPTION	*H*	#	*DESCRIPTION*	*H*	#	*DESCRIPTION*	*H*	#	*DESCRIPTION*	*H*	#
Field Engineer						Equipment			Front Loader Ton		
Superintendent			Ironworker			Generators			Bulldozer		
						Welding Equip.			DJ Dump truck		
Laborer-Foreman			Carpenter						Water Truck		
Laborer									Backhoe		
Operating Engineer			Concrete Finisher						Excavator		
						Roller			Pad foot roller		
Carpenter						Paving Equipment					
						Air Compressor					

REMARKS:

REFERENCES TO OTHER FORMS:

SAMPLES COLLECTED:					
SAMPLE NUMBER					
APPROX. LOCATION OF STOCKPILE					
NO. OF STOCKPILE					
DATE OF COLLECTION					
CLIMATOLOGIC CONDITIONS					
FIELD OBSERVATION		SHEET		OF	

DAILY LOG	DATE			
	REPORT NO.			
	PAGE		OF	

PROBLEM IDENTIFICATION REPORT

Date:

Project:

Job No:

Location:

CQA Monitor(s):

Client:

Contractor:

Contractor's Supervisor:

WEATHER CONDITIONS:

Ambient Air Temp. - A.M.:

Ambient Air Temp. - P.M.:

Wind Direction:

Wind Speed:

Precipitation:

Problem Description:

Problem Location (reference test location, sketch on back of form as appropriate):

Problem Causes:

Suggested Corrective Measures or Variances:

Linked to Corrective Measures Report No. *or Variance Log No.*

Approvals (initial):

CQA Engineer:

Project Manager:

Signed:

CQA Representative

DAILY LOG	DATE			
	REPORT NO.			
	PAGE		OF	

CORRECTIVE MEASURES REPORT

Date:

Project:

Job No:

Location:

CQA Monitor(s):

Client:

Contractor:

Contractor's Supervisor:

WEATHER CONDITIONS:

Ambient Air Temp. - A.M.:

Ambient Air Temp. - P.M.:

Wind Direction:

Wind Speed:

Precipitation:

Corrective Measures Undertaken (reference Problem Identification Report No.)

Retesing Location:

Suggested Method of Minimizing Re-Occurrence:

Approvals (initial):

CQA Engineer:

Project Manager:

Signed:

CQA Representative

APPENDIX D

Health and Safety Plan (HASP)

Health and Safety Plan

619 Exchange Street Site
619 Exchange Street
Buffalo, New York

December 2024

Prepared for:

PG Larkinville, LLC
46 Prince Street, Suite 2003
Rochester, New York 14607

Prepared by:

Roux Environmental Engineering and Geology, D.P.C.
2558 Hamburg Turnpike
Suite 300
Buffalo, New York 14218

4502.0001B000//02

Environmental Consulting
& Management
+1.800.322.ROUX
rouxinc.com

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1. Introduction

1.1 General

In accordance with OSHA requirements contained in 29 CFR 1910.120, this Health and Safety Plan (HASP) describes the specific health and safety practices and procedures to be employed by Roux Environmental Engineering and Geology, D.P.C. employees (referred to hereafter as "Roux") during Remedial Investigation (RI) activities at the 619 Exchange Street Site (Site) located on a portion of 619 Exchange Street, Buffalo, Erie County, New York. This HASP presents procedures for Roux employees who will be involved with RI field activities; it does not cover the activities of other contractors, subcontractors, or other individuals on the Site. These firms will be required to develop and enforce their own HASPs as discussed in Section 2.0. Roux accepts no responsibility for the health and safety of contractor, subcontractor, or other personnel.

This HASP presents information on known Site health and safety hazards using available historical information, and identifies the equipment, materials, and procedures that will be used to eliminate or control these hazards. Environmental monitoring will be performed during field activities to provide real-time data for on-going assessment of potential hazards.

1.2 Background

The Site, currently vacant/underutilized land is located in an urban area at the southwest corner of the intersection of Exchange Street and Larkin Street in the City of Buffalo, New York. The Site is located in a highly developed mixed-use residential, commercial, and industrial area of the City of Buffalo, Erie County, New York (see **Figure 1**). The Site consists of one parcel totaling approximately 0.72-acre parcel addressed at 619 Exchange Street, (SBL No. 122.25-2-11), Buffalo, Erie County, New York and is supplied with/has access to municipal sanitary sewer, electric, natural-gas and public water. One structure is present on the Site. Specifically, Section 1, is a four-story structure with a subgrade basement, and Section 2, is a two-story slab-on-grade structure, and Section 3 is a previously demolished portion of the building with only the concrete slab-on-grade remaining. The Site is bordered by commercial and industrial properties and Exchange Street to the north; a vacant commercial property to the south; a commercial property and Larkin Street to the east; and a commercial property and railroad lines to the west (see **Figure 2**).

As part of this project Roux completed a historical record research, including reviews of Sanborn Fire Insurance Maps, and municipal records for additional information relative to the Site. The Site was previously used in residential, commercial, and industrial capacities. Commercial and industrial uses of the Site included mill work, lumber storage, woodworking, bedding/textile manufacturing, warehousing, storage, and distribution. Prior to the construction of the existing building, the Site was developed with railroad tracks, an icehouse, residential structures, and outbuildings, as depicted on historic Sanborn maps.

The existing building was constructed at the Site in 1908 with additions made in 1924. The Site was occupied by Iroquois Doors Co. and used for mill work, planning, woodworking, and lumber storage from at least 1926 through at least 1986. Other occupants include Otis Bedding Manufacturing Co. from at least 1992 through at least 2014, Ken's Sports Warehouse from at least 2008 through at least 2014, Copeland Family Servies in at least 2010, and K.W. Textile, Inc., a textile distribution warehouse (with

possible textile manufacturing) from at least 2001 through 2018. The Site has been vacant since approximately 2018.

Historic municipal records indicate the wiring for a fuel oil burner in 1979. During previous investigations, cut copper lines, a 5,000-gallon fuel gauge, and a suspect former AST vault were identified at the Site. In addition, a suspect candy cane vent pipe protruding from the south wall of the existing was presumably associated with the former fuel oil tank.

Past uses of the Site (e.g. mill work, woodworking, lumber storage, manufacturing, warehousing) and the presence of urban fill material across the Site likely due to demolition and backfill of former structures have resulted in impacts to the Site. Fill material containing wood, ash, and brick was identified Site-wide to depths between 1 and 3 feet below ground surface (fbgs).

According to NYSDEC Environmental Zone (EN-Zone) mapping, the Site is located in the US Census Tract 164 and is a NYS designated EN-Zone Type B, which is indicative of the economic conditions of the surrounding area. Type B EN-Zones include a poverty rate of at least 20% and unemployment rate of at least 125% of the State average. The Site is also located within a designated disadvantaged community (tract GOID: 36029016400).

1.3 Known and Suspected Environmental Conditions

Historic municipal records indicate the wiring for a fuel oil burner in 1979. During previous investigations, cut copper lines, a 5,000-gallon fuel gauge, and a suspect former AST vault were identified at the Site. In addition, a suspect candy cane vent pipe protruding from the south wall of the existing was presumably associated with the former fuel oil tank.

Past uses of the Site (e.g. mill work, woodworking, lumber storage, manufacturing, warehousing) and the presence of urban fill material across the Site likely due to demolition and backfill of former structures have resulted in impacts to the Site. Fill material containing wood, ash, and brick was identified Site-wide to depths between 1 and 3 feet below ground surface (fbgs).

A summary of the previous environmental investigation findings completed for the Site are provided below.

July 2018 — Phase I Environmental Site Assessment

A Phase I Environmental Site Assessment (ESA) completed by TurnKey Environmental Restoration, LLC (now Roux) in July 2018 identified recognized environmental concerns (RECs) at the Site. The specific RECs identified for the Site included the following:

- The building has a long history of woodworking, planing, and milling operations. Such activities could result in environmental impacts beneath the building slab due to the reasonably anticipated use of woodworking machinery and chemicals such as wood preservatives, stains, paints, etc.
- Evidence of historic fuel oil heat including cut copper lines and a suspect 5,000-gallon fuel gauge. Tank-related information is unavailable. Roux suspects, but could not confirm, that an AST was formerly present within a vault proximate to the boiler room within the basement of Section 1.
- The threaded suspect vent pipe observed protruding from the south wall of the building is considered a REC as the nature of the pipe is unknown.
- Prior to the current on-Site development, railroad tracks bisected the Site.

October 2023 — Phase II Environmental Investigation

In October 2023, TurnKey Environmental Restoration, LLC (now Roux) completed a Phase II Environmental Site Assessment of the Site. Phase II activities included completion of three hand cores (HC-1 through HC-3), advancement of ten soil borings (SB-1 through SB-10), and collection of 13 subsurface soil/fill samples (see **Table 1**). The findings of the investigation are summarized below:

- The Site is currently vacant and underutilized and is located within an historical industrial area. Specific uses at the Site formerly included woodworking, planning, and milling. Roux suspects that the existing building was heated by fuel oil as evidenced by cut copper lines, a 5,000-gallon fuel gauge, and a suspect vault where Roux suspects a fuel oil AST was previously located. A threaded suspect vent pipe, which may have been a vent pipe for a fuel oil tank, was noted protruding from the south exterior wall of the existing building.
- Fill material, consisting of mixtures of black fines, granular material, ash, cinders, and/or fragments of wood and brick was encountered across the Site at all of the investigation locations at depths ranging between 1 fbgs and 3 fbgs. Chemical analysis indicates the presence of impacted fill materials across the Site.
- PAHs and metals were detected at concentrations above Part 375 RRSCOs across the Site. The highest PAH concentrations were identified on the eastern and western portions of the Site. Elevated metals were identified across the Site, in the eastern, western, and central areas. Tthe highest concentrations include arsenic, which exceeded its ISCO (64.4 mg/kg) at SB-2 (64.4 mg/kg), barium, which exceeded its CSCO (400 mg/kg) at SB-10 (1,850 mg/kg), lead, which exceeded its RRSCO (400 mg/kg) at HC-1 (525 mg/kg), and mercury, which exceeded its ISCO (5.7 mg/kg) at HC-1 (12.2 mg/kg).

Based on the existing data with significant exceedances of regulatory criteria at multiple locations across the single Site parcel, the Site is a candidate for the BCP. The Site meets the definition of a BCP site per the current BCP law which states a "brownfield site or site shall mean any real property where a contaminant is present at levels exceeding the soil cleanup objectives or other health-based or environmental standards, criteria, or guidance adopted by the department that are applicable based on the reasonably anticipated use of the property, in accordance with applicable regulations."

1.4 Parameters of Interest

Based on the previous investigations, constituents of potential concern (COPCs) in soil and, potentially groundwater, at the Site include:

- **Polycyclic Aromatic Hydrocarbons (PAHs) –** PAHs present at elevated concentration may include benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene.
- **Inorganic Compound –** The inorganic COPCs potentially present at elevated concentrations are arsenic, barium, lead, mercury, and selenium.

1.5 Overview of RI Activities

Roux personnel will be on-site to observe and perform RI activities. The field activities to be completed as part of the RI are described below.

Remedial Investigation Activities

1. **Surface Subsurface Sampling:** Roux will advance soil borings and hand corings and soil vapors and subsurface soil samples for the purpose of determining the nature and extent of potential COPC impacts in the subsurface soil/fill.
2. **Monitoring Well Installation/Development and Sampling:** Roux will observe the installation of groundwater monitoring wells, develop the wells, and collect groundwater samples for the purpose of determining the nature and extent of potential COPC impacts.

2. Organizational Structure

This section of the HASP describes the lines of authority, responsibility, and communication as they pertain to health and safety functions at the Site. The purpose of this section is to identify the personnel who impact the development and implementation of the HASP and to describe their roles and responsibilities. This section also identifies other contractors and subcontractors involved in work operations and establishes the lines of communication among them for health and safety matters. The organizational structure described in this section is consistent with the requirements of 29 CFR 1910.120(b)(2). This section will be reviewed by the Project Manager and updated as necessary to reflect the current organizational structure at this Site.

2.1 Roles and Responsibilities

All Roux personnel on the Site must comply with the minimum requirements of this HASP. The specific responsibilities and authority of management, safety and health, and other personnel on this Site are detailed in the following paragraphs.

2.1.1 Corporate Health and Safety Director

The Roux Corporate Health and Safety Director is ***Mr. Michael Lesakowski***. The Corporate Health and Safety Director responsible for developing and implementing the Health and Safety program and policies for Roux, and consulting with corporate management to ensure adequate resources are available to properly implement these programs and policies. The Corporate Health and Safety Director coordinates Roux's Health and Safety training and medical monitoring programs and assists project management and field staff in developing site-specific health and safety plans.

2.1.2 Project Manager

The Project Manager for this Site is ***Mr. Bryan Mayback.*** The Project Manager has the responsibility and authority to direct all Roux work operations at the Site. The Project Manager coordinates safety and health functions with the Site Safety and Health Officer and bears ultimate responsibility for proper implementation of this HASP. They may delegate authority to expedite and facilitate any application of the program, including modifications to the overall project approach as necessary to circumvent unsafe work conditions. Specific duties of the Project Manager include:

- Preparing and coordinating the Site work plan.
- Providing Roux workers with work assignments and overseeing their performance.
- Coordinating health and safety efforts with the Site Safety and Health Officer (SSHO).
- Reviewing the emergency response coordination plan to assure its effectiveness.
- Serving as the primary liaison with Site contractors and the property owner.

2.1.3 Site Safety and Health Officer

The SSHO for this Site is ***Mr. Paul Werthman, P.G.***. The SSHO reports to the Project Manager. The SSHO is on-site or readily accessible to the Site during all work operations and has the authority to halt Site work if unsafe conditions are detected. The specific responsibilities of the SSHO are:

- Managing the safety and health functions for Roux personnel on the Site.
- Serving as the point of contact for safety and health matters.
- Ensuring that Roux field personnel working on the Site have received proper training (per 29 CFR Part 1910.120(e)), that they have obtained medical clearance to wear respiratory protection (per 29 CFR Part 1910.134), and that they are properly trained in the selection, use and maintenance of personal protective equipment, including qualitative respirator fit testing.
- Performing or overseeing Site monitoring as required by the HASP.
- Assisting in the preparation and review of the HASP.
- Maintaining site-specific safety and health records as described in this HASP.
- Coordinating with the Project Manager, Site Workers, and Contractor's SSHO as necessary for safety and health efforts.

2.1.4 Site Workers

Site workers are responsible for: complying with this HASP or a more stringent HASP, if appropriate (i.e., Contractor and Subcontractor's HASP); using proper PPE; reporting unsafe acts and conditions to the SSHO; and following the safety and health instructions of the Project Manager and SSHO.

2.1.5 Other Site Personnel

Other Site personnel who will have health and safety responsibilities will include the Drilling Contractor, who will be responsible for developing, implementing, and enforcing a Health and Safety Plan equally stringent or more stringent than Roux's HASP. Roux assumes no responsibility for the health and safety of anyone outside its direct employment. Each Contractor's HASP shall cover all non-Roux Site personnel. Each Contractor shall assign a SSHO who will coordinate with Roux's SSHO as necessary to ensure effective lines of communication and consistency between contingency plans.

In addition to Roux and Contractor personnel, other individuals who may have responsibilities in the work zone include subcontractors and governmental agencies performing Site inspection work (i.e., the New York State Department of Environmental Conservation). The Contractor shall be responsible for ensuring that these individuals have received OSHA-required training (29 CFR 1910.120(e)), including initial, refresher and site-specific training, and shall be responsible for the safety and health of these individuals while they are on-site.

3. Hazard Evaluation

Due to the presence of certain contaminants at the Site, the possibility exists that workers will be exposed to hazardous substances during field activities. The principal points of exposure would be through direct contact with and incidental ingestion of soil, and through the inhalation of contaminated particles or vapors. Other points of exposure may include direct contact with groundwater. In addition, the use of drilling and/or medium to large-sized construction equipment (e.g., excavator) will also present conditions for potential physical injury to workers. Further, since work will be performed outdoors, the potential exists for heat/cold stress to impact workers, especially those wearing protective equipment and clothing. Adherence to the medical evaluations, worker training relative to chemical hazards, safe work practices, proper personal protection, environmental monitoring, establishment work zones and Site control, appropriate decontamination procedures and contingency planning outlined herein will reduce the potential for chemical exposures and physical injuries.

3.1 Chemical Hazards

As discussed in Section 1.3, SVOC and inorganic impacts have been identified at the Site. Table 1 lists exposure limits for airborne concentrations of the COPCs identified in Section 1.4 of this HASP. Brief descriptions of the toxicology of the prevalent COPCs and related health and safety guidance and criteria are provided below.

- **Polycyclic Aromatic Hydrocarbons (PAHs)** are formed as a result of the pyrolysis and incomplete combustion of organic matter such as fossil fuel. PAH aerosols formed during the combustion process disperse throughout the atmosphere, resulting in the deposition of PAH condensate in soil, water and on vegetation. In addition, several products formed from petroleum processing operations (e.g., roofing materials and asphalt) also contain elevated levels of PAHs. Hence, these compounds are widely dispersed in the environment. PAHs are characterized by a molecular structure containing three or more fused, unsaturated carbon rings. Seven of the PAHs are classified by USEPA as probable human carcinogens (USEPA Class B2). These are: benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, (dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene. The primary route of exposure to PAHs is through incidental ingestion and inhalation of contaminated particulates. PAHs are characterized by an organic odor and exist as oily liquids in pure form. Acute exposure symptoms may include acne-type blemishes in areas of the skin exposed to sunlight.
- **Arsenic (CAS #7440-38-2)** is a naturally occurring element and is usually found combined with one or more elements, such as oxygen or sulfur. Inhalation is a more important exposure route than ingestion. First phase exposure symptoms include nausea, vomiting, diarrhea and pain in the stomach. Prolonged contact is corrosive to the skin and mucus membranes. Arsenic is considered a Group A human carcinogen by the USEPA. Exposure via inhalation is associated with an increased risk of lung cancer. Exposure via the oral route is associated with an increased risk of skin cancer.
- **Barium (CAS #7440-39-3)** Barium is a silvery-white metal that can be found in the environment, where it exists naturally. It occurs combined with other chemicals, such as sulfur, carbon or oxygen. Barium oxidizes in air, reacts vigorously with water to form hydroxide, liberating hydrogen. Barium reacts with almost all the non-metals, forming often poisoning

compounds. Flammable solid, dangerous when wet, highly toxic by ingestion. Keep away from all ignition sources. Contact with water produces flammable gas. Target organs include the central nervous system and kidneys. This material is considered hazardous by the OSHA Hazard Communication Standard (29CFR 1910.1200).

- **Lead (CAS #7439-92-1)** can affect almost every organ and system in our bodies. The most sensitive is the central nervous system, particularly in children. Lead also damages kidneys and the immune system. The effects are the same whether it is breathed or swallowed. Lead may decrease reaction time, cause weakness in fingers, wrists, or ankles, and possibly affect memory. Lead may cause anemia.
- **Mercury (CAS #7439-97-6)** is used in industrial applications for the production of caustic and chlorine, and in electrical control equipment and apparatus. Overexposure to mercury may cause coughing, chest pains, bronchitis, pneumonia, indecision, headaches, fatigue, and salivation. Mercury is a skin and eye irritant.
- **Selenium (CAS # 7782-49-2)** is a naturally occurring mineral element that is distributed widely in nature in most rocks and soils. In its pure form, it exists as metallic gray to black hexagonal crystals, but in nature it is usually combined with sulfide or with silver, copper, lead, and nickel minerals. Most processed selenium is used in the electronics industry, but it is also used: as a nutritional supplement; in the glass industry; as a component of pigments in plastics, paints, enamels, inks, and rubber; in the preparation of pharmaceuticals; as a nutritional feed additive for poultry and livestock; in pesticide formulations; in rubber production; as an ingredient in antidandruff shampoos; and as a constituent of fungicides. Radioactive selenium is used in diagnostic medicine.

With respect to the anticipated RI activities discussed in Section 1.5, possible routes of exposure to the above-mentioned contaminants are presented in Table 2. The use of proper respiratory equipment, as outlined in Section 7.0 of this HASP, will minimize the potential for exposure to airborne contamination, if deemed necessary. Exposure to contaminants through dermal and other routes will also be minimized using safe work practices (Section 6.0), protective clothing (Section 7.0), and proper decontamination procedures (Section 12.0).

3.2 Physical Hazards

RI field activities at the 619 Exchange Street Site may present the following physical hazards:

- The potential for physical injury during heavy construction equipment use, such as backhoes, excavators, and drilling equipment.
- The potential for heat/cold stress to employees during the summer/winter months (see Section 10.0).
- The potential for slip and fall injuries due to rough, uneven terrain and/or open excavations.

These hazards represent only some of the possible means of injury that may be present during RI operations and sampling activities at the Site. Since it is impossible to list all potential sources of injury, it shall be the responsibility of each individual to exercise proper care and caution during all phases of the work.

4. Training

4.1 Site Workers

All personnel performing RI activities at the Site (such as, but not limited to, equipment operators, general laborers, and drillers) and who may be exposed to hazardous substances, health hazards, or safety hazards and their supervisors/managers responsible for the Site shall receive training in accordance with 29 CFR 1910.120(e) before they are permitted to engage in operations in the exclusion zone or contaminant reduction zone. This training includes an initial 40-hour Hazardous Waste Site Worker Protection Course, an 8-hour Annual Refresher Course subsequent to the initial 40-hour training, and 3 days of actual field experience under the direct supervision of a trained, experienced supervisor. Additional site-specific training shall also be provided by the SSHO prior to the start of field activities. A description of topics to be covered by this training is provided below.

4.1.1 Initial and Refresher Training

Initial and refresher training is conducted by a qualified instructor as specified under OSHA 29 CFR 1910.120(e)(5) and is specifically designed to meet the requirements of OSHA 29 CFR 1910.120(e)(3) and 1910.120(e)(8). The training covers, as a minimum, the following topics:

- OSHA HAZWOPER regulations.
- Site safety and hazard recognition, including chemical and physical hazards.
- Medical monitoring requirements.
- Air monitoring, permissible exposure limits, and respiratory protection level classifications.
- Appropriate use of personal protective equipment (PPE), including chemical compatibility and respiratory equipment selection and use.
- Work practices to minimize risk.
- Work zones and Site control.
- Safe use of engineering controls and equipment.
- Decontamination procedures.
- Emergency response and escape.
- Confined space entry procedures.
- Heat and cold stress monitoring.
- Elements of a Health and Safety Plan.
- Spill containment.

Initial training also incorporates workshops for PPE and respiratory equipment use (Levels A, B and C), and respirator fit testing. Records and certification received from the course instructor documenting each employee's successful completion of the training identified above are maintained on file at Roux's Buffalo, NY office. Contractors and Subcontractors are required to provide similar documentation of training for all their personnel who will be involved in on-site work activities.

Any employee who has not been certified as having received health and safety training in conformance with 29 CFR 1910.120(e) is prohibited from working in the exclusion and contamination reduction zones, or to engage in any on-site work activities that may involve exposure to hazardous substances or wastes.

4.1.2 Site Training

Site workers are given a copy of the HASP and provided with a site-specific briefing prior to the commencement of work to ensure that employees are familiar with the HASP and the information and requirements it contains. The Site briefing shall be provided by the SSHO prior to initiating field activities and shall include:

- Names of personnel and alternates responsible for Site safety and health.
- Safety, health, and other hazards present on the Site.
- The site layout including work zones and places of refuge.
- The emergency communications system and emergency evacuation procedures.
- Use of PPE.
- Work practices by which the employee can minimize risks from hazards.
- Safe use of engineering controls and equipment on the site.
- Medical surveillance, including recognition of symptoms and signs of over-exposure as described in Chapter 5 of this HASP.
- Decontamination procedures as detailed in Chapter 12 of this HASP.
- The emergency response plan is detailed in Chapter 15 of this HASP.
- Confined space entry procedures, if required, as detailed in Chapter 13 of this HASP.
- The spill containment program as detailed in Chapter 9 of this HASP.
- Site control as detailed in Chapter 11 of this HASP.

Supplemental health and safety briefings will also be conducted by the SSHO on an as-needed basis during the course of the work. Supplemental briefings are provided as necessary to notify employees of any changes to this HASP as a result of information gathered during ongoing Site characterization and analysis. Conditions for which the SSHO may schedule additional briefings include but are not limited to: a change in Site conditions (e.g., based on monitoring results); changes in the work schedule/plan; newly discovered hazards; and safety incidents occurring during Site work.

4.2 Supervisor Training

On-site safety and health personnel who are directly responsible for or who supervise the safety and health of workers engaged in hazardous waste operations (i.e., SSHO) shall receive, in addition to the appropriate level of worker training described in Section 4.1, above, eight additional hours of specialized supervisory training, in compliance with 29 CFR 1910.120(e)(4).

4.3 Emergency Response Training

Emergency response training is addressed in Attachment A of this HASP, Emergency Response Plan.

4.4 Site Visitors

Each Contractor's SSHO will provide a site-specific briefing to all Site visitors and other non-Roux personnel who enter the Site beyond the Site entry point. The site-specific briefing will provide information about Site hazards, the Site layout including work zones and places of refuge, the emergency communications system and emergency evacuation procedures, and other pertinent safety and health requirements as appropriate.

Site visitors will not be permitted to enter the exclusion zone or contaminant reduction zones unless they have received the level of training required for Site workers as described in Section 4.1.

5. Medical Monitoring

Medical monitoring examinations are provided to Roux employees as stipulated under 29 CFR Part 1910.120(f). These exams include initial employment, annual and employment termination physicals for all Roux employees involved in hazardous waste site field operations. Post-exposure examinations are also provided for employees who may have been injured, received a health impairment, or developed signs or symptoms of over-exposure to hazardous substances or were accidentally exposed to substances at concentrations above the permissible exposure limits without necessary personal protective equipment. Such exams are performed as soon as possible following development of symptoms or the known exposure event.

Medical evaluations are performed by Health Works, an occupational health care provider under contract with Roux. Health Works is in Seneca Square Plaza, 1900 Ridge Road, West Seneca, New York 14224. The facility can be reached at (716) 823-5050 to schedule routine appointments or post-exposure examinations.

Medical evaluations are conducted according to the Roux Medical Monitoring Program and include an evaluation of the workers' ability to use respiratory protective equipment. The examinations include:

- Occupational/medical history review.
- Physical exam, including vital sign measurement.
- Spirometry testing.
- Eyesight testing.
- Audio testing (minimum baseline and exit, annual for employees routinely exposed to greater than 85db).
- EKG (for employees >40 yrs age or as medical conditions dictate).
- Chest X-ray (baseline and exit, and every 5 years).
- Blood biochemistry (including blood count, white cell differential count, serum multiplastic screening).
- Medical certification of physical requirements (i.e., sight, musculoskeletal, cardiovascular) for safe job performance and to wear respiratory protection equipment.

The purpose of the medical evaluation is to determine an employee's fitness for duty on hazardous waste sites; and to establish baseline medical data. In conformance with OSHA regulations, Roux will maintain and preserve medical records for a period of 30 years following termination of employment. Employees are provided with a copy of the physician's post-exam report and have access to their medical records and analyses.

6. Safe Work Practices

All Roux employees shall conform to the following safe work practices during all on-site work activities conducted within the exclusion and contamination reduction zones:

- Eating, drinking, chewing gum or tobacco, smoking, or any practice that increases the probability of hand-to-mouth contact is strictly prohibited.
- The hands and face must be thoroughly washed upon leaving the work area and prior to engaging in any activity indicated above.
- Respiratory protective equipment and clothing must be worn by all personnel entering the Site as required by the HASP or as modified by the Site safety officer. Excessive facial hair (i.e., beards, long mustaches, or sideburns) that interferes with the satisfactory respirator-to-face seal is prohibited.
- Contact with surfaces/materials either suspected or known to be contaminated will be avoided to minimize the potential for transfer to personnel, cross contamination and need for decontamination.
- Medicine and alcohol can synergize the effects of exposure to toxic chemicals. Due to possible contraindications, use of prescribed drugs should be reviewed with the Roux occupational physician. Alcoholic beverages and illegal drug intake are strictly forbidden during the workday.
- All personnel shall be familiar with standard operating safety procedures and additional instructions contained in this Health and Safety Plan.
- On-site personnel shall use the “buddy” system. No one may work alone (i.e., out of earshot or visual contact with other workers) in the exclusion zone.
- Personnel and equipment in the contaminated area shall be minimized, consistent with effective Site operations.
- All employees have the obligation to immediately report and if possible, correct unsafe work conditions.
- Use of contact lenses on-site will not be permitted. Spectacle kits for insertion into full-face respirators will be provided for Roux employees, as requested, and required.

The recommended specific safety practices for working around the contractor’s equipment (e.g., backhoes, bulldozers, excavators, drill rigs etc.) are as follows:

- Although the Contractor and subcontractors are responsible for their equipment and safe operation of the Site, Roux personnel are also responsible for their own safety.
- Subsurface work will not be initiated without first clearing underground utility services.
- Heavy equipment should not be operated within 20 feet of overhead wires. This distance may be increased if windy conditions are anticipated or if lines carry high voltage. The Site should also be sufficiently clear to ensure the project staff can move around the heavy machinery safely.
- Care should be taken to avoid overhead wires when moving heavy equipment from location

to location.

- Hard hats, safety boots and safety glasses should be always worn in the vicinity of heavy equipment. Hearing protection is also recommended.
- The work Site should be kept neat. This will prevent personnel from tripping and will allow for fast emergency exit from the Site.
- Proper lighting must be provided when working at night.
- Construction activities should be discontinued during an electrical storm or severe weather conditions.
- The presence of combustible gases should be checked before igniting any open flame.
- Personnel shall stand upwind of any construction operation when not immediately involved in sampling/logging/observing activities.
- Personnel will not approach the edge of an unsecured trench/excavation closer than two feet.

7. Personal Protective Equipment

7.1 Equipment Selection

PPE will be donned when work activities may result in exposure to physical or chemical hazards beyond acceptable limits, and when such exposure can be mitigated through appropriate PPE. The selection of PPE will be based on an evaluation of the performance characteristics of the PPE relative to the requirements and limitations of the Site, the task-specific conditions and duration, and the hazards and potential hazards identified at the Site.

Equipment designed to protect the body against contact with known or suspected chemical hazards are grouped into four categories according to the degree of protection afforded. These categories designated A through D consistent with United States Environmental Protection Agency (USEPA) Level of Protection designation, are:

- Level A: Should be selected when the highest level of respiratory, skin and eye protection is needed.
- Level B: Should be selected when the highest level of respiratory protection is needed, but a lesser level of skin protection is required. Level B protection is the minimum level recommended on initial Site entries until the hazards have been further defined by on-site studies. Level B (or Level A) is also necessary for oxygen-deficient atmospheres.
- Level C: Should be selected when the types of airborne substances are known, the concentrations have been measured and the criteria for using air-purifying respirators are met. In atmospheres where no airborne contaminants are present, Level C provides dermal protection only.
- Level D: Should not be worn on any Site with elevated respiratory or skin hazards. This is generally a work uniform providing minimal protection.

OSHA requires the use of certain PPE under conditions where an immediate danger to life and health (IDLH) may be present. Specifically, OSHA 29 CFR 1910.120(g)(3)(iii) requires use of a positive pressure self-contained breathing apparatus, or positive pressure air-line respirator equipped with an escape air supply when chemical exposure levels present a substantial possibility of immediate serious injury, illness, or death, or impair the ability to escape. Similarly, OSHA 29 CFR 1910.120(g)(3)(iv) requires donning totally encapsulating chemical protective suits (with a protection level equivalent to Level A protection) in conditions where skin absorption of a hazardous substance may result in a substantial possibility of immediate serious illness, injury, or death, or impair the ability to escape.

In situations where the types of chemicals, concentrations, and possibilities of contact are unknown, the appropriate level of protection must be selected based on professional experience and judgment until the hazards can be further characterized. The individual components of clothing and equipment must be assembled into a full protective ensemble to protect the worker from site-specific hazards, while at the same time minimizing hazards and drawbacks of the personal protective gear itself. Ensemble components are detailed below for levels A/B, C, and D protection.

7.2 Protection Ensembles

7.2.1 Level A/B Protection Ensemble

Level A/B ensembles include similar respiratory protection; however, Level A provides a higher degree of dermal protection than Level B. Use of Level A over Level B is determined by comparing the concentrations of identified substances in the air with skin toxicity data and assessing the effect of the substance (by its measured air concentrations or splash potential) on the small area of the head and neck unprotected by Level B clothing.

The recommended PPE for level A/B is:

- Pressure-demand, full-face piece self-contained breathing apparatus (MSHA/-NIOSH approved) or pressure-demand supplied-air respirator with escape self-contained breathing apparatus (SCBA);
- Chemical-resistant clothing. For Level A, clothing consists of totally encapsulating chemical resistant suit. Level B incorporates hooded one-or two-piece chemical splash suit;
- Inner and outer chemical resistant gloves;
- Chemical-resistant safety boots/shoes; and
- Hardhat.

7.2.2 Level C Protection Ensemble

Level C protection is distinguished from Level B by the equipment used to protect the respiratory system, assuming the same type of chemical-resistant clothing is used. The main selection criterion for Level C is that conditions permit wearing an air-purifying device. The device (when required) must be an air-purifying respirator (MSHA/NIOSH approved) equipped with filter cartridges. Cartridges must be able to remove the substances encountered. Respiratory protection will be used only with proper fitting, training, and the approval of a qualified individual. In addition, an air-purifying respirator can be used only if: oxygen content of the atmosphere is at least 19.5% in volume; substances are identified and concentrations measured; substances have adequate warning properties; the individual passes a qualitative fit-test for the mask; and an appropriate cartridge/canister is used, and its service limit concentration is not exceeded.

Recommended PPE for Level C conditions includes:

- Full-face piece, air-purifying respirator equipped with MSHA and NIOSH approved organic vapor/acid gas/dust/mist combination cartridges or as designated by the SSHO;
- Chemical-resistant clothing (hooded, one or two-piece chemical splash suit or disposable chemical-resistant one-piece suit);
- Inner and outer chemical-resistant gloves;
- Chemical-resistant safety boots/shoes; and
- Hardhat.

An air-monitoring program is part of all response operations when atmospheric contamination is known or suspected. It is particularly important that the air be monitored thoroughly when personnel are wearing

air-purifying respirators. Continual surveillance using direct-reading instruments is needed to detect any changes in air quality necessitating a higher level of respiratory protection.

7.2.3 Level D Protection Ensemble

As indicated above, Level D protection is primarily a work uniform. It can be worn in areas where only boots can be contaminated, where there are no inhalable toxic substances and where the atmosphere contains at least 19.5% oxygen.

Recommended PPE for Level D includes:

- Coveralls;
- Safety boots/shoes;
- Safety glasses or chemical splash goggles;
- Hardhat; and
- Optional gloves, escape mask; face shield.

7.2.4 Recommended Level of Protection for Site Tasks

Based upon current information regarding both the contaminants suspected to be present at the Site and the various tasks that are included in the remedial activities, the minimum required levels of protection for these tasks shall be as identified in Table 3.

8. Exposure Monitoring

8.1 General

Based on the results of historic sample analysis and the nature of the proposed work activities at the Site, the possibility exists that organic vapors and/or particulates may be released to the air during intrusive construction activities. Ambient breathing zone concentrations may at times exceed the permissible exposure limits (PELs) established by OSHA for the individual compounds (see Table 1), in which case respiratory protection will be required. Respiratory and dermal protection may be modified (upgraded or downgraded) by the SSHO based upon real-time field monitoring data.

8.1.1 On-Site Work Zone Monitoring

Roux personnel will conduct routine, real-time air monitoring during all intrusive construction phases such as excavation, backfilling, drilling, etc. The work area will be monitored at regular intervals using a PID, combustible gas meter and a particulate meter. Observed values will be recorded and maintained as part of the permanent field record.

Additional air monitoring measurements may be made by Roux personnel to verify field conditions during subcontractor oversight activities. Monitoring instruments will be protected from surface contamination during use. Additional monitoring instruments may be added if the situations or conditions change. Monitoring instruments will be calibrated in accordance with manufacturer's instructions before use.

8.1.2 Off-Site Community Air Monitoring

In addition to on-site monitoring within the work zone(s), monitoring at the downwind portion of the Site perimeter will be conducted. This will provide a real-time method for determination of vapor and/or particulate releases to the surrounding community as a result of ground intrusive investigation work.

Ground intrusive activities are defined in the Generic Community Air Monitoring Plan and attached as Attachment C. Ground intrusive activities include soil/waste excavation and handling, test pitting or trenching, and the installation of soil borings or monitoring wells. Non-intrusive activities include the collection of soil and sediment samples or the collection of groundwater samples from existing wells. Continuous monitoring is required for ground intrusive activities and periodic monitoring is required for non-intrusive activities. Periodic monitoring consists of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring while bailing a well, and taking a reading prior to leaving a sampling location. This may be upgraded to continuous if the sampling location is in close proximity to individuals not involved in the Site activity (i.e., on a curb of a busy street). The action levels below will be used during periodic monitoring.

8.2 Monitoring Action Levels

8.2.1 On-Site Work Zone Action Levels

The PID, or other appropriate instrument(s), will be used by Roux personnel to monitor organic vapor concentrations as specified in this HASP. Combustible gas will be monitored with the “combustible gas” option on the combustible gas meter or other appropriate instrument(s). In addition, fugitive dust/particulate concentrations will be monitored during major soil intrusion (viz., well/boring installation)

using a real-time particulate monitor as specified in this plan. In the absence of such monitoring, appropriate respiratory protection for particulates shall be donned. Sustained readings obtained in the breathing zone may be interpreted (with regard to other Site conditions) as follows for Roux personnel:

- Total atmospheric concentrations of unidentified vapors or gases ranging from 0 to 1 ppm above background on the PID) - Continue operations under Level D (see Appendix A).
- Total atmospheric concentrations of unidentified vapors or gases yielding sustained readings from >1 ppm to 5 ppm above background on the PID (vapors not suspected of containing high levels of chemicals toxic to the skin) - Continue operations under Level C (see Appendix A).
- Total atmospheric concentrations of unidentified vapors or gases yielding sustained readings of >5 ppm to 50 ppm above background on the PID - Continue operations under Level B (see Appendix A), re-evaluate and alter (if possible) construction methods to achieve lower vapor concentrations.
- Total atmospheric concentrations of unidentified vapors or gases above 50 ppm on the PID - Discontinue operations and exit the work zone immediately.

The particulate monitor will be used to monitor respirable dust concentrations during all intrusive activities and during handling of Site soil/fill. Action levels based on the instrument readings shall be as follows:

- Less than 50 mg/m^3 - Continue field operations.
- 50-150 mg/m^3 - Don dust/particulate mask or equivalent
- Greater than 150 mg/m^3 - Don dust/particulate mask or equivalent. Initiate engineering controls to reduce respirable dust concentration (viz., wetting of excavated soils or tools at discretion of Site Health and Safety Officer).

Readings from the field equipment will be recorded and documented on the appropriate Project Field Forms. All instruments will be calibrated before use daily and the procedure will be documented on the appropriate Project Field Forms.

8.2.2 Community Air Monitoring Action Levels

In addition to the action levels prescribed in Section 8.2.1 for Roux personnel on-site, the following criteria shall also be adhered to for the protection of downwind receptors consistent with NYSDOH requirements (Attachment C):

- ORGANIC VAPOR PERIMETER MONITORING:

1. If the sustained ambient air concentration of organic vapors at the downwind perimeter of the exclusion zone exceeds 5 ppm above background for the 15-minute average, work activities will be temporarily halted and monitoring continued. If the sustained organic vapor decreases below 5 ppm over background, work activities can resume with continued monitoring.
2. If the sustained ambient air concentration of organic vapors at the downwind perimeter of the exclusion zone are greater than 5 ppm over background but less than 25 ppm for the 15-minute average, activities can resume provided that: the organic vapor level 200 feet downwind of the working site or half the distance to the nearest off-site residential or

commercial structure, whichever is less, but in no case less than 20 feet, is below 5 ppm over background; and more frequent intervals of monitoring, as directed by the Site Health and Safety Officer, are conducted.

3. If the sustained organic vapor level is above 25 ppm at the perimeter of the exclusion zone for the 15-minute average, the Site Health and Safety Officer must be notified, and work activities shut down. The Site Health and Safety Officer will determine when re-entry of the exclusion zone is possible and will implement downwind air monitoring to ensure vapor emissions do not impact the nearest off-site residential or commercial structure at levels exceeding those specified in the Organic Vapor Contingency Monitoring Plan below. All readings will be recorded and will be available for New York State Department of Environmental Conservation (DEC) and Department of Health (DOH) personnel to review.

- ORGANIC VAPOR CONTINGENCY MONITORING PLAN:

1. If the sustained organic vapor level is greater than 5 ppm over background 200 feet downwind from the work area or half the distance to the nearest off-site residential or commercial property, whichever is less, all work activities must be halted.
2. If, following the cessation of the work activities or as the result of an emergency, sustained organic levels persist above 5 ppm above background 200 feet downwind or half the distance to the nearest off-site residential or commercial property from the work area, then the air quality must be monitored within 20 feet of the perimeter of the nearest off-site residential or commercial structure (20-foot zone).
3. If efforts to abate the emission source are unsuccessful and if sustained organic vapor levels approach or exceed 5 ppm above background within the 20-foot zone for more than 30 minutes or are sustained at levels greater than 10 ppm above background for longer than one minute, then the Major Vapor Emission Response Plan (see below) will automatically be placed into effect.

- MAJOR VAPOR EMISSION RESPONSE PLAN:

Upon activation, the following activities will be undertaken:

1. All Emergency Response Contacts listed in this Health and Safety Plan and the Emergency Response Plan (Attachment A) will be advised.
2. The local police authorities will immediately be contacted by the Site Health and Safety Officer and advised of the situation.
3. Frequent air monitoring will be conducted at 30-minute intervals within the 20-foot zone. If two sustained successive readings below action levels are measured, air monitoring may be halted or modified by the Site Health and Safety Officer.

The following personnel are to be notified in the listed sequence if a Major Vapor Emission Plan is activated:

Responsible Person	Contact	Phone Number
SSHO	Police	911
SSHO	State Emergency Response Hotline	(800) 457-7362

Additional emergency numbers are listed in the Emergency Response Plan included as Attachment A.

- EXPLOSIVE VAPORS:

1. Sustained atmospheric concentrations of greater than 10% LEL in the work area - Initiate combustible gas monitoring at the downwind portion of the Site perimeter.
2. Sustained atmospheric concentrations of greater than 10% LEL at the downwind Site perimeter – Halt work and contact local Fire Department.

- AIRBORNE PARTICULATE COMMUNITY AIR MONITORING

Respirable (PM-10) particulate monitoring will be performed on a continuous basis at the upwind and downwind perimeter of the exclusion zone. The monitoring will be performed using real-time monitoring equipment capable of measuring PM-10 and integrating over a period of 15-minutes for comparison to the airborne particulate action levels. The equipment will be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration will be visually assessed during all work activities. All readings will be recorded and will be available for NYSDEC and NYSDOH review. Readings will be interpreted as follows:

1. If the downwind PM-10 particulate level is 100 micrograms per cubic meter (ug/m3) greater than the background (upwind perimeter) reading for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques must be employed. Work may continue with dust suppression provided that the downwind PM-10 particulate levels do not exceed 150 ug/m3 above the upwind level and that visible dust is not migrating from the work area.
2. If, after implementation of dust suppression techniques downwind PM-10 levels are greater than 150 ug/m3 above the upwind level, work activities must be stopped and dust suppression controls re-evaluated. Work can resume provided that supplemental dust suppression measures and/or other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 ug/m3 of the upwind level and in preventing visible dust migration.

Pertinent emergency response information including the telephone number of the Fire Department is included in the Emergency Response Plan (Attachment A).

9. Spill Release/Response

This chapter of the HASP describes the potential for, and procedures related to spills or releases of known or suspected petroleum and/or hazardous substances on the Site. The purpose of this Section of the HASP is to plan appropriate response, control, countermeasures, and reporting, consistent with OSHA requirements in 29 CFR 1910.120(b)(4)(ii)(J) and (j)(1)(viii). The spill containment program addresses the following elements:

- Potential hazardous material spills and available controls.
- Initial notification and evaluation.
- Spill response.
- Post-spill evaluation.

9.1 Potential Spills and Available Controls

An evaluation was conducted to determine the potential for hazardous material and oil/petroleum spills at this Site. For this evaluation, hazardous materials posing a significant spill potential are:

- CERCLA Hazardous Substances as identified in 40 CFR Part 302, where such materials pose the potential for release in excess of their corresponding Reportable Quantity (RQ).
- Extremely Hazardous Substances as identified in 40 CFR Part 355, Appendix A, where such materials pose the potential for release in excess of their corresponding Reportable Quantity (RQ).
- Hazardous Chemicals as defined under Section 311(e) of the Emergency Planning and Community Right-To-Know Act of 1986, where such chemicals are present or will be stored in excess of 10,000 lbs.
- Toxic Chemicals as defined in 40 CFR Part 372, where such chemicals are present or will be stored in excess of 10,000 lbs.
- Chemicals regulated under 6NYCRR Part 597, where such materials pose the potential for release in excess of their corresponding Reportable Quantity (RQ).
- Oil/petroleum products are considered to pose a significant spill potential whenever the following situations occur:
- The potential for a “harmful quantity” of oil (including petroleum and non-petroleum-based fuels and lubricants) to reach navigable waters of the U.S. exists (40 CFR Part 112.4). Harmful quantities are considered by USEPA to be volumes that could form a visible sheen on the water or violate applicable water quality standards.
- The potential for any amount of petroleum to reach any waters of NY State, including groundwater, exists. Petroleum, as defined by NY State in 6NYCRR Part 612, is a petroleum-based heat source, energy source, or engine lubricant/maintenance fluid.
- The potential for any release, to soil or water, of petroleum from a bulk storage facility regulated under 6NYCRR Part 612. A regulated petroleum storage facility is defined by NY State as a site having stationary tank(s) and intra-facility piping, fixtures, and related equipment with an aggregate storage volume of 1,100 gallons or greater.

The evaluation indicates that, based on Site history and decommissioning records, a hazardous material spill and/or a petroleum product spill is not likely to occur during RI efforts.

9.2 Initial Spill Notification and Evaluation

Any worker who discovers a hazardous substance or oil/petroleum spill will immediately notify the Project Manager and SSHO. The worker will, to the best of his/her ability, report the material involved, the location of the spill, the estimated quantity of material spilled, the direction/flow of the spill material, related fire/explosion incidents, if any, and any associated injuries. The Emergency Response Plan presented in Appendix A of this HASP will immediately be implemented if an emergency release has occurred.

Following the initial report of a spill, the Project Manager will make an evaluation as to whether the release exceeds RQ levels. If an RQ level is exceeded, the Project Manager will notify the Site owner and NYSDEC at 1-800-457-7362 within 2 hours of spill discovery. The Project Manager will also determine what additional agencies (e.g., USEPA) are to be contacted regarding the release, and will follow up with written reports as required by the applicable regulations.

9.3 Spill Response

For all spill situations, the following general response guidelines will apply:

- Only those personnel involved in overseeing or performing containment operations will be allowed within the spill area. If necessary, the area will be roped, ribboned, or otherwise blocked off to prevent unauthorized access.
- Appropriate PPE, as specified by the SSHO, will be donned before entering the spill area.
- Ignition points will be extinguished/removed if fire or explosion hazards exist.
- Surrounding reactive materials will be removed.
- Drains or drainage in the spill area will be blocked to prevent inflow of spilled materials or applied materials.

For minor spills, the Contractor will maintain a Spill Control and Containment Kit in the Field Office or other readily accessible storage location. The kit will consist of, at a minimum, a 50 lb. bag of “speedy dry” granular absorbent material, absorbent pads, shovels, empty 5-gallon pails and an empty open-top 55-gallon drum. Spilled materials will be absorbed and shoveled into a 55-gallon drum for proper disposal (NYSDEC approval will be secured for on-site treatment of the impacted soils/absorbent materials, if applicable). Impacted soils will be hand-excavated to the point that no visible signs of contamination remain and will be drummed with the absorbent.

In the event of a major release or a release that threatens surface water, a spill response contractor will be called to the Site. The response contractor may use heavy equipment (e.g., excavator, backhoe, etc.) to berm the soils surrounding the spill Site or create diversion trenching to mitigate overland migration or release to navigable waters. Where feasible, pumps will be used to transfer free liquid to storage containers. Spill control/cleanup contractors in the Western New York area that may be contacted for assistance include:

- The Environmental Service Group of NY, Inc.: (716) 695-6720
- Environmental Products and Services, Inc.: (716) 447-4700

- Op-Tech: (716) 873-7680

9.4 Post-Spill Evaluation

If a reportable quantity of hazardous material or oil/petroleum is spilled as determined by the Project Manager, a written report will be prepared as indicated in Section 9.2. The report will identify the root cause of the spill, type and amount of material released, date/time of release, response actions, agencies notified and/or involved in cleanup, and procedures to be implemented to avoid repeat incidents. In addition, all re-useable spill cleanup and containment materials will be decontaminated, and spill kit supplies/disposable items will be replenished.

10. Heat/Cold Stress Monitoring

Since some of the work activities at the Site will be scheduled for both the summer and winter months, measures will be taken to minimize heat/cold stress to Roux employees. The Site Safety and Health Officer and/or his or her designee will be responsible for monitoring Roux field personnel for symptoms of heat/cold stress.

10.1 Heat Stress Monitoring

Personal protective equipment may place an employee at risk of developing heat stress, a common and potentially serious illness often encountered at construction, landfill, waste disposal, industrial or other unsheltered sites. The potential for heat stress is dependent on several factors, including environmental conditions, clothing, workload, physical condition, and age. Personal protective equipment may severely reduce the body's normal ability to maintain temperature equilibrium (via evaporation and convection) and require increased energy expenditure due to its bulk and weight.

Proper training and preventive measures will mitigate the potential for serious illness. Heat stress prevention is particularly important because once a person suffers from heat stroke or heat exhaustion, that person may be predisposed to additional heat related illness. To avoid heat stress, the following steps should be taken:

- Adjust work schedules.
- Modify work/rest schedules according to monitoring requirements.
- Mandate work slowdowns as needed.
- Perform work during cooler hours of the day if possible or at night if adequate lighting can be provided.
- Provide shelter (air-conditioned, if possible) or shaded areas to protect personnel during rest periods.
- Maintain worker's body fluids at normal levels. This is necessary to ensure that the cardiovascular system functions adequately. Daily fluid intake must approximately equal the amount of water lost in sweat (i.e., eight fluid ounces must be ingested for approximately every 1 lb of weight lost). The normal thirst mechanism is not sensitive enough to ensure that enough water will be consumed to replace lost perspiration. When heavy sweating occurs, workers should be encouraged to drink more.
- Train workers to recognize the symptoms of heat related illness.

Heat-Related Illness - Symptoms:

- Heat rash may result from continuous exposure to heat or humid air.
- Heat cramps are caused by heavy sweating with inadequate electrolyte replacement. Signs and symptoms include muscle spasms, pain in the hands, feet, and abdomen.
- Heat exhaustion occurs from increased stress on various body organs including inadequate blood circulation due to cardiovascular insufficiency or dehydration. Signs and symptoms include pale, cool, moist skin; heavy sweating; dizziness; nausea; fainting.

- Heat stroke is the most serious form of heat stress. Temperature regulation fails and the body temperature rises to critical levels. Immediate action must be taken to cool the body before serious injury and death occur. Competent medical help must be obtained. Signs and symptoms are red, hot, usually dry skin; lack of or reduced perspiration; nausea; dizziness and confusion; strong, rapid pulse; coma.

The monitoring of personnel wearing protective clothing should commence when the ambient temperature is 70 degrees Fahrenheit or above. For monitoring the body's recuperative ability to excess heat, one or more of the following techniques should be used as a screening mechanism.

- Heart rate may be measured by the radial pulse for 30 seconds as early as possible in the resting period. The rate at the beginning of the rest period should not exceed 100 beats per minute. If the rate is higher, the next work period should be shortened by 10 minutes (or 33%), while the length of the rest periods stay the same. If the pulse rate is 100 beats per minute at the beginning of the nest rest period, the following work cycle should be further shortened by 33%.
- Body temperature may be measured orally with a clinical thermometer as early as possible in the resting period. Oral temperature at the beginning of the rest period should not exceed 99.6 degrees Fahrenheit. If it does, the next work period should be shortened by 10 minutes (or 33%), while the length of the rest period remains the same. However, if the oral temperature exceeds 99.6 degrees Fahrenheit at the beginning of the next period, the work cycle may be further shortened by 33%. Oral temperature should be measured at the end of the rest period to make sure that it has dropped below 99.6 degrees Fahrenheit. No Roux employee will be permitted to continue wearing semi-permeable or impermeable garments when his/her oral temperature exceeds 100.6 degrees Fahrenheit.

10.2 Cold Stress Monitoring

Exposure to cold conditions may result in frostbite or hypothermia, each of which progresses in stages as shown below.

- Frostbite occurs when body tissue (usually on the extremities) begins to freeze. The three states of frostbite are:

1. Frost nip - This is the first stage of the freezing process. It is characterized by a whitened area of skin, along with a slight burning or painful sensation. Treatment consists of removing the victim from the cold conditions, removal of boots and gloves, soaking the injured part in warm water (102 to 108 degrees Fahrenheit) and drinking a warm beverage. Do not rub skin to generate friction/ heat.
2. Superficial Frostbite - This is the second stage of the freezing process. It is characterized by a whitish gray area of tissue, which will be firm to the touch but will yield little pain. The treatment is identical for Frost nip.
3. Deep Frostbite - In this final stage of the freezing process the affected tissue will be cold, numb, and hard and will yield little to no pain. Treatment is identical to that for Frost nip.

- Hypothermia is a serious cold stress condition occurring when the body loses heat at a rate faster than it is produced. If untreated, hypothermia may be fatal. The stages of hypothermia may not be clearly defined or visible at first, but generally include:

1. Shivering

2. Apathy (i.e., a change to an indifferent or uncaring mood)
3. Unconsciousness
4. Bodily freezing

Employees exhibiting signs of hypothermia should be treated by medical professionals. Steps that can be taken while awaiting help include:

1. Remove the victim from the cold environment and remove wet or frozen clothing. (Do this carefully as frostbite may have started.)
2. Perform active re-warming with hot liquids for drinking (Note: do not give the victim any liquid containing alcohol or caffeine) and a warm water bath (102 to 108 degrees Fahrenheit).
3. Perform passive re-warming with a blanket or jacket wrapped around the victim.

In any potential cold stress situation, it is the responsibility of the Site Health and Safety Officer to encourage the following:

- Education of workers to recognize the symptoms of frostbite and hypothermia.
- Workers should dress warmly, with more layers of thin clothing as opposed to one thick layer.
- Personnel should remain active and keep moving.
- Personnel should be allowed to take shelter in a heated area, as necessary.
- Personnel should drink warm liquids (no caffeine or alcohol if hypothermia has set in).
- For monitoring the body's recuperation from excess cold, oral temperature recordings should occur:

1. At the Site Safety Technicians discretion when suspicion is based on changes in a worker's performance or mental status.
2. At a worker's request.
3. As a screening measure, two times per shift, under unusually hazardous conditions (e.g., wind chill less than 20 degrees Fahrenheit or wind chill less than 30 degrees Fahrenheit with precipitation).
4. As a screening measure, whenever anyone worker on-site develops hypothermia.

Any person developing moderate hypothermia (a core body temperature of 92 degrees Fahrenheit) will not be allowed to return to work for 48 hours without the recommendation of a qualified medical doctor.

11. Work Zones and Site Control

Work zones around the areas designated for construction activities will be established daily and communicated to all employees and other Site users by the SSHO. It shall be each Contractor's Site Safety and Health Officer's responsibility to ensure that all Site workers are aware of the work zone boundaries and to enforce proper procedures in each area. The zones will include:

- Exclusion Zone ("Hot Zone") - The area where contaminated materials may be exposed, excavated, or handled and all areas where contaminated equipment or personnel may travel. Flagging tape will delineate the zone. All personnel entering the Exclusion Zone must wear the prescribed level of personal protective equipment identified in Section 7.
- Contamination Reduction Zone - The zone where decontamination of personnel and equipment takes place. Any potentially contaminated clothing, equipment and samples must remain in the Contamination Reduction Zone until decontaminated.
- Support Zone - The part of the site that is considered non-contaminated or "clean." Support equipment will be in this zone, and personnel may wear normal work clothes within this zone.

In the absence of other task-specific work zone boundaries established by the SSHO, the following boundaries will apply to all investigation and construction activities involving disruption or handling of Site soils or groundwater:

- Exclusion Zone: 50-foot radius from the outer limit of the sampling/construction activity.
- Contaminant Reduction Zone: 100-foot radius from the outer limit of the sampling/construction activity.
- Support Zone: Areas outside the Contaminant Reduction Zone.

Access of non-essential personnel to the Exclusion and Contamination Reduction Zones will be strictly controlled by the SSHO. Only personnel who are essential to the completion of the task will be allowed access to these areas and only if they are wearing the prescribed level of protection. Entrance of all personnel must be approved by the SSHO.

The SSHO will maintain a Health and Safety Logbook containing the names of Roux workers and their level of protection. The zone boundaries may be changed by the SSHO as environmental conditions warrant, and to respond to the necessary changes in work locations on-site.

12. Decontamination

12.1 Decontamination for Roux Employees

The degree of decontamination required is a function of a particular task and the environment within which it occurs. The following decontamination procedure will remain flexible, thereby allowing the decontamination crew to respond appropriately to the changing environmental conditions that may arise at the Site. All Roux personnel on-site shall follow the procedure below, or the Contractor's procedure (if applicable), whichever is more stringent.

Station 1 - Equipment Drop: Deposit visibly contaminated (if any) re-useable equipment used in the contamination reduction and exclusion zones (tools, containers, monitoring instruments, radios, clipboards, etc.) on plastic sheeting.

Station 2 - Boots and Gloves Wash and Rinse: Scrub outer boots and outer gloves. Deposit tape and gloves in waste disposal container.

Station 3 - Tape, Outer Boot and Glove Removal: Remove tape, outer boots, and gloves. Deposit tape and gloves in waste disposal container.

Station 4 - Canister or Mask Change: If a worker leaves exclusion zones to change canister (or mask), this is the last step in the decontamination procedure. Worker's canister is exchanged, new outer gloves and boot cover donned, and worker returns to duty.

Station 5 - Outer Garment/Face Piece Removal: Protective suit removed and deposited in separate container provided by Contractor. Face piece or goggles are removed if used. Avoid touching face with fingers. Face piece and/or goggles deposited on plastic sheet. Hard hat removed and placed on plastic sheet.

Station 6 - Inner Glove Removal: Inner gloves are the last personal protective equipment to be removed. Avoid touching the outside of the gloves with bare fingers. Dispose of these gloves in waste disposal container.

Following PPE removal, personnel shall wash hands, face, and forearms with absorbent wipes. If field activities proceed for duration of six consecutive months or longer, shower facilities will be provided for worker use in accordance with OSHA 29 CFR 1910.120(n).

12.2 Decontamination for Medical Emergencies

In the event of a minor, non-life-threatening injury, personnel should follow the decontamination procedures as defined, and then administer first-aid.

In the event of a major injury or other serious medical concern (e.g., heat stroke), immediate first aid is to be administered and the victim transported to the hospital in lieu of further decontamination efforts unless exposure to a Site contaminant would be considered "Immediately Dangerous to Life or Health."

12.3 Decontamination of Field Equipment

The Contractor, in accordance with his approved Health and Safety Plan in the Contamination Reduction The Contractor, in accordance with his approved Health and Safety Plan in the Contamination Reduction

Zone will conduct decontamination of heavy equipment. As a minimum, this will include manually removing heavy soil contamination, followed by steam cleaning on an impermeable pad.

Roux personnel will conduct decontamination of all tools used for sample collection purposes. It is expected that all tools will be constructed of nonporous, nonabsorbent materials (i.e., metal), which will aid in the decontamination effort. Any tool or part of a tool made of porous, absorbent material (i.e., wood) will be placed into suitable containers and prepared for disposal.

Decontamination of bailers, split-spoons, spatula knives, and other tools used for environmental sampling and examination shall be as follows:

- Disassemble the equipment.
- Water wash to remove all visible foreign matter.
- Wash with detergent.
- Rinse all parts with distilled-deionized water.
- Allow to air dry.
- Wrap all parts in aluminum foil or polyethylene.

13. Confined Space Entry

OSHA 29 CFR 1910.146 identifies a confined space as a space that is large enough and so configured that an employee can physically enter and do assigned work, has limited or restricted means for entry and exit, and is not intended for continuous employee occupancy. Confined spaces include, but are not limited to, trenches, storage tanks, process vessels, pits, sewers, tunnels, underground utility vaults, pipelines, sumps, wells, and excavations.

Confined space entry by Roux employees is not anticipated to be necessary to complete the RI activities identified in Section 2.0. In the event that the scope of work changes or confined space entry appears necessary, the Project Manager will be consulted to determine if feasible engineering alternatives to confined space entry can be implemented. If confined space entry by Roux employees cannot be avoided through reasonable engineering measures, task-specific confined space entry procedures will be developed, and a confined-space entry permit will be issued through Roux's corporate Health and Safety Director. Roux employees shall not enter a confined space without these procedures and permits in place.

14. Fire Prevention and Protection

14.1 General Approach

Recommended practices and standards of the National Fire Protection Association (NFPA) and other applicable regulations will be followed in the development and application of Project Fire Protection Programs. When required by regulatory authorities, the project management will prepare and submit a Fire Protection Plan for the approval of the contracting officers, authorized representative, or other designated official. Essential considerations for the Fire Protection Plan will include:

- Proper Site preparation and safe storage of combustible and flammable materials.
- Availability of coordination with private and public fire authorities.
- Adequate job-site fire protection and inspections for fire prevention.
- Adequate indoctrination and training of employees.

14.2 Equipment and Requirements

Fire extinguishers will be provided by each Contractor and are required on all heavy equipment and in each field trailer. Fire extinguishers will be inspected, serviced, and maintained in accordance with the manufacturer's instructions. As a minimum, all extinguishers shall be checked monthly and weighed semi-annually, and recharged if necessary. Recharge or replacement shall be mandatory immediately after each use.

14.3 Flammable and Combustible Substances

All storage, handling or use of flammable and combustible substances will be under the supervision of qualified persons. All tanks, containers, and pumping equipment, whether portable or stationary, used for the storage and handling of flammable and combustible liquids, will meet the recommendations of the National Fire Protection Association.

14.4 Hot Work

If the scope of work necessitates welding or blowtorch operation, the hot work permit presented in Attachment B will be completed by the SSHO and reviewed/issued by the Project Manager.

15. Emergency Information

In accordance with OSHA 29 CFR Part 1910, an Emergency Response Plan is attached to this HASP as Appendix A. The hospital route map is presented within Appendix A as Figure 1.

16. Field Team Review

Each person performing work at or visiting this site shall sign this section after site-specific training is completed and before being permitted to access the CRZ or Exclusion Zone.

I have read and understand this Site-Specific Health and Safety Plan. I will comply with the provision contained therein.

Site/Project: 619 Exchange Street Site, 619 Exchange Street, Buffalo, New York

Name & Company	Signature	Date

17. Approvals

By their signature, the undersigned certify that this HASP is approved and will be utilized at the 3200 Clinton Street Site.

Paul Werthman, P.G. – Site Safety and Health Officer	Date
Tom Forbes, P.E. - Office Health and Safety Manager	Date
Bryan Mayback. – Project Manager	Date

18. References

1. New York State Department of Environmental Conservation. *DER-10; Technical Guidance for Site Investigation and Remediation*. May 2010.

TABLES

1. Toxicity Data for Constituents of Potential Concern
2. Potential Routes of Exposure to Constituents of Potential Concern
3. Required Levels of Protection for RI Tasks

ROUX

TABLE 1

TOXICITY DATA FOR CONSTITUENTS OF POTENTIAL CONCERN

619 EXCHANGE STREET

BUFFALO, NEW YORK

Parameter	Synonyms	CAS No.	Code	Concentration Limits [1]		
				PEL	TLV	IDLH
Semi-volatile Organic Compounds (SVOCs) [2] : ppm						
Benzo(a)pyrene	*none*	50-32-8	*none*	--	--	--
Benzo(a)anthracene	*none*	56-55-3	*none*	--	--	--
Benzo(b)fluoranthene	*none*	205-99-2	*none*	--	--	--
Benzo(k)fluoranthene	*none*	207-08-9	*none*	--	--	--
Chrysene	*none*	218 01 9	*none*	--	--	--
Dibenzo(a,h)anthracene	*none*	53-70-3	*none*	--	--	--
Indeno(1,2,3-cd)pyrene	*none*	193-39-5	*none*	--	--	--
Inorganic Compounds: mg/m [2]						
Arsenic	*none*	7440-38-2	*Ca*	0.01	0.01	5
Barium	*none*	7440-39-3	*none*	0.5	0.5	50
Lead	*none*	7439-92-1	*none*	0.05	0.05	30
Mercury	*none*	7439-97-6	*none*	0.1	0.025	10
Selenium	*none*	7782-49-2	*none*	0.2	0.2	1

Notes:

1. Concentration limits as reported by NIOSH Pocket Guide to Chemical Hazards, February 2004 (NIOSH Publication No. 97-140, fourth printing with chages and updates.
2. " -- " = concentration limit not available; exposure should be minimized to the extent feasible through appropriate engineering controls & PPE.

Explanation:

Ca = NIOSH considers constituent to be a potential occupational carcinogen.
IDLH = Immediately Dangerous to Life or Health.
TLV = Threshold Limit Value, established by American Conference of Industrial Hygienists (ACGIH), equals the maximum exposure concentration allowable for 8 hours/day @ 40 ho
TLVs are the amounts of chemicals in the air that almost all healthy adult workers are predicted to be able to tolerate without adverse effects. There are three types.
TLV-TWA (TLV-Time-Weighted Average) which is averaged over the normal eight-hour day/forty-hour work week. (Most TLVs.)
TLV-C or Ceiling limits are the concentration that should not be exceeded during any part of the working exposure.
Unless the initials "STEL" or "C" appear in the Code column, the TLV value should be considered to be the eight-hour TLV-TWA.
PEL = Permissible Exposure Limit, established by OSHA, equals the maximium exposure conconcentration allowable for 8 hours per day @ 40 hours per week

ROUX

TABLE 2

POTENTIAL ROUTES OF EXPOSURE TO THE CONSTITUENTS OF POTENTIAL CONCERN

619 EXCHANGE STREET SITE
BUFFALO, NEW YORK

Activity [1]	Direct Contact with Soil/Fill	Inhalation of Vapors or Dust	Direct Contact with Groundwater
Remedial Investigation Tasks			
1. Surface & Subsurface Soil Sampling	x	x	
2. Monitoring Well Installation/Development and Sampling	x	x	x
3. Subslab Vapor Sampling	x	x	
Interim Remedial Measures Tasks, if applicable			
1. Soil Excavation	x	x	
2. Backfilling	x	x	
3. Verification Sampling	x	x	
4. Groundwater and Surface Water Management	x		x

Notes:
1. Activity as described in Section 1.5 of the Health and Safety Plan.

ROUX

TABLE 3

REQUIRED LEVELS OF PROTECTION
FOR RI TASKS

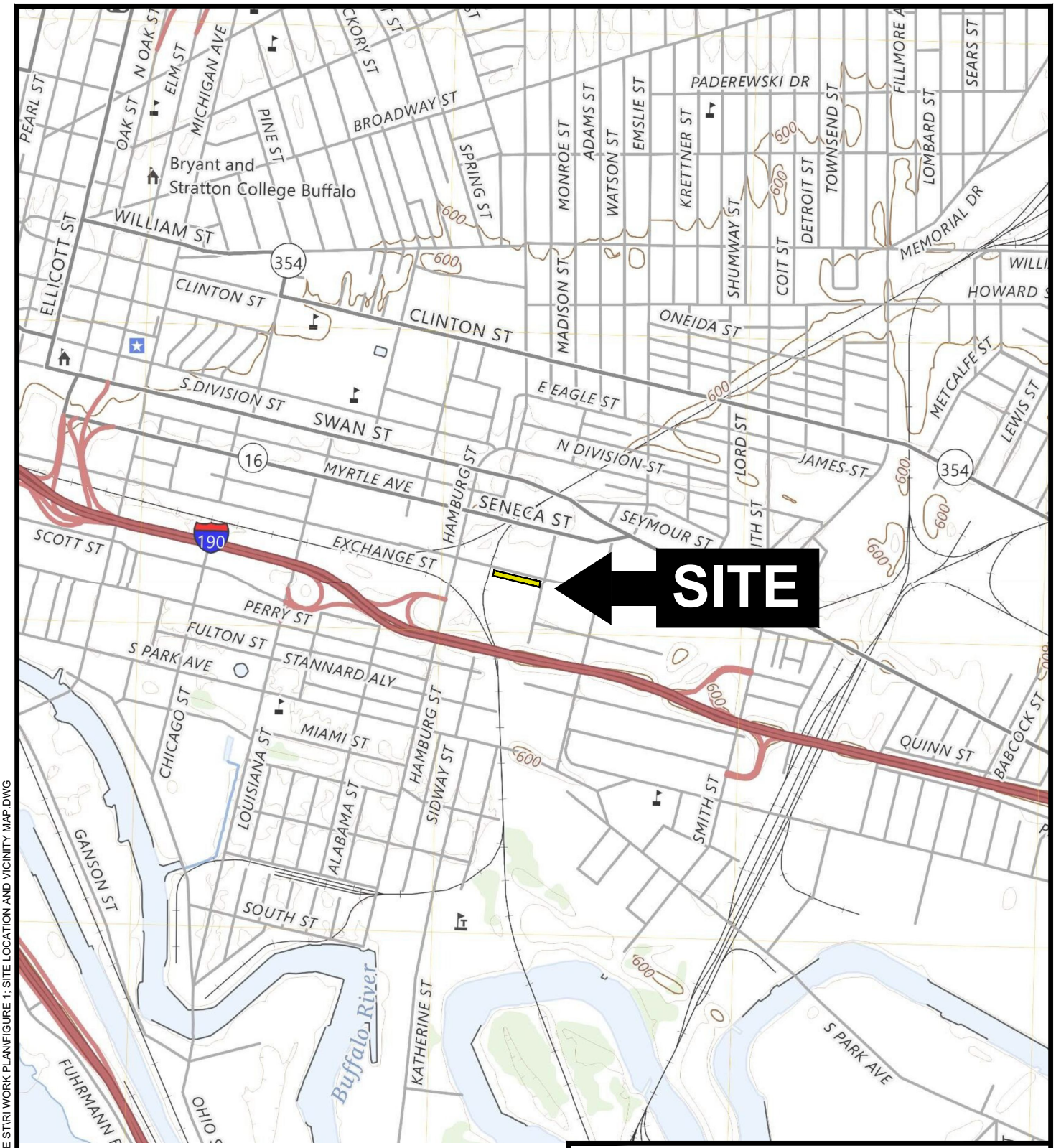
619 EXCHANGE STREET SITE
BUFFALO, NEW YORK

Activity	Respiratory Protection [1]	Clothing	Gloves [2]	Boots [2, 3]	Other Required PPE/Modifications [2, 4]
Remedial Investigation Tasks					
1. Surface & Subsurface Soil Sampling	Level D (upgrade to Level C if necessary)	Work Uniform or Tyvek	L/N	outer: L inner: STSS	HH SGSS
2. Monitoring Well Installation/Development and Sampling	Level D (upgrade to Level C if necessary)	Work Uniform or Tyvek	L/N	outer: L inner: STSS	SGSS
3. Soil Vapor Sampling	Level D (upgrade to Level C if necessary)	Work Uniform or Tyvek	L/N	outer: L inner: STSS	HH SGSS
Interim Remedial Measures Tasks, if applicable					
1. Soil Excavation	Level D (upgrade to Level C if necessary)	Work Uniform or Tyvek	L/N	outer: L inner: STSS	HH SGSS
2. Backfilling	Level D (upgrade to Level C if necessary)	Work Uniform or Tyvek	L/N	outer: L inner: STSS	HH SGSS
3. Verification Sampling	Level D (upgrade to Level C if necessary)	Work Uniform or Tyvek	L/N	outer: L inner: STSS	HH SGSS
4. Groundwater and Surface Water Management	Level D (upgrade to Level C if necessary)	Work Uniform or Tyvek	L/N	outer: L inner: STSS	HH SGSS

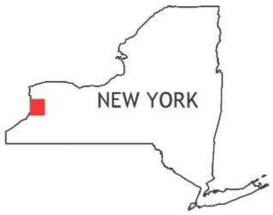
Notes:
1. Respiratory equipment shall conform to guidelines presented in Section 7.0 of this HASP. The Level C requirement is an air-purifying respirator equiped with organic compound/acid
2. HH = hardhat; L= Latex; L/N = latex inner glove, nitrile outer glove; N = Nitrile; S = Saranex; SG = safety glasses; SGSS = safety glasses with sideshields; STSS = steel toe safety shoes.
3. Latex outer boot (or approved overboot) required whenever contact with contaminated materials may occur. SSHO may downgrade to STSS (steel-toed safety shoes) if contact will be
4. Dust masks shall be donned as directed by the SSHO (site safety and health officer) or site safety technician whenever potentially contaminated airborne particulates (i.e., dust) are present

FIGURES

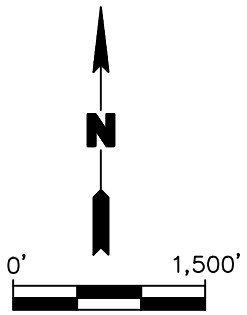
1. Site Location and Vicinity Map
2. Site Plan (Aerial)



QUADRANGLE LOCATION



SOURCE:
USGS, 2023, BUFFALO, NY
7.5 MINUTE TOPOGRAPHIC QUADRANGLE



Title:
SITE LOCATION AND VICINITY MAP

REMEDIAL INVESTIGATION WORK PLAN

619 EXCHANGE STREET SITE
BUFFALO, NEW YORK

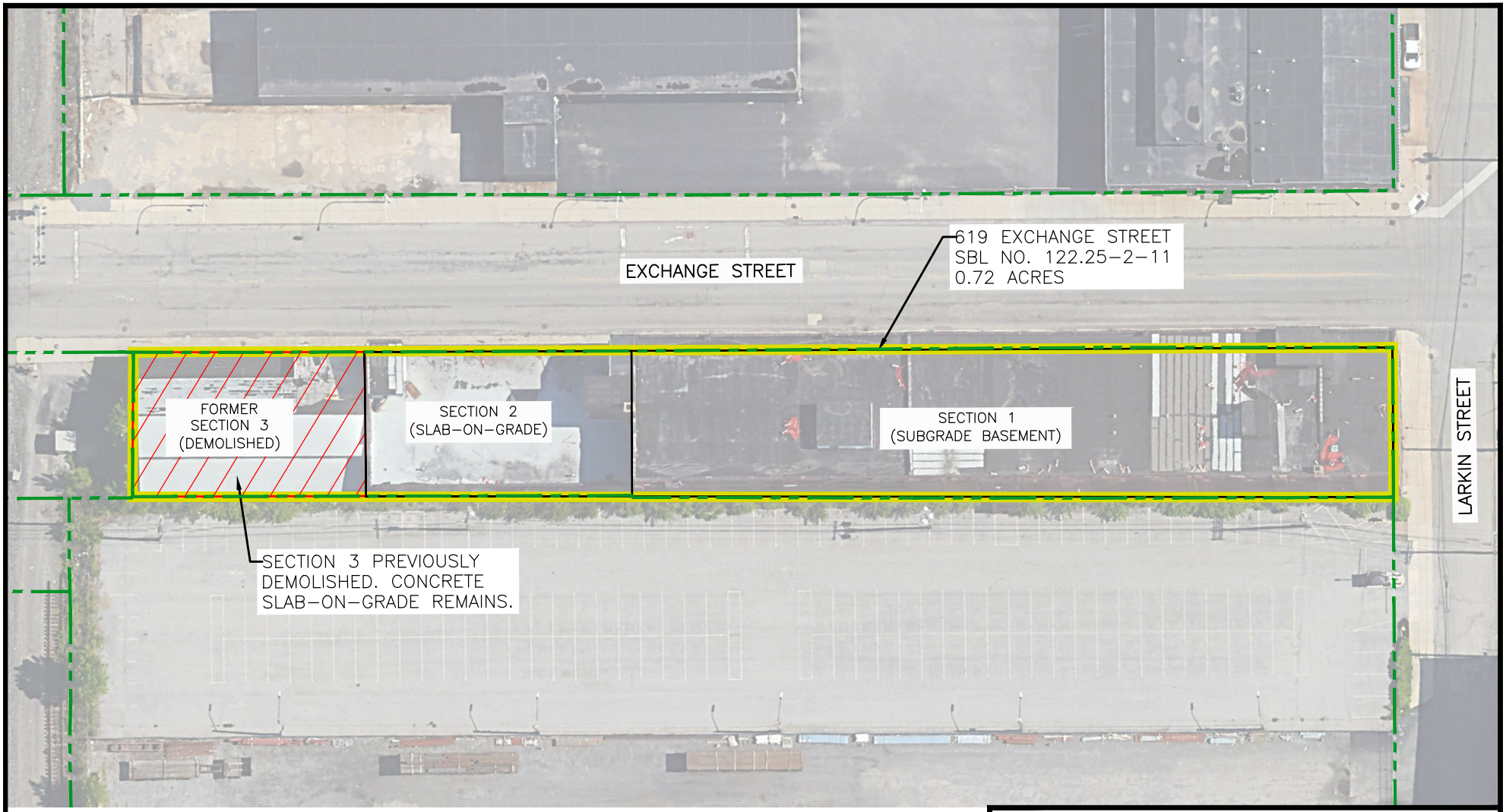
Prepared for:

PG LARKINVILLE, LLC

ROUX	Compiled by: CNK	Date: DECEMBER 2024	FIGURE 1
	Prepared by: CNK	Scale: AS SHOWN	
	Project Mgr: BWM	Project: B0718-023-001	
	File: FIGURE 1; SITE LOCATION AND VICINITY MAP.DWG		

F:\CAD\0-ROUX\PARK GROVE REALTY\619 EXCHANGE STR\ WORK PLAN\FIGURE 1; SITE LOCATION AND VICINITY MAP.DWG

F:\CAD\0-ROUX\PARK GROVE REALTY\619 EXCHANGE ST\RI WORK PLAN\FIGURE 2; SITE PLAN.DWG



LEGEND

- BCP SITE BOUNDARY
- PARCEL BOUNDARY
- BUILDING OUTLINE
- DEMOLISHED BUILDING SECTION

NOTE:
1. IMAGE SOURCE GOOGLE EARTH 2022.
2. NO PUBLIC SOURCE AERIALS CURRENTLY SHOW BUILDING DEMOLITION.

N

60' 0 60'

Title:

SITE PLAN (AERIAL)

REMEDIAL INVESTIGATION WORK PLAN

619 EXCHANGE STREET SITE
BUFFALO, NEW YORK

Prepared for:

PG LARKINVILLE, LLC

ROUX

Compiled by: CNK	Date: DECEMBER 2024	FIGURE
Prepared by: CNK	Scale: AS SHOWN	2
Project Mgr: BWM	Project: B0718-023-001	
File: FIGURE 2; SITE PLAN.DWG		

APPENDICES

A. Emergency Response Plan

B. Hot Work Permit Form

APPENDIX A

Emergency Response Plan

Emergency Response Plan

619 Exchange Street Site
619 Exchange Street
Buffalo, New York

December 2024

Prepared for:

PG Larkinville, LLC
46 Prince Street, Suite 2003
Rochester, New York 14607

Prepared by:

Roux Environmental Engineering and Geology, D.P.C.
2558 Hamburg Turnpike
Suite 300
Buffalo, New York 14218

Environmental Consulting
& Management
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5. Emergency Contacts 5
6. Emergency Alerting & Evacuation 6
7. Extreme Weather Conditions 7
8. Emergency Medical Treatment & First Aid 8
9. Emergency Response Critique & Record Keeping 9
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1. Hospital Route Map

1. General

This report presents the site-specific Emergency Response Plan (ERP) referenced in the Site Health and Safety Plan (HASP) prepared for Remedial Investigation (RI) activities at the 619 Exchange Street Site, a portion of 619 Exchange Street in Buffalo, New York. This appendix of the HASP describes potential emergencies that may occur at the Site; procedures for responding to those emergencies; roles and responsibilities during emergency response; and training all workers must receive to follow emergency procedures. This ERP also describes the provisions this Site has made to coordinate its emergency response planning with other contractors on-site and with off-site emergency response organizations.

This ERP is consistent with the requirements of 29 CFR 1910.120(l) and provides the following site-specific information:

- Pre-emergency planning.
- Personnel roles, lines of authority, and communication.
- Emergency recognition and prevention.
- Safe distances and places of refuge.
- Evacuation routes and procedures.
- Decontamination procedures.
- Emergency medical treatment and first aid.
- Emergency alerting and response procedures.
- Critique of response and follow-up.
- Emergency personal protective equipment (PPE) and equipment.

2. Pre-Emergency Planning

This Site has been evaluated for potential emergency occurrences, based on site hazards, the required work tasks, the site topography, and prevailing weather conditions. The results of that evaluation indicate the potential for the following site emergencies to occur at the locations indicated.

Type of Emergency:

1. Medical, due to physical injury

Source of Emergency:

1. Slip/trip/fall

Location of Source:

1. Non-specific

3. On-Site Emergency Response Equipment

Emergency procedures may require specialized equipment to facilitate worker rescue, contamination control and reduction, or post-emergency clean up. Emergency response equipment available on the Site is listed below. The equipment inventory and storage locations are based on the potential emergencies described above. This equipment inventory is designed to meet on-site emergency response needs and any specialized equipment needs that off-site responders might require because of the hazards at this Site but not ordinarily stocked.

Any additional personal protective equipment (PPE) required and stocked for emergency response is also listed in below. During an emergency, the Emergency Response Coordinator (ERC) is responsible for specifying the level of PPE required for emergency response. At a minimum, PPE used by emergency responders will comply with Section 7.0, Personal Protective Equipment, of this HASP. Emergency response equipment is inspected at regular intervals and maintained in good working order. The equipment inventory is replenished as necessary to maintain response capabilities.

Emergency Equipment	Quantity	Location
First Aid Kit	1	Site Vehicle
Chemical Fire Extinguisher	2 (minimum)	All heavy equipment and Site Vehicle

Emergency PPE	Quantity	Location
Full-face respirator	1 for each worker	Site Vehicle
Chemical-resistant suits	4 (minimum)	Site Vehicle

4. Emergency Planning Maps

An area-specific map of the Site will be developed daily during performance of field activities. The map will be marked to identify critical on-site emergency planning information, including: emergency evacuation routes, a place of refuge, an assembly point, and the locations of key site emergency equipment. Site zone boundaries will be shown to alert responders to known areas of contamination. There are no major topographical features, however the direction of prevailing winds/weather conditions that could affect emergency response planning are also marked on the map. The map will be posted at the site-designated place of refuge and inside the Roux personnel field vehicle.

5. Emergency Contacts

The following identifies the emergency contacts for this ERP.

Emergency Telephone Numbers:

Project Manager: ***Bryan Mayback***
Work: (716) 856-0599
Mobile: (716) 844-1699

Corporate Health and Safety Director: ***Michael Lesakowski***
Work: (716) 856-0599
Mobile: (716) 818-3954

Site Safety and Health Officer (SSHO): ***Paul Werthman***
Work: (716) 856-0599
Mobile: (716) 957-9984

BUFFALO GENERAL HOSPITAL (ER):	(716) 856-5600
FIRE:	911
AMBULANCE:	911
BUFFALO POLICE:	911
STATE EMERGENCY RESPONSE HOTLINE:	(800) 457-7362
NATIONAL RESPONSE HOTLINE:	(800) 424-8802
NYSDOH:	(716) 847-4385
NYSDEC:	(716) 851-7220
NYSDEC 24-HOUR SPILL HOTLINE:	(800) 457-7252

The Site location is:

619 Exchange Street
Buffalo, New York 14210
Site Phone Number: Roux Staff Cell Phones to be used.

6. Emergency Alerting & Evacuation

Internal emergency communication systems are used to alert workers to danger, convey safety information, and maintain site control. Any effective system can be employed. Two-way radio headsets or field telephones are often used when work teams are far from the command post. Hand signals and air-horn blasts are also commonly used. Every system must have a backup. It shall be the responsibility of each contractor's Site Health and Safety Officer to ensure all personnel entering the site understand an adequate method of internal communication. Unless all personnel are informed, the following signals shall be used.

1) Emergency signals by portable air horn, siren, or whistle: two short blasts, personal injury; continuous blast, emergency requiring site excavation.

2) Visual signals: hand gripping throat, out of air/cannot breathe; hands on top of head, need assistance; thumbs up, affirmative/ everything is OK; thumbs down, no/negative; grip partner's wrist or waist, leave area immediately.

If evacuation notice is given, Site workers leave the worksite with their respective buddies, if possible, by way of the nearest exit. Emergency decontamination procedures detailed in Section 12.0 of the HASP are followed to the extent practical without compromising the safety and health of site personnel. The evacuation routes and assembly area will be determined by conditions at the time of the evacuation based on wind direction, the location of the hazard source, and other factors as determined by rehearsals and inputs from emergency response organizations. Wind direction indicators are located so that workers can determine a safe up wind or cross wind evacuation route and assembly area if not informed by the emergency response coordinator at the time the evacuation alarm sounds. Since work conditions and work zones within the site may be changing on daily basis, it shall be the responsibility of the construction Site Health and Safety Officer to review evacuation routes and procedures as necessary and to inform all Roux workers of any changes.

Personnel leaving the site will gather at a designated assembly point. To determine that everyone has successfully exited the site, personnel will be accounted for at the assembly site. If any worker cannot be accounted for, notification is given to the SSHO (Paul Werthman, P.G.) so that appropriate action can be initiated. Contractors and subcontractors on this Site have coordinated their emergency response plans to ensure that these plans are compatible, and that source(s) of potential emergencies are recognized, alarm systems are clearly understood, and evacuation routes are accessible to all personnel relying upon them.

7. Extreme Weather Conditions

In the event of adverse weather conditions, the Site Safety and Health Officer in conjunction with the Contractor's SSHO will determine if engineering operations can continue without sacrificing the health and safety of site personnel. Items to be considered prior to determining if work should continue include but are not limited to:

- Potential for heat/cold stress.
- Weather-related construction hazards (e.g., flooding, or wet conditions producing undermining of structures or sheeting, high wind threats, etc).
- Limited visibility.
- Potential for electrical storms.
- Limited site access/egress (e.g., due to heavy snow)

8. Emergency Medical Treatment & First Aid

Personnel Exposure:

The following general guidelines will be employed in instances where health impacts threaten to occur acute exposure is realized:

- Skin Contact: Use copious amounts of soap and water. Wash/rinse affected area for at least 15 minutes. Decontaminate and provide medical attention. Eyewash stations will be provided on site. If necessary, transport to Buffalo General Hospital.
- Inhalation: Move to fresh air and, if necessary, transport to Hospital.
- Ingestion: Decontaminate and transport to Hospital.

Personal Injury:

Minor first-aid will be applied on-site as deemed necessary. In the event of a life-threatening injury, the individual should be transported to Hospital via ambulance. The Site Health and Safety Officer will supply available chemical specific information to appropriate medical personnel as requested.

First aid kits will conform to Red Cross and other applicable good health standards and shall consist of a weatherproof container with individually sealed packages for each type of item. First aid kits will be fully equipped before being sent out on each job and will be checked weekly by the SSHO to ensure that the expended items are replaced.

Directions to Buffalo General Hospital (see Figure 1):

The following directions describe the best route from the Site to Buffalo General Hospital:

- Depart and head west on Exchange Street (0.7 mi)
- Turn right onto Carroll Place (266 ft)
- Road name changes to N Carroll St (256 ft)
- Turn left onto NY-16 / Seneca Street (476 ft)
- Turn right onto Michigan Ave (1.5 mi)
- Turn left onto High Street (0.2 mi)
- Continue on High Street to Buffalo General Medical Center

9. Emergency Response Critique & Record Keeping

Following an emergency, the SSHO and Project Manager shall review the effectiveness of this Emergency Response Plan (ERP) in addressing notification, control, and evacuation requirements. Updates and modifications to this ERP shall be made accordingly. It shall be the responsibility of each contractor to establish and assure adequate records of the following:

- Occupational injuries and illnesses.
- Accident investigations.
- Reports to insurance carriers or State compensation agencies.
- Reports required by the client.
- Records and reports required by local, state, federal and/or international agencies.
- Property or equipment damage.
- Third party injury or damage claims.
- Environmental testing logs.
- Explosive and hazardous substances inventories and records.
- Records of inspections and citations.
- Safety training.

10. Emergency Response Training

All persons who enter the worksite, including visitors, shall receive a site-specific briefing about anticipated emergency situations and the emergency procedures by the SSHO. Where this site relies on off-site organizations for emergency response, the training of personnel in those off-site organizations has been evaluated and is deemed adequate for response to this site.

Attachment

Hospital Route Map

bing maps

A 619 Exchange St, Buffalo, NY 14210

B Buffalo General Medical Center, 100 High Street, Buffalo, NY 14203

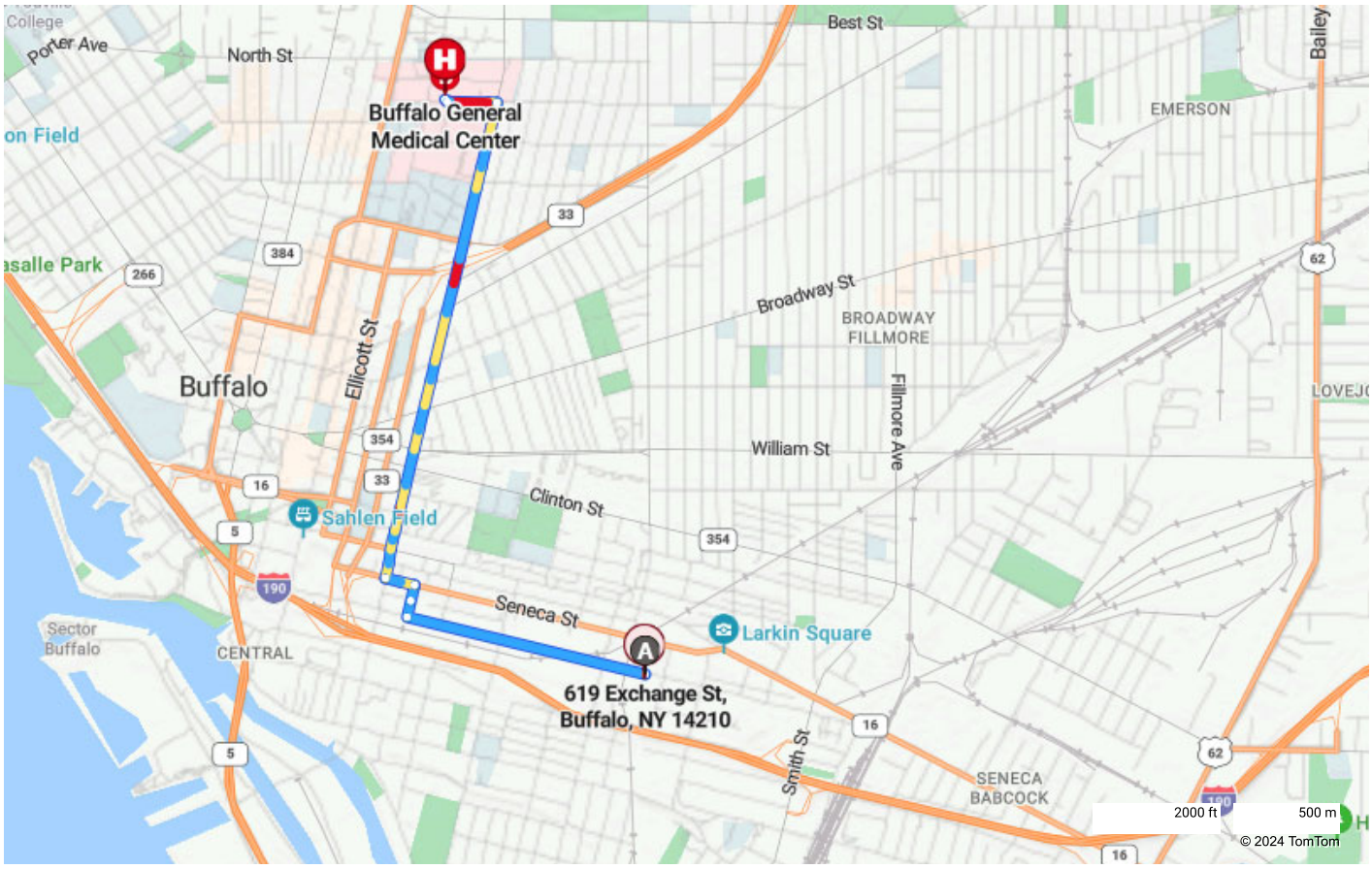
10 min , 2.6 miles
Light traffic
Via Exchange St, Michigan Ave
· Local roads



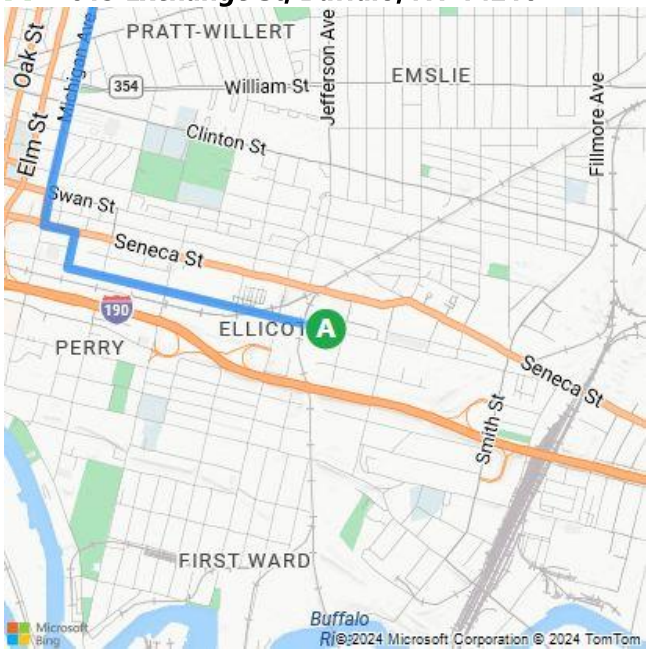
A 619 Exchange St, Buffalo, NY 14210

↑	1.	Depart and head **west** on **Exchange St**	0.7 mi
↱	2.	Turn **right** onto **Carroll Pl** • *Private Road*	266 ft
↑	3.	Road name changes to **N Carroll St** • *Private Road*	256 ft
↰	4.	Turn **left** onto **NY-16 / Seneca St**	476 ft
↱	5.	Turn **right** onto **Michigan Ave** Pass Meat Market on the left in 0.5 mi	1.5 mi
↰	6.	Turn **left** onto **High St**	0.2 mi
↱	7.	Turn **right**	49 ft
	8.	Arrive at your destination on the right The last intersection before your destination is High St	

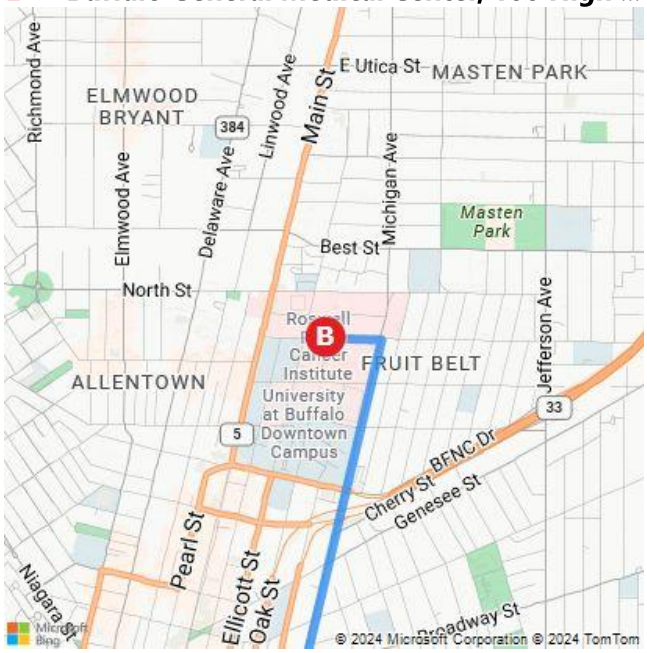
B Buffalo General Medical Center



A 619 Exchange St, Buffalo, NY 14210



B Buffalo General Medical Center, 100 High ...



These directions are subject to the Microsoft® Service Agreement and are for informational purposes only. No guarantee is made regarding their completeness or accuracy. Construction projects, traffic, or other events may cause actual conditions to differ from these results. Map and traffic data © 2024 TomTom.

APPENDIX B

Hot Work Permit Form

HOT WORK PERMIT

PART 1 - INFORMATION

Issue Date:

Date Work to be Performed: Start: Finish (permit terminated):

Performed By:

Work Area:

Object to be Worked On:

PART 2 - APPROVAL

(for 1, 2 or 3: mark Yes, No or NA)*

Will working be on or in: Finish (permit terminated):

1. Metal partition, wall, ceiling covered by combustible material?	yes	no
2. Pipes, in contact with combustible material?	yes	no
3. Explosive area?	yes	no

* = If any of these conditions exist (marked "yes"), a permit will not be issued without being reviewed and approved by Thomas H. Forbes (Corporate Health and Safety Director). Required Signature below.

PART 3 - REQUIRED CONDITIONS**

(Check all conditions that must be met)

	PROTECTIVE ACTION		PROTECTIVE EQUIPMENT
	Specific Risk Assessment Required		Goggles/visor/welding screen
	Fire or spark barrier		Apron/fireproof clothing
	Cover hot surfaces		Welding gloves/gauntlets/other:
	Move movable fire hazards, specifically		Wellintons/Knee pads
	Erect screen on barrier		Ear protection: Ear muffs/Ear plugs
	Restrict Access		B.A.: SCBA/Long Breather
	Wet the ground		Respirator: Type:
	Ensure adequate ventilation		Cartridge:
	Provide adequate supports		Local Exhaust Ventilation
	Cover exposed drain/floor or wall cracks		Extinguisher/Fire blanket
	Fire watch (must remain on duty during duration of permit)		Personal flammable gas monitor
	Issue additional permit(s):		

Other precautions:

** Permit will not be issued until these conditions are met.

SIGNATURES

Orginating Employee: Date:

Project Manager: Date:

Part 2 Approval: Date:

APPENDIX E

Community Air Monitoring Plan

Attachment C

New York State Department of Health
Generic Community Air Monitoring Plan

Overview

A Community Air Monitoring Plan (CAMP) requires real-time monitoring for volatile organic compounds (VOCs) and particulates (i.e., dust) at the downwind perimeter of each designated work area when certain activities are in progress at contaminated sites. The CAMP is not intended for use in establishing action levels for worker respiratory protection. Rather, its intent is to provide a measure of protection for the downwind community (i.e., off-site receptors including residences and businesses and on-site workers not directly involved with the subject work activities) from potential airborne contaminant releases as a direct result of investigative and remedial work activities. The action levels specified herein require increased monitoring, corrective actions to abate emissions, and/or work shutdown. Additionally, the CAMP helps to confirm that work activities did not spread contamination off-site through the air.

The generic CAMP presented below will be sufficient to cover many, if not most, sites. Specific requirements should be reviewed for each situation in consultation with NYSDOH to ensure proper applicability. In some cases, a separate site-specific CAMP or supplement may be required. Depending upon the nature of contamination, chemical- specific monitoring with appropriately-sensitive methods may be required. Depending upon the proximity of potentially exposed individuals, more stringent monitoring or response levels than those presented below may be required. Special requirements will be necessary for work within 20 feet of potentially exposed individuals or structures and for indoor work with co-located residences or facilities. These requirements should be determined in consultation with NYSDOH.

Reliance on the CAMP should not preclude simple, common-sense measures to keep VOCs, dust, and odors at a minimum around the work areas.

Community Air Monitoring Plan

Depending upon the nature of known or potential contaminants at each site, real-time air monitoring for VOCs and/or particulate levels at the perimeter of the exclusion zone or work area will be necessary. Most sites will involve VOC and particulate monitoring; sites known to be contaminated with heavy metals alone may only require particulate monitoring. If radiological contamination is a concern, additional monitoring requirements may be necessary per consultation with appropriate DEC/NYSDOH staff.

Continuous monitoring will be required for all ground intrusive activities and during the demolition of contaminated or potentially contaminated structures. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pitting or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be required during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. “Periodic” monitoring during sample collection might reasonably consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or

overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. In some instances, depending upon the proximity of potentially exposed individuals, continuous monitoring may be required during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence.

VOC Monitoring, Response Levels, and Actions

Volatile organic compounds (VOCs) must be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis or as otherwise specified. Upwind concentrations should be measured at the start of each workday and periodically thereafter to establish background conditions, particularly if wind direction changes. The monitoring work should be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment should be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment should be capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

1. If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.

2. If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.

3. If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown.

4. All 15-minute readings must be recorded and be available for State (DEC and NYSDOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

Particulate Monitoring, Response Levels, and Actions

Particulate concentrations should be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring should be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment must be equipped with an audible alarm to indicate exceedance of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

1. If the downwind PM-10 particulate level is 100 micrograms per cubic meter (mcg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques must be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 mcg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.

2. If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 mcg/m^3 above the upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 mcg/m^3 of the upwind level and in preventing visible dust migration.

3. All readings must be recorded and be available for State (DEC and NYSDOH) and County Health personnel to review.

December 2009

Appendix C2
Fugitive Dust and Particulate Monitoring

A program for suppressing fugitive dust and particulate matter monitoring at hazardous waste sites is a responsibility on the remedial party performing the work. These procedures must be incorporated into appropriate intrusive work plans. The following fugitive dust suppression and particulate monitoring program should be employed at sites during construction and other intrusive activities which warrant its use:

1. Reasonable fugitive dust suppression techniques must be employed during all site activities which may generate fugitive dust.

2. Particulate monitoring must be employed during the handling of waste or contaminated soil or when activities on site may generate fugitive dust from exposed waste or contaminated soil. Remedial activities may also include the excavation, grading, or placement of clean fill. These control measures should not be considered necessary for these activities.

3. Particulate monitoring must be performed using real-time particulate monitors and shall monitor particulate matter less than ten microns (PM10) with the following minimum performance standards:

(a) Objects to be measured: Dust, mists or aerosols;
(b) Measurement Ranges: 0.001 to 400 mg/m3 (1 to 400,000 :ug/m3);
(c) Precision (2-sigma) at constant temperature: +/- 10 :g/m3 for one second averaging; and +/- 1.5 g/m3 for sixty second averaging;
(d) Accuracy: +/- 5% of reading +/- precision (Referred to gravimetric calibration with SAE fine test dust (mmd= 2 to 3 :m, g= 2.5, as aerosolized);
(e) Resolution: 0.1% of reading or 1g/m3, whichever is larger;
(f) Particle Size Range of Maximum Response: 0.1-10;
(g) Total Number of Data Points in Memory: 10,000;
(h) Logged Data: Each data point with average concentration, time/date and data point number
(i) Run Summary: overall average, maximum concentrations, time/date of maximum, total number of logged points, start time/date, total elapsed time (run duration), STEL concentration and time/date occurrence, averaging (logging) period, calibration factor, and tag number;
(j) Alarm Averaging Time (user selectable): real-time (1-60 seconds) or STEL (15 minutes), alarms required;
(k) Operating Time: 48 hours (fully charged NiCd battery); continuously with charger;
(l) Operating Temperature: -10 to 50^{o} C (14 to 122^{o} F);
(m) Particulate levels will be monitored upwind and immediately downwind at the working site and integrated over a period not to exceed 15 minutes.

4. In order to ensure the validity of the fugitive dust measurements performed, there must be appropriate Quality Assurance/Quality Control (QA/QC). It is the responsibility of the remedial party to adequately supplement QA/QC Plans to include the following critical features: periodic instrument calibration, operator training, daily instrument performance (span) checks, and a record keeping plan.

5. The action level will be established at 150 ug/m3 (15 minutes average). While conservative,

this short-term interval will provide a real-time assessment of on-site air quality to assure both health and safety. If particulate levels are detected in excess of 150 ug/m3, the upwind background level must be confirmed immediately. If the working site particulate measurement is greater than 100 ug/m3 above the background level, additional dust suppression techniques must be implemented to reduce the generation of fugitive dust and corrective action taken to protect site personnel and reduce the potential for contaminant migration. Corrective measures may include increasing the level of personal protection for on-site personnel and implementing additional dust suppression techniques (see paragraph 7). Should the action level of 150 ug/m3 continue to be exceeded work must stop and DER must be notified as provided in the site design or remedial work plan. The notification shall include a description of the control measures implemented to prevent further exceedances.

6. It must be recognized that the generation of dust from waste or contaminated soil that migrates off-site, has the potential for transporting contaminants off-site. There may be situations when dust is being generated and leaving the site and the monitoring equipment does not measure PM10 at or above the action level. Since this situation has the potential to allow for the migration of contaminants off-site, it is unacceptable. While it is not practical to quantify total suspended particulates on a real-time basis, it is appropriate to rely on visual observation. If dust is observed leaving the working site, additional dust suppression techniques must be employed. Activities that have a high dusting potential--such as solidification and treatment involving materials like kiln dust and lime--will require the need for special measures to be considered.

7. The following techniques have been shown to be effective for the controlling of the generation and migration of dust during construction activities:

(a) Applying water on haul roads;
(b) Wetting equipment and excavation faces;
(c) Spraying water on buckets during excavation and dumping;
(d) Hauling materials in properly tarped or watertight containers;
(e) Restricting vehicle speeds to 10 mph;
(f) Covering excavated areas and material after excavation activity ceases; and
(g) Reducing the excavation size and/or number of excavations.

Experience has shown that the chance of exceeding the 150ug/m3 action level is remote when the above-mentioned techniques are used. When techniques involving water application are used, care must be taken not to use excess water, which can result in unacceptably wet conditions. Using atomizing sprays will prevent overly wet conditions, conserve water, and provide an effective means of suppressing the fugitive dust.

8. The evaluation of weather conditions is necessary for proper fugitive dust control. When extreme wind conditions make dust control ineffective, as a last resort remedial actions may need to be suspended. There may be situations that require fugitive dust suppression and particulate monitoring requirements with action levels more stringent than those provided above. Under some circumstances, the contaminant concentration and/or toxicity may require additional monitoring to protect site personnel and the public. Additional integrated sampling and chemical analysis of the dust may also be in order. This must be evaluated when a health and safety plan is developed and when appropriate suppression and monitoring requirements are established for protection of health and the environment.

APPENDIX F

Field Operating Procedures (FOPs)

FIELD OPERATING PROCEDURES

ROUX ENVIRONMENTAL ENGINEERING AND GEOLOGY, D.P.C.

FOP Number	Description
001.1	Abandonment of Borehole Procedures
002.0	Abandonment of Monitoring Wells Procedure
004.6	Soil Vapor Sample Collection Procedure
007.0	Calibration and Maintenance of Portable Dissolved Oxygen Meter
008.0	Calibration and Maintenance of Portable Field pH/Eh Meter
009.0	Calibration and Maintenance of Portable Field Turbidity Meter
011.1	Calibration and Maintenance of Portable Photoionization Detector
012.0	Calibration and Maintenance of Portable Specific Conductance Meter
013.0	Composite Sample Collection Procedure for Non-Volatile Organic Analysis
015.0	Documentation Requirements for Drilling and Well Installation
017.0	Drill Site Selection Procedure
018.0	Drilling and Excavation Equipment Decontamination Procedures
021.0	Establishing Horizontal and Vertical Control
022.0	Groundwater Level Measurement
023.1	Groundwater Purging Procedures Prior to Sample Collection
024.1	Groundwater Sample Collection Procedures
024.3	Groundwater Sample Collection Procedures for PFAS
025.0	Hand Augering Procedure
026.1	Hollow Stem Auger (HSA) Drilling Procedures
031.2	Low Flow (Minimal Drawdown) Groundwater Purging & Sampling Procedure
032.1	Management of Investigation-Derived Waste (IDW)
033.0	Monitoring Well Construction for Hollow Stem Auger Boreholes
036.0	Monitoring Well Development Procedures
039.1	NAPL Detection and Sample Collection Procedure
040.1	Non-Disposable and Non-Dedicated Sampling Equipment Decontamination
041.0	Overburden Casing Installation Procedure
046.0	Sample Labeling, Storage and Shipment Procedures
047.0	Screening of Soil Samples for Organic Vapors During Drilling Activities
048.0	Screening of Soil Samples for Organic Vapors During UST Removal Activities
054.2	Soil Description Procedures Using The Visual-Manual Method
057.0	Soil Sample Collection for VOC Analysis - EnCore Sampling
058.0	Split-Spoon Sampling Procedures
063.2	Surface and Subsurface Soil Sampling Procedures
065.1	Test Pit Excavation and Logging Procedures
070.0	Well/Piezometer Construction Materials and Design
073.2	Real-Time Air Monitoring During Intrusive Activities
074.0	Underground Storage Tank Excavation & Removal Procedures
076.0	"Before Going Into the Field" Procedure
078.0	Geoprobe Drilling Procedures
079.0	Stockpile Sampling Procedures for Chemical Analysis
080.0	Stockpile-Borrow Source Sampling Procedures for Physical Analysis
082.0	Waste Sampling Procedures
084.0	Calibration and Maintenance of Portable Particulate Meter
085.0	Field Quality Control Procedures
088.0	Underground Piping Decommissioning Procedures
090.0	Outdoor Ambient Air VOC Sample Collection Procedure

Notes:

1. FOPs are identified by the sequential FOP number and revision number. For example, FOP number 097.3 indicates FOP 97, revision 3.

ROUX

FIELD OPERATING PROCEDURES

Abandonment of Borehole Procedures

FOP 001.1

ABANDONMENT OF BOREHOLE PROCEDURE

PURPOSE

Soil borings that are not completed as monitoring wells will be plugged by filling the holes with a cement/bentonite grout. Field staff will calculate the borehole volume and compare it to the final installed volume of grout to evaluate whether bridging or loss to the formation has occurred. These calculations and the actual volume placed will be noted on the Boring Log.

PROCEDURE

1. Determine most suitable seal materials. Grout specifications generally have mixture ratios as follows:

   Grout Slurry Composition (% Weight)

1.5 to 3.0%	-	Bentonite (Quick Gel)
40 to 60 %	-	Cement (Portland Type I)
40 to 60 %	-	Potable Water

2. Calculate the volume of the borehole base on the bit or auger head diameter plus 10% and determine the volume of grout to be emplaced. Generally, the total mixed volume is the borehole volume plus 20%.

3. Identify the equipment to be used for the preparation and mixing of the grout. Ensure the volume of the tanks to be used for mixing has been measured adequately. Document these volumes on the Well Abandonment/Decommissioning Log (sample attached).

4. Identify the source of the water to be used for the grout and determine its suitability for use. In particular, water with high sulfate, or chloride levels or heated water should not be used. These types of waters can cause operational difficulties or modify the set-up for the grout.

5. Identify the equipment to be used for emplacing the grout. Ensure that the pump to be used has adequate pressure to enable complete return to surface.

6. Identify the volumes to be pumped at each stage or in total if only one stage is to be used.

7. Prepare the borehole abandonment plan and discuss the plan and activities with the drilling contractor prior to beginning any mixing activities.

8. Begin mixing the grout to be emplaced.

9. Record the type and amount of materials used during the mixing operation. Ensure the ratios are within specifications tolerance.

10. Begin pumping the grout through the return line bypass system to confirm all pump and surface fittings are secure.

11. Initiate downhole pumping from the bottom of the borehole. Record the times and volumes emplaced on the Well Abandonment/Decommissioning Log (sample attached).

12. Document the return circulation of grout. This may be facilitated by using a colored dye or other tagging method if a mudded borehole condition exists prior to grout injection.

13. Identify what procedures will be used for grouting in the upper 3 feet. When casing exists in the borehole, decisions are required as to the timing for removal and final disposition of the casing. Generally, it will not be removed prior to grouting because of the potential for difficult access and loss of circulation in the upper soil or rock layers. Accordingly, when cement return is achieved at surface, the casing is commonly removed and the borehole is topped off with grout or soils. If casing removal is not possible or not desired, the casing left in place should be cut off at a depth of 5 feet or greater below ground surface. If casing is not present during grouting, the grout level in the borehole is topped off after the rods or tremie pipe is removed.

14. Clear and clean the surface near the borehole.

15. The uppermost five feet of the borehole at the land surface should be filled with material physically similar to the natural soils. The surface of the borehole should be restored to the condition of the area surrounding the borehole. For example, concrete or asphalt will be patched with concrete or asphalt of the same type and thickness, grassed areas will be seeded, and topsoil will be used in other areas. All solid waste materials generated during the decommissioning process must be disposed of properly.

16. A follow-up check at each site should be made within one week to 10 days of completion. It should be noted that on occasion, the grout and/or surface material may settle over several days. If settling occurs, additional material physically similar to surrounding materials (i.e., asphalt, concrete, or soil) must be used to match the existing grade.

17. Document borehole and/or well/piezometer decommissioning activities on a Well Abandonment/Decommissioning Log (sample attached).

ATTACHMENTS

Well Abandonment/Decommissioning Log (sample)

REFERENCES

ASTM D 5299: *Guide for Decommissioning of Ground Water Wells, Vadose Zone Monitoring Devices, Boreholes, and Other Devices for Environmental Activities.*

NYSDEC, July 1988, *Drilling and Monitoring Well Installation Guidance Manual.*

NYSDEC, November 2009, *CP-43: Groundwater Monitoring Well Decommissioning Policy.*

Driscoll, F.G., 1987, *Groundwater and Wells*, Johnson Division, St. Paul, Minnesota, 1089 p.

WELL ABANDONMENT/ DECOMMISSIONING LOG

PROJECT INFORMATION	WELL INFORMATION
Project Name:	WELL I.D.:
Client:	Stick-up (fags):
Project Job Number:	Total Depth (fbgs):
Date:	Screen Interval (fbgs):
Weather:	Well Material:
	Diameter (inches):
BM/TK Personnel:	
Drilling Company:	Drilling Company Personnel:
Drill Rig Type:	

DECOMMISSIONING PROCEDURES

Time	Description of Field Activities

SAMPLE

PREPARED BY: DATE:

ROUX

FIELD OPERATING PROCEDURES

Abandonment of Monitoring Wells Procedure

FOP 002.0

ABANDONMENT OF MONITORING WELLS PROCEDURE

PURPOSE

This guideline presents a method for the abandonment and decommissioning of wells that are no longer reliable as competent monitors of formation groundwater. Well abandonment and decommissioning is required in order to remove a potential pathway for the vertical migration of impacted groundwater and/or surface water.

PROCEDURE

1. Examine the existing well to be abandoned/decommissioned and review well construction detail information (if applicable) to determine well depth,, screened interval, diameter, material of composition and other construction details. Establish appropriate equipment requirements for removal of the well.

2. Determine the most suitable seal materials as discussed in the next section.

3. Attempt to remove the well using a drilling rig, by using the following procedures:
    - Attaching the winch line to the well to see if it can be removed by pulling;
    - Using the rig's hydraulics to advance casing incrementally;
    - If a cable tool rig is available, bump back the casing using the cathead and drive block.

3. Upon removal of the well, ream the borehole by advancing the augers approximately one foot beyond the total depth of the well. Rotate the augers at a speed sufficient to remove the construction materials (i.e., filter pack, bentonite seal, etc.) from the borehole annulus (if possible). Backfill the resulting borehole with cement/bentonite grout, by tremie method, to approximately one foot below ground surface. Fill the remaining borehole to match the existing grade elevation and material of construction (i.e., clean native soil, concrete or asphalt, as necessary). Go to Step 10.

4. If the well cannot be removed from the borehole over-drill the borehole and well to approximately two (2) feet below the well depth. Upon reaching the desired depth, remove the well from within the augers and go back to Step 3.

5. If the borehole cannot be reamed out using conventional drilling techniques (i.e., over-drilled), remove or puncture the base plate of the well screen using the drill rig and associated equipment by pounding with the drill rods. Upon filling the well with grout by tremie method, slowly pull the well from the ground surface to allow the grout to evacuate through the bottom of the well to fill the void space created by removal of the well casing. Continue adding grout mix to the well casing, as necessary, to fill the void space to approximately one foot below ground surface. Fill the remaining borehole to match the existing grade elevation and material of construction (i.e., clean native soil, concrete or asphalt, as necessary). Go to Step 10.

   If the driller is unsuccessful at removing or puncturing the base plate of the well due, in part, to well construction materials (i.e., stainless steel or black iron), go to Step 6.

6. Insert a tremie pipe down the well to the bottom and pump a cement/bentonite grout mixture to a depth one to two feet above the top of the screen.

7. Perform a hydraulic pressure test on the portion of the well casing above the grouted screen section. Allow the grout to set up for a period not less than 72 hours before pressure testing of the grouted interval. Place a pneumatic packer a maximum of 4.5 feet above the top of the slotted screen section of the well. The infiltration pressure applied to the packer shall not exceed the pressure rating of the well casing material. If the interval between the top of the grout and the bottom of the packer is not saturated, potable water will be used to fill the interval. A gauge pressure of 5 psig at the well head shall be applied to the interval for a period of 5 minutes to allow for temperature stabilization. After 5 minutes, the pressure will be maintained at 5 psig for 30 minutes. The grout seal shall be considered acceptable if the total loss of water to the seal does not exceed 0.5 gallons over a 30-minute period.

8. If the grout seal is determined to be unacceptable, tremie grout an additional 5 feet of well riser above the failing interval and retest as specified above (see Step 7).

9. If the grout seal is determined to be acceptable, tremie grout the remainder of the well until grout displaces all formation water and a grout return is visible in the well at the surface. Cut off well casing at a depth of five feet or greater below ground surface and backfill the remaining borehole to match the existing grade elevation and material of construction (i.e., clean native soil, concrete or asphalt, as necessary).

10. Record all well construction details and abandonment procedures on the **Well Abandonment/Decommissioning Log** (sample attached).

CEMENT/BENTONITE GROUT MIXTURE

The cement/bentonite grout mixture identified below is generally considered the most suitable seal material for monitoring well advancement and abandonment. Grout specifications generally have mixture ratios as follows:

Grout Slurry Composition (% Weight)

1.5 to 3.0% - Bentonite (Quick Gel)
40 to 60% - Cement (Portland Type I)
40 to 60% - Potable Water

MISCELLANEOUS

All removed well materials (PVC, stainless steel, steel pipe) should be decontaminated (if necessary) as per the project specific **Drilling and Excavation Equipment Decontamination FOP** and removed from the site. The project manager will determine the destination of final disposal for all well materials. All drill cuttings (depending on site protocol) should be placed in DOT-approved 55-gallon drums, labeled and sampled in

accordance with Roux's field operating procedure **Management of Investigation-Derived Waste** in order to determine proper removal and disposal procedures. The drilling subcontractor will provide any potable water utilized during this field activity from a known and reliable source (see Notes section).

ATTACHMENTS

Well Abandonment/Decommissioning Log (sample)

REFERENCES

New York State Department of Environmental Conservation, July 1988, *Drilling and Monitoring Well Installation Guidance Manual.*

Driscoll, F.G., 1987, *Groundwater and Wells*, Johnson Division, St. Paul, Minnesota, p. 1089.

Roux's FOPs

018 Drilling/Excavation Equipment Decontamination Protocols
032 Management of Investigation-Derived Waste

NOTES

Tap water may be used from any municipal water treatment system. The use of an untreated potable water supply is not an acceptable substitute.

WELL ABANDONMENT/ DECOMMISSIONING LOG

PROJECT INFORMATION	WELL INFORMATION
Project Name:	WELL I.D.:
Client:	Stick-up (fags):
Project Job Number:	Total Depth (fbgs):
Date:	Screen Interval (fbgs):
Weather:	Well Material:
	Diameter (inches):
BM/TK Personnel:	
Drilling Company:	Drilling Company Personnel:
Drill Rig Type:	

DECOMMISSIONING PROCEDURES	
Time	Description of Field Activities

SAMPLE

ROUX

FIELD OPERATING PROCEDURES

Soil Vapor Sample Collection Procedures

FOP 004.6

SOIL VAPOR SAMPLE COLLECTION PROCEDURE

BACKGROUND

In October 2006, the New York State Department of Health (NYSDOH) finalized their vapor intrusion guidance document entitled "Guidance for Evaluating Soil Vapor Intrusion in the State of New York." (www.health.state.ny.us/nysdoh/gas/svi_guidance/), which has been guiding NYSDOH and New York State Department of Environmental Conservation (NYSDEC) decisions concerning the need for subslab vapor mitigation at sites undergoing investigation, cleanup and monitoring under formal NY Sate remedial programs (e.g., Brownfield Cleanup Program sites, Inactive Hazardous Waste Site Remediation Program sites, etc.). Per the most recent update, May 2017, guidance presents three (3) soil vapor/indoor air matrices to assist in interpreting the comparison of subslab and ambient air data. As of May 2017, eight compounds have been assigned to these three (3) current matrices (i.e., "Matrix A", "Matrix B", and "Matrix C") as follows:

Soil Vapor / Indoor Air Matrix	Volatile Chemical
Matrix A	Carbon tetrachloride
	1,1-Dichloroethene
	cis-1,2-Dichloroethene
	Trichloroethene
Matrix B	Methylene Chloride
	Tetrachlorethene
	1,1,1-Trichloroethane
Matrix C	Vinyl chloride

The matrices are attached as Figures 1, 2, and 3.

PURPOSE

The procedures presented herein delineate the scope of additional investigation at a building on the project site to determine if volatile organic compounds (VOCs) detected in groundwater and/or soil near the building are intruding into the building airspace or have the potential, in sufficient concentrations, to adversely impact indoor air quality. The soil vapor, subslab vapor, and ambient air monitoring procedures follow the NYSDOH Guidance for Evaluating Soil Vapor Intrusion in the State of New York (October 2006) as well as USEPA Methods TO-14 and TO-15, for volatile organic compounds (VOCs) using Summa passive canisters.

SURVEYS AND PRE-SAMPLING BUILDING PREPARATION (IF REQUIRED)

If required, a pre-sampling inspection should be performed prior to each sampling event to identify and minimize conditions that may interfere with the proposed testing. The inspection should evaluate the type of structure, floor layout, airflows, and physical conditions of the building(s) being studied. This information, along with information on sources of potential indoor air contamination, should be identified on a building inventory form. An example of the building inventory form is attached. Items to be included in the building inventory include the following:

- Construction characteristics, including foundation cracks and utility penetrations or other openings that may serve as preferential pathways for vapor intrusion;
- Presence of an attached garage;
- Recent renovations or maintenance to the building (e.g., fresh paint, new carpet or furniture);
- Mechanical equipment that can affect pressure gradients (e.g., heating systems, clothes dryers or exhaust fans);

- Use or storage of petroleum products (e.g., fuel containers, gasoline operated equipment and unvented kerosene heaters); and
- Recent use of petroleum-based finishes or products containing volatile chemicals.

Each room on the floor of the building being tested and on lower floors, if possible, should be inspected. This is important because even products stored in another area of a building can affect the air of the room being tested.

The presence and description of odors (e.g., solvent, moldy) and portable vapor monitoring equipment readings (e.g., PIDs, ppb RAE, Jerome Mercury Vapor Analyzer, etc.) should be noted and used to help evaluate potential sources. This includes taking readings near products stored or used in the building.

Potential interference from products or activities releasing volatile chemicals may need to be controlled. Removing the source from the indoor environment prior to testing is the most effective means of reducing interference. Ensuring that containers are tightly sealed may be acceptable. When testing for volatile organic compounds, containers should be tested with portable vapor monitoring equipment to determine whether compounds are leaking. The inability to eliminate potential interference may be justification for not testing, especially when testing for similar compounds at low levels. The investigator should consider the possibility that chemicals may adsorb onto porous materials and may take time to dissipate.

In some cases, the goal of the testing is to evaluate the impact from products used or stored in the building (e.g., pesticide misapplications, school renovation projects). If the goal of the testing is to determine whether products are an indoor volatile chemical contaminant source, the removing these sources does not apply.

Once interfering conditions are corrected (if applicable), ventilation may be needed prior to sampling to eliminate residual contamination in the indoor air. If ventilation is appropriate, it should be completed 24 hours or more prior to the scheduled sampling time. Where applicable, ventilation can be accomplished by operating the building's HVAC system to maximize outside air intake. Opening windows and doors, and operating exhaust fans may also help or may be needed if the building has no HVAC system.

Air samples are sometimes designed to represent typical exposure in a mechanically ventilated building and the operation of HVAC systems during sampling should be noted on the building inventory form (see attached sample). In general, the building's HVAC system should be operating under normal conditions. Unnecessary building ventilation should be avoided within 24 hours prior to and during sampling. During colder months, heating systems should be operating to maintain normal indoor air temperatures (i.e., 65 – 75 °F) for at least 24 hours prior to and during the scheduled sampling time.

Depending upon the goal of the indoor air sampling, some situations may warrant deviation from the above protocol regarding building ventilation. In such cases, building conditions and sampling efforts should be understood and noted within the framework and scope of the investigation.

To avoid potential interferences and dilution effects, every effort should be made to avoid the following for 24 hours prior to sampling:

- Opening any windows, fireplace dampers, openings or vents;
- Operating ventilation fans unless special arrangements are made;
- Smoking in the building;
- Painting;
- Using a wood stove, fireplace or other auxiliary heating equipment (e.g., kerosene heater);
- Operating or storing automobile in an attached garage;

- Allowing containers of gasoline or oil to remain within the house or garage area, except for fuel oil tanks;
- Cleaning, waxing or polishing furniture, floors or other woodwork with petroleum- or oil-based products;
- Using air fresheners, scented candles or odor eliminators;
- Engaging in any hobbies that use materials containing volatile chemicals;
- Using cosmetics including hairspray, nail polish, nail polish removers, perfume/cologne, etc.;
- Lawn mowing, paving with asphalt, or snow blowing;
- Applying pesticides; and
- Using building repair or maintenance products, such as caulk or roofing tar.

PRODUCT INVENTORY (IF REQUIRED)

If required, the primary objective of the product inventory is to identify potential air sampling interference by characterizing the occurrence and use of chemicals and products throughout the building, keeping in mind the goal of the investigation and site-specific contaminants of concern. For example, it is not necessary to provide detailed information for each individual container of like items. However, it is necessary to indicate that "20 bottles of perfume" or "12 cans of latex paint" were present with containers in good condition. This information is used to help formulate an indoor environment profile.

An inventory should be provided for each room on the floor of the building being tested and on lower floors, if possible. This is important because even products stored in another area of a building can affect the air of the room being tested.

The presence and description of odors (e.g., solvent, moldy) and portable vapor monitoring equipment readings (e.g., PIDs, ppb RAE, Jerome Mercury Vapor Analyzer, etc.) should be noted and used to help evaluate potential sources. This includes taking readings near products stored or used in the building. Products in buildings should be inventoried every

time air is tested to provide an accurate assessment of the potential contribution of volatile chemicals. If available, chemical ingredients of interest (e.g., analyte list) should be recorded for each product. If the ingredients are not listed on the label, record the product's exact and full name, and the manufacturer's name, address and telephone number, if available. In some cases, Material Safety Data Sheets (MSDS) may be useful for identifying confounding sources of volatile chemicals in air. Adequately documented photographs of the products and their labeled ingredients can supplement the inventory and facilitate recording the information.

SAMPLE LOCATIONS

The following are types of samples that are collected to investigate the soil vapor intrusion pathway:

- Subsurface vapor samples:
  - *Soil vapor* samples (i.e., soil vapor samples not beneath the foundation or slab of a building) and
  - *Sub-slab vapor* samples (i.e., soil vapor samples immediately beneath the foundation or slab of a building);
- Indoor air samples; and
- Outdoor air samples.

The types of samples that should be collected depend upon the specific objective(s) of the sampling, as described below.

- Soil vapor
  Soil vapor samples are collected to determine whether this environmental medium is contaminated, characterize the nature and extent of contamination, and identify possible sources of the contamination. Soil vapor sampling results are used when evaluating the following:
  - The potential for *current* human exposures;
  - The potential for *future* human exposures (e.g., should a building be constructed); and

- The effectiveness of measures implemented to remediate contaminated subsurface vapors.

- Sub-slab vapor

  Sub-slab vapor samples are collected to characterize the nature and extent of soil vapor contamination immediately beneath a building with a basement foundation and/or a slab-on-grade. Sub-slab vapor sampling results are used when evaluating the following:
  - *Current* human exposures;
  - The potential for *future* human exposures (e.g., if the structural integrity of the building changes or the use of the building changes); and
  - Site-specific attenuation factors (i.e., the ratio of indoor air to sub-slab vapor concentrations).

  Sub-slab vapor samples are collected after soil vapor characterization and/or other environmental sampling (e.g., soil and groundwater characterization) indicate a need. Subslab samples are typically collected concurrently with indoor and outdoor air samples. However, outside of the heating season, sub-slab vapor samples may be collected independently depending on the sampling objective (e.g., characterize the extent of subsurface vapor contamination outside of the heating season to develop a more comprehensive, focused investigation plan for the heating season).

- Indoor air

  Indoor air samples are collected to characterize exposures to air within a building, including those with earthen floors and crawlspaces. Indoor air sampling results are used when evaluating the following:
  - *Current* human exposures;
  - The potential for *future* exposures (e.g., if a currently vacant building should become occupied); and
  - Site-specific attenuation factors (e.g., the ratio of indoor air to sub-slab vapor concentrations).

  Indoor air samples are collected after subsurface vapor characterization and other environmental sampling (e.g., soil and groundwater characterization) indicate a need. When indoor air samples are collected, concurrent sub-slab vapor and

outdoor air samples are collected to evaluate the indoor air results appropriately. However, indoor air and outdoor air samples, without sub-slab vapor samples, may be collected when confirming the effectiveness of a mitigation system.

In addition, site-specific situations may warrant collecting indoor air samples prior to characterizing subsurface vapors and/or without concurrent sub-slab sampling due to a need to examine immediate inhalation hazards. Examples of such situations may include, but are not limited to, the following:

- In response to a spill event when there is a need to qualitatively and/or quantitatively characterize the contamination;
- If high readings are obtained in a building when screening with field equipment (e.g., a photoionization detector (PID), an organic vapor analyzer, or an explosimeter) and the source is unknown;
- If significant odors are present and the source needs to be characterized; or
- If groundwater beneath the building is contaminated, the building is prone to groundwater intrusion or flooding (e.g., sump pit overflows), and subsurface vapor sampling is not feasible.

- Outdoor air

  Outdoor air samples are collected to characterize site-specific background outdoor air conditions. These samples must be collected simultaneously with indoor air samples. They may also be collected concurrently with soil vapor samples. Outdoor air sampling results are primarily used when evaluating the extent to which outdoor sources may be influencing indoor air quality. They may also be used in the evaluation of soil vapor results (i.e., to identify potential outdoor air interferences associated with the infiltration of outdoor air into the sampling apparatus while the soil vapor sample was collected).

SOIL VAPOR SAMPLE COLLECTION PROCEDURES

Soil vapor probe installations (see Figure 4 attached) may be permanent, semi-permanent, or temporary. In general, permanent installations are preferred for data consistency reasons. Soil implants or probes should be constructed in the same manner at all sampling locations to minimize possible discrepancies. The following procedures should be included in any construction protocol:

- Soil vapor probes should be installed using direct push technology or, if necessary to attain the desired depth, using an auger;
- Porous backfill material (e.g., glass beads or coarse sand) should be used to create a sampling zone 1 to 2 feet in length;
- Soil vapor probes should be fitted with inert tubing (e.g., polyethylene, stainless steel, or Teflon®) of the appropriate size (typically 1/8 inch to 1/4 inch diameter) and of laboratory or food grade quality to the surface;
- Soil vapor probes should be sealed above the sampling zone with a bentonite slurry for a minimum distance of 3 feet to prevent outdoor air infiltration and the remainder of the borehole backfilled with clean material;
- For multiple probe depths, the borehole should be grouted with bentonite between probes to create discrete sampling zones; and
- For permanent installations, a protective casing should be set around the top of the probe tubing and grouted in place to the top of bentonite to minimize infiltration of water or outdoor air, as well as to prevent accidental damage.

Soil vapor samples should be collected in the same manner at all locations to minimize possible discrepancies. The following procedures should be included in any sampling protocol:

- At least 24 hours after the installation of permanent probes and shortly after the installation of temporary probes, one to three implant volumes (i.e., the volume of

the sample probe and tube) must be purged prior to collecting the samples to ensure samples collected are representative;

- Flow rates for both purging and collecting must not exceed 0.2 liters per minute to minimize outdoor air infiltration during sampling;

- The target final field vacuum after 24 hours will be approximately -5 inches of mercury. Samples with a final field vacuum of greater than -10 inches of mercury, or equal to zero, will be flagged (usability of data will depend on sample volume and reporting limits that can be achieved).

- Samples must be collected, using conventional sampling methods, in an appropriate container — one which meets the objectives of the sampling (e.g., investigation of areas where low or high concentrations of volatile chemicals are expected; to minimize losses of volatile chemicals that are susceptible to photodegradation), meets the requirements of the sampling and analytical methods (e.g., low flow rate; Summa® canisters if analyzing by using EPA Method TO-15), and is certified clean by the laboratory;

- Sample size depends upon the volume of sample required to achieve minimum reporting limit requirements; and

- A tracer gas (e.g., helium, butane, or sulfur hexafluoride) must be used when collecting soil vapor samples to verify that adequate sampling techniques are being implemented (i.e., to verify infiltration of outdoor air is not occurring) (discussed later in this procedure). Once verified, continued use of the tracer gas may be reconsidered.

When soil vapor samples are collected, the following actions should be taken to document local conditions during sampling that may influence interpretation of the results:

- If sampling near a commercial or industrial building, uses of volatile chemicals during normal operations of the facility should be identified;

- Outdoor plot sketches should be drawn that include the site, area streets, neighboring commercial or industrial facilities (with estimated distance to the site), outdoor ambient air sample locations (if applicable), and compass orientation (north);

- Weather conditions (e.g., precipitation, outdoor temperature, barometric pressure, wind speed and direction) should be noted for the past 24 to 48 hours; and

- Any pertinent observations should be recorded, such as odors and readings from field instrumentation.

The field sampling team must maintain a sample log sheet summarizing the following:

- Sample identification,
- Date and time of sample collection,
- Sampling depth,
- Identity of samplers,
- Sampling methods and devices,
- Purge volumes,
- Volume of soil vapor extracted,
- If canisters used, the vacuum before and after samples collected,
- Apparent moisture content (dry, moist, saturated, etc.) of the sampling zone, and
- Chain of custody protocols and records used to track samples from sampling point to analysis.

SUB-SLAB VAPOR SAMPLE COLLECTION PROCEDURES

During colder months, heating systems should be operating to maintain normal indoor air temperatures (i.e., 65 – 75 °F) for at least 24 hours prior to and during the scheduled sampling time. Prior to installation of the sub-slab vapor probe, the building floor should be inspected and any penetrations (cracks, floor drains, utility perforations, sumps, etc.) should be noted and recorded. Probes should be installed at locations where the potential for ambient air infiltration via floor penetrations is minimal.

Sub-slab vapor probe installations (see Figure 5 attached) may be permanent, semi-permanent, or temporary. Sub-slab implants or probes should be constructed in the same manner at all sampling locations to minimize possible discrepancies. The following procedures should be included in any construction protocol:

- Permanent recessed probes must be constructed with brass or stainless steel tubing and fittings;
- Temporary probes must be constructed with polyethylene or Teflon® tubing of laboratory or food grade quality;
- Tubing should not extend further than 2 inches into the sub-slab material;
- Coarse sand or glass beads should be added to cover about 1 inch of the probe tip for permanent installations; and
- The soil vapor probe should be sealed to the surface with permagum grout, melted beeswax, putty or other non-VOC-containing and non-shrinking products for temporary installations or cement for permanent installations.

Sub-slab vapor samples should be collected in the following manner:

- After installation of the probes, one to three volumes (i.e., the volume of the sample probe and tube) must be purged prior to collecting the samples to ensure samples collected are representative;
- Flow rates for both purging and collecting must not exceed 0.2 liters per minute to minimize outdoor air infiltration during sampling;
- The target final field vacuum after 24 hours will be approximately -5 inches of mercury. Samples with a final field vacuum of greater than -10 inches of mercury, or equal to zero, will be flagged (usability of data will depend on sample volume and reporting limits that can be achieved).
- Samples must be collected, using conventional sampling methods, in an appropriate container — one which meets the objectives of the sampling (e.g., investigation of areas where low or high concentrations of volatile chemicals are expected; to minimize losses of volatile chemicals that are susceptible to photodegradation), meets the requirements of the sampling and analytical methods (e.g., low flow rate; Summa® canisters if analyzing by using EPA Method TO-15), and is certified clean by the laboratory;

- Sample size depends upon the volume of sample required to achieve minimum reporting limit requirements [Section 2.9 of the Guidance], the flow rate, and the sampling duration; and
- Ideally, samples should be collected over the same period of time as concurrent indoor and outdoor air samples.

When sub-slab vapor samples are collected, the following actions should be taken to document conditions during sampling and ultimately to aid in the interpretation of the sampling results:

- If sampling within a commercial or industrial building, uses of volatile chemicals in commercial or industrial processes and/or during building maintenance, should be identified;
- The use of heating or air conditioning systems during sampling should be noted;
- Floor plan sketches should be drawn that include the floor layout with sample locations, chemical storage areas, garages, doorways, stairways, location of basement sumps or subsurface drains and utility perforations through building foundations, HVAC system air supply and return registers, compass orientation (north), and any other pertinent information should be completed;
- If possible, photographs should accompany floor plan sketches;
- Outdoor plot sketches should be drawn that include the building site, area streets, outdoor air sample locations (if applicable), compass orientation (north), footings that create separate foundation sections, and paved areas;
- Weather conditions (e.g., precipitation, indoor and outdoor temperature, and barometric pressure) and ventilation conditions (e.g., heating system active and windows closed) should be reported;
- Smoke tubes or other devices should be used to confirm pressure relationships and air flow patterns, especially between floor levels and between suspected contaminant sources and other areas; and
- Any pertinent observations, such as spills, floor stains, smoke tube results, odors and readings from field instrumentation (e.g., vapors via PID, ppb RAE, Jerome Mercury Vapor Analyzer, etc.), should be recorded.

The field sampling team must maintain a sample log sheet summarizing the following:

- Sample identification,
- Date and time of sample collection,
- Sampling depth,
- Identity of samplers,
- Sampling methods and devices,
- Soil vapor purge volumes,
- Volume of soil vapor extracted,
- If canisters used, the vacuum before and after samples collected,
- Apparent moisture content (dry, moist, saturated, etc.) of the sampling zone, and
- Chain of custody protocols and records used to track samples from sampling point to analysis.

The following describes the subslab air sampling procedure:

1. Canisters will be supplied by the laboratory that will be conducting the analysis.

2. Sampling will take place in accordance with the project work plan sufficiently spaced to allow locations to be modified, if necessary.

3. The number of Summa canisters required as well as the flow rate of the constant differential low volume flow controllers will be supplied by the laboratory in accordance with the project work plan.

4. The sampling program will consist of concurrently collecting and analyzing one sub-slab vapor sample and one indoor ambient air sample (discussed in the next section). Sample locations should be selected based on the likelihood for potential continuous human occupancy during the workday (i.e., due to the size of the areas and available infrastructure), and to account for the possibility of varying foundation depths in different areas of the building. In addition, sample locations typically are based upon the results of a subsurface investigation (i.e., soil gas survey or boring advancement) conducted prior to air sample collection activities. Canisters are typically placed in areas where the highest concentrations of soil gas were observed. Indoor air sample locations

preferably should be selected near the middle of the sampled room, well away from the edges where dilution is more likely to occur.

5. Collect at least one outdoor ambient air sample from a location on the building roof or designated background area of the site positioned away from building ventilation system equipment on the highest portion of the building roof or site. See the Outdoor Ambient Air Sampling Procedure section in this procedure.

6. Field personnel should assure conservative sampling conditions prior to and throughout the sampling event. The building should be closed (windows and doors shut) and existing building ventilation systems should be turned off 12 to 24 hours before the air sampling is scheduled to begin as well as during sample collection. Any air-handling units that may induce large pressure gradients (i.e., exhaust fans, HVAC units etc.) should also be turned off.

7. Any activity being conducted by current building tenants involving volatile organic compounds, such as the use of lacquer thinner and cleaning solvents, prior to and/or during air sampling activities should be noted in the Project Field Book. These activities have the potential to bias the analytical results.

8. At each location, drill an approximately ¾-inch diameter hole through the concrete slab (typically 6-8 inches thick) using a hand-held hammer drill.

9. Measure and record the concrete thickness in the Project Field Book.

10. Insert polyethylene or Teflon® tubing of laboratory or food grade quality into the drilled hole and no further than 2 inches into the subslab material.

11. Seal the tubing with an appropriately sized volatile organic compound-free stopper (i.e., permagum grout, melted beeswax, putty, or other non-VOC-containing and non-shrinking product) into the concrete core hole and secure in-place making sure the fit is very snug. Supplement any visible gaps between the stopper and concrete slab with a VOC-free sealant, such as beeswax or bentonite slurry.

12. Run the tubing assembly through a shroud (plastic pail, cardboard box, or garbage bag) creating a tight seal with the surface making sure not to disturb the seal around the tubing penetration.

13. Enrich the atmosphere of the shroud with helium. Measure and record the helium concentration within the shroud.

14. Purge approximately 1 to 3 tubing volumes (i.e., the volume of the sample probe and tube) using a hand pump (or similar approved device) to ensure the collection of a representative sample.

15. Flow rates for both purging and sample collection must not exceed 0.2 liters per minute to minimize outdoor air infiltration during sampling.

16. Use a portable monitoring device to analyze a sample of soil vapor for the tracer **prior to and after** sampling for the compounds of concern. Note that the tracer gas samples can be collected via syringe, Tedlar bag etc. They need not be collected in Summa® canisters or minicans.

17. If concentrations greater than 10% of tracer gas are observed either prior to and/or after sampling, the probe seal should be enhanced to reduce the infiltration of outdoor air. Following enhancement of the seal, repeat steps 14 through 17 above until purged concentrations are less than 10% of the tracer gas within the shroud.

18. Following tubing purge and adequate seal integrity testing via helium tracer gas, immediately attach a 6-liter Summa Canister fitted with a 24-hour regulator (or approved other duration) to the opposite end of the tubing. Concurrent with each subslab sample location, prepare an indoor ambient air sample by staging a second Summa Canister on a ladder (approximately 2 to 5-feet above the floor) adjacent to the sub-slab sample location.

19. All Summa Canister valves should remain closed until all subslab borings are complete and all of the canisters in their respective positions.

20. Open the valves to all of the canisters for the required collection period (i.e., 24-hours). Record initial canister pressure on the Air Canister Field Record form.

21. Following sample collection and prior to closing canister valve, record final canister pressure on the Air Canister Field Record form. Close canister valve.

22. Collect all Summa Canisters and ship, under chain-of-custody command to an approved analytical laboratory for VOC analysis in accordance with USEPA Method TO-14 or TO-15.

23. Repair all concrete openings with a cement patch.

24. Analytical results submitted by the laboratory should be reported as concentrations of each VOC at each location, typically in parts per billion by volume (ppbv).

INDOOR AIR SAMPLE COLLECTION PROCEDURES

During colder months, heating systems should be operating to maintain normal indoor air temperatures (i.e., 65 – 75 °F) for at least 24 hours prior to and during the scheduled sampling time. If possible, prior to collecting indoor samples, a pre-sampling inspection, discussed earlier in this procedure, should be performed to evaluate the physical layout and conditions of the building being investigated, to identify conditions that may affect or interfere with the proposed sampling, and to prepare the building for sampling.

In general, indoor air samples should be collected in the following manner:

- Sampling duration should reflect the exposure scenario being evaluated without compromising the detection limit or sample collection flow rate (e.g., an 8 hour sample from a workplace with a single shift versus a 24 hour sample from a workplace with multiple shifts). To ensure that air is representative of the locations sampled and to avoid undue influence from sampling personnel, samples should be collected for at least 1 hour. If the goal of the sampling is to

represent average concentrations over longer periods, then longer duration sampling periods may be appropriate. Typically, 24 hour samples are collected from residential settings;

- Personnel should avoid lingering in the immediate area of the sampling device while samples are being collected;

- Sample flow rates must conform to the specifications in the sample collection method and, if possible, should be consistent with the flow rates for concurrent outdoor air and sub-slab samples;

- The target final field vacuum after 24 hours will be approximately -5 inches of mercury. Samples with a final field vacuum of greater than -10 inches of mercury, or equal to zero, will be flagged (usability of data will depend on sample volume and reporting limits that can be achieved); and

- Samples must be collected, using conventional sampling methods, in an appropriate container — one which meets the objectives of the sampling (e.g., investigation of areas where low or high concentrations of volatile chemicals are expected; to minimize losses of volatile chemicals that are susceptible to photodegradation), meets the requirements of the sampling and analytical methods (e.g., low flow rate; Summa® canisters if analyzing by using EPA Method TO-15), and is certified clean by the laboratory.

At sites with tetrachloroethene contamination, passive air monitors that are specifically analyzed for tetrachloroethene (i.e., "perc badges") are commonly used to collect indoor and outdoor air samples. If site characterization activities indicate that degradation products of tetrachloroethene also represent a vapor intrusion concern, perc badges may be used to indicate the likelihood of vapor intrusion (i.e., by using tetrachloroethene as a surrogate) followed, as needed, by more comprehensive sampling and laboratory analyses to quantify both tetrachloroethene and its degradation products. Perc badge samples ideally should be collected over a twenty-four hour period, but for no less than eight hours.

The following actions should be taken to document conditions during indoor air sampling and ultimately to aid in the interpretation of the sampling results:

- A product inventory survey must be completed (discussed earlier);
- The use of heating or air conditioning systems during sampling should be noted;
- Floor plan sketches should be drawn that include the floor layout with sample locations, chemical storage areas, garages, doorways, stairways, location of basement sumps or subsurface drains and utility perforations through building foundations, HVAC system supply and return registers, compass orientation (north), and any other pertinent information should be completed;
- If possible, photographs should accompany floor plan sketches;
- Outdoor plot sketches should be drawn that include the building site, area streets, outdoor air sample locations (if applicable), compass orientation (north), footings that create separate foundation sections, and paved areas;
- Weather conditions (e.g., precipitation, indoor and outdoor temperature, and barometric pressure) and ventilation conditions (e.g., heating system active and windows closed) should be reported;
- Smoke tubes or other devices should be used to confirm pressure relationships and air flow patterns, especially between floor levels and between suspected contaminant sources and other areas; and
- Any pertinent observations, such as spills, floor stains, smoke tube results, odors and readings from field instrumentation (e.g., vapors via PID, ppb RAE, Jerome Mercury Vapor Analyzer, etc.), should be recorded.

The field sampling team must maintain a sample log sheet summarizing the following:

- Sample identification,
- Date and time of sample collection,
- Sampling height,

- Identity of samplers,
- Sampling methods and devices,
- Depending upon the method, volume of air sampled,
- If canisters used, the vacuum before and after samples collected,
- Chain of custody protocols and records used to track samples from sampling point to analysis.

The following describes the indoor air sampling procedure:

1. Canisters will be supplied by the laboratory that will be conducting the analysis.

2. Sampling will take place in accordance with the project work plan sufficiently spaced to allow locations to be modified, if necessary.

3. The number of Summa canisters required as well as the flow rate of the constant differential low volume flow controllers will be supplied by the laboratory in accordance with the project work plan. Indoor air sampling typically requires the continuous collection of samples over a 24-hour period.

4. The sampling program will consist of concurrently collecting and analyzing one sub-slab vapor sample and one indoor ambient air sample. Sample locations should be selected based on the likelihood for potential continuous human occupancy during the workday (i.e., due to the size of the areas and available infrastructure), and to account for the possibility of varying foundation depths in different areas of the building. In addition, sample locations typically are based upon the results of a subsurface investigation (i.e., soil gas survey or boring advancement) conducted prior to air sample collection activities. Canisters are typically placed in areas where the highest concentrations of soil gas were observed. Indoor air sample locations preferably should be selected near the middle of the sampled room, well away from the edges where dilution is more likely to occur.

5. Collect at least one outdoor ambient air sample from a location on the building roof or designated background area of the site positioned away from building ventilation system equipment on the highest portion of the building

roof or site. See the Outdoor Ambient Air Sampling Procedure presented in this procedure.

6. Field personnel should assure conservative sampling conditions prior to and throughout the sampling event. The building should be closed (windows and doors shut) and existing building ventilation systems should be turned off 12 to 24 hours before the air sampling is scheduled to begin as well as during sample collection. Any air-handling units that may induce large pressure gradients (i.e., exhaust fans, HVAC units etc.) should also be turned off.

7. Any activity being conducted by current building tenants involving volatile organic compounds, such as the use of lacquer thinner and cleaning solvents, prior to and/or during air sampling activities should be noted in the Project Field Book. These activities have the potential to bias the analytical results.

8. Concurrent with each subslab sample location, prepare an indoor ambient air sample by staging a second Summa Canister on a ladder (approximately 2 to 5-feet above the floor) adjacent to the sub-slab sample location.

9. All Summa Canister valves should remain closed until all subslab borings are complete and all of the canisters in their respective positions.

10. Open the valves to all of the canisters for the required collection period (i.e., 24-hours). Record initial canister pressure on the Air Canister Field Record form.

11. Following sample collection and prior to closing canister valve, record final canister pressure on the Air Canister Field Record form. Close canister valve.

12. Collect all Summa Canisters and ship, under chain-of-custody command to an approved analytical laboratory for VOC analysis in accordance with USEPA Method TO-14 or TO-15.

13. Analytical results submitted by the laboratory should be reported as concentrations of each VOC at each location, typically in parts per billion by volume (ppbv).

OUTDOOR AIR SAMPLE COLLECTION PROCEDURES

Outdoor air samples must be collected simultaneously with indoor air samples and may be collected concurrently with subsurface vapor samples. Outdoor air samples must be collected in the same manner as indoor samples.

The following actions should be taken to document conditions during outdoor air sampling and ultimately to aid in the interpretation of the sampling results:

- Outdoor plot sketches should be drawn that include the building site, area streets, outdoor air sample locations (if applicable), the location of potential interferences (e.g., gasoline stations, factories, lawn movers, etc.), compass orientation (north), footings that create separate foundation sections, and paved areas;

- Weather conditions (e.g., precipitation, indoor and outdoor temperature, and barometric pressure) and ventilation conditions (e.g., heating system active and windows closed) should be reported; and

- Any pertinent observations, such as odors, readings from field instrumentation, and significant activities in the vicinity (e.g., operation of heavy equipment or dry cleaners) should be recorded.

The following describes the outdoor air sampling procedure:

1. Canisters will be supplied by the laboratory that will be conducting the analysis.

2. Sampling will take place in accordance with the project work plan sufficiently spaced to allow locations to be modified, if necessary.

3. The number of Summa canisters required as well as the flow rate of the constant differential low volume flow controllers will be supplied by the laboratory in accordance with the project work plan.

4. Sample locations typically are collected upwind of the facility.

5. Collect at least one outdoor ambient air sample from a location on the building roof or designated background area of the site positioned away from building ventilation system equipment on the highest portion of the building roof or site. Place canisters on the ground or step ladder, with a clear plastic sheet beneath to prevent contamination. Locate the sampling inlet approximately 18-inches above the ground surface.

6. Sample collection should take place on warm, dry days. If rain or high humidity conditions develop during sampling, the sampling event should be suspended. Temperature, barometric pressure, and wind speed should be monitored during the sampling event, for use in analysis of the results.

7. The combination of sampling location, height, and meteorological conditions will assure that sampling will measure VOCs at their highest concentrations.

8. All Summa Canister valves should remain closed until all subslab borings are complete and all of the indoor and outdoor canisters in their respective positions.

9. Open the valves to all of the canisters for the required collection period (i.e., 24-hours). Record initial canister pressure on the Air Canister Field Record form.

10. Following sample collection and prior to closing canister valve, record final canister pressure on the Air Canister Field Record form. Close canister valve.

11. Collect all Summa Canisters and ship, under chain-of-custody command to an approved analytical laboratory for VOC analysis in accordance with USEPA Method TO-14 or TO-15.

12. Air samples will be analyzed by Gas Chromatography/Mass Spectroscopy (GC/MS) in accordance with EPA Method TO-14 or TO-15.

13. Analytical results will be reported as concentrations of each VOC at each location during each sampling event, typically in parts per billion by volume (ppbv).

TRACER GAS

When collecting soil vapor samples as part of a vapor intrusion evaluation, a tracer gas serves as a quality assurance/quality control device to verify the integrity of the soil vapor probe seal. Without the use of a tracer, there is no way to verify that a soil vapor sample has not been diluted by surface air.

Depending on the nature of the contaminants of concern, a number of different compounds can be used as a tracer. Typically, sulfur hexafluoride (SF6) or helium are used as tracers because they are readily available, have low toxicity, and can be monitored with portable measurement devices. Butane and propane (or other gases) could also be used as a tracer in some situations. The protocol for using a tracer gas is straightforward: simply enrich the atmosphere in the immediate vicinity of the area where the probe intersects the ground surface with the tracer gas, and measure a vapor sample from the probe for the presence of high concentrations (> 10%) of the tracer. A cardboard box, a plastic pail, or even a garbage bag can serve to keep the tracer gas in contact with the probe during the testing.

There are two basic approaches to testing for the tracer gas:

- Include the tracer gas in the list of target analytes reported by the laboratory; or

- Use a portable monitoring device to analyze a sample of soil vapor for the tracer prior to and after sampling for the compounds of concern. (Note that the tracer gas samples can be collected via syringe, Tedlar bag etc. They need not be collected in Summa® canisters or minicans.)

The advantage of the second approach is that the real time tracer sampling results can be used to confirm the integrity of the probe seals prior to formal sample collection. Figure 6 (attached) depicts common methods for using tracer gas. In each of the examples, a, b and c, the tracer gas is released in the enclosure prior to initially purging the sample point. Care should be taken to avoid excessive purging prior to sample collection. Care should also be taken to prevent pressure build-up in the enclosure during introduction of the tracer gas. Inspection of the installed sample probe, specifically noting the integrity of the surface seal and the porosity of the soil in which the probe is installed, will help to determine the tracer gas setup. Figure 6(a) may be most effective at preventing tracer gas infiltration; however, it may not be required in some situations depending on site-specific conditions. Figures 6(b) and 6(c) may be sufficient for probes installed in tight soils with well-constructed surface seals. In all cases, the same tracer gas application should be used for all probes at any given site.

Because minor leakage around the probe seal should not materially affect the usability of the soil vapor sampling results, the mere presence of the tracer gas in the sample should not be a cause for alarm. Consequently, portable field monitoring devices with detection limits in the low ppm range are more than adequate for screening samples for the tracer. If high concentrations (> 10%) of tracer gas are observed in a sample, the probe seal should be enhanced to reduce the infiltration of ambient air.

During the initial stages of a soil vapor sampling program, tracer gas samples should be collected at each of the sampling probes. If the results of the initial samples indicate that the probe seals are adequate, the project manager can consider reducing the number of locations at which tracer gas samples are employed. At a minimum, at least 10% of the subsequent samples should be supported with tracer gas analyses. When using permanent soil vapor probes as part of a long-term monitoring program, annual testing of the probe integrity is recommended.

QUALITY ASSURANCE / QUALITY CONTROL (QA/QC)

Extreme care should be taken during all aspects of sample collection to ensure that sampling error is minimized and high quality data are obtained. The sampling team members should avoid actions (e.g., fueling vehicles, using permanent marking pens, and wearing freshly dry-cleaned clothing or personal fragrances), which can cause sample interference in the field. Appropriate QA/QC protocols must be followed for sample collection and laboratory analysis, such as use of certified clean sample devices, meeting sample holding times and temperatures, sample accession, chain of custody, etc. Samples should be delivered to the analytical laboratory as soon as possible after collection. In addition, laboratory accession procedures must be followed including field documentation (sample collection information and locations), chain of custody, field blanks, field sample duplicates, and laboratory duplicates, as appropriate.

Some methods require collecting samples in duplicate (e.g., indoor air sampling using passive sampling devices for tetrachloroethene) to assess errors. Duplicate and/or split samples should be collected in accordance with the requirements of the sampling and analytical methods being implemented.

For certain regulatory programs, a Data Usability Summary Report (DUSR) may be required to determine whether or not the data, as presented, meets the site or project specific criteria for data quality and data use. This requirement may dictate the level of QC and the category of data deliverable to request from the laboratory. Guidance on preparing a DUSR is available by contacting the NYSDEC's Division of Environmental Remediation.

New York State Public Health Law requires laboratories analyzing environmental samples collected from within New York State to have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix

combinations. If ELAP certification is not currently required for an analyte (e.g., trichloroethene), the analysis should be performed by a laboratory that has ELAP certification for similar compounds in air and uses analytical methods with detection limits similar to background (e.g., tetrachloroethene via EPA Method TO-15).

The work plan must state that all samples that will be used to make decisions on appropriate actions to address exposures and environmental contamination will be analyzed by an ELAP-certified laboratory. If known, the name of the laboratory should also be provided. Similarly, the name of the laboratory that was used must be included in the report of the sampling results. For samples collected and tested in the field for screening purposes by using field testing technology, the qualifications of the field technician must be documented in the work plan.

The target final field vacuum of any sample canister after 24 hours will be approximately -5 inches of mercury. Samples with a final field vacuum of greater than -10 inches of mercury, or equal to zero, will be flagged (usability of data will depend on sample volume and reporting limits that can be achieved).

DECISION MATRICES (FIGURES 1, 2, AND 3)

The considerations in assigning a chemical to a matrix include the following:

- Human health risks, including such factors as a chemical's ability to cause cancer, reproductive, developmental, liver, kidney, nervous system, immune system or other effects, in animals and humans and the doses that may cause those effects;
- The data gaps in its toxicological database;
- Background concentrations of volatile chemicals in indoor air [Section 3.2.4]; and
- Analytical capabilities currently available.

To use the matrices accurately as a tool in the decision-making process, the following must be noted:

- The matrices are generic. As such, it may be necessary to modify recommended actions to accommodate building-specific conditions (e.g., dirt floor in basement, crawl spaces, etc.) and/or site-specific conditions (e.g., proximity of building to identified subsurface contamination) for the protection of public health. Additionally, actions more conservative than those specified within the matrix may be implemented at any time. For example, the decision to implement more conservative actions may be based on a comparison of the costs associated with resampling or monitoring to the costs associated with installation and monitoring of a mitigation system.

- Indoor air concentrations detected in samples collected from the building's basement or, if the building has a slab-on-grade foundation, from the building's lowest occupied living space should be used.

- Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude the need to investigate possible sources of vapor contamination, nor does it preclude the need to remediate contaminated soil vapors or the source of soil vapor contamination.

- When current exposures are attributed to sources other than vapor intrusion, the agencies must be provided documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix and to support assessment and follow-up by the agencies.

RECOMMENDED ACTIONS

Actions recommended in the matrix are based on the relationship between sub-slab vapor concentrations and corresponding indoor air concentrations. They are intended to address both potential and current human exposures and include the following:

- *No further action*
  When the volatile chemical is not detected in the indoor air sample and the concentration detected in the corresponding sub-slab vapor sample is not expected to substantially affect indoor air quality.

- *Identify source(s) and resample or mitigate*
  Reasonable and practical actions are recommended to identify the source(s) affecting indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. The concentration detected in the indoor air sample is likely due to indoor and/or outdoor sources rather than soil vapor intrusion given the concentration detected in the sub-slab vapor sample. Resampling may be required in the event indoor and/or outdoor sources are not readily identified or confirmed to demonstrate SVI mitigation actions are not needed. Steps should be taken to identify potential source(s) and to reduce exposures accordingly (e.g., by keeping containers tightly capped or by storing volatile chemical-containing products in places where people do not spend much time, such as a garage or shed). Mitigation may be required if soil vapor intrusion cannot be ruled out.

- *Monitor*
  Monitoring, including sub-slab vapor, basement air, lowest occupied living space air, and outdoor air sampling, is needed to determine whether concentrations in the indoor air or sub-slab vapor have changed. Monitoring may also be needed to determine whether existing building conditions (e.g., positive pressure HVAC systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined on a site-specific and building specific basis, taking into account applicable environmental data and building operating conditions.

- *Mitigate*
  Mitigation is needed to minimize current or potential exposures associated with soil vapor intrusion. Methods to mitigate exposures related to soil vapor intrusion are described in Section 4 of the Guidance.

TIME OF YEAR

Sub-slab vapor samples and, unless there is an immediate need for sampling, indoor air samples are typically collected during the heating season because soil vapor intrusion is more likely to occur when a building's heating system is in operation and air is being drawn into the building. In general, heating systems are expected to be operating routinely from November 15th to March 31st throughout the state. However, this timeframe may vary depending on factors, such as the location of the site (e.g., upstate versus downstate) and the weather conditions for a particular year.

A vapor intrusion investigation may also be conducted outside of the heating season. However, the results may not be used to rule out exposures. For example, results indicating "no further action" or "monitoring required" must be verified during the heating season to ensure these actions are protective during the heating season as well.

SAMPLING ROUNDS

Investigating a soil vapor intrusion pathway usually requires more than one round of subsurface vapor, indoor air, and/or outdoor air sampling, for reasons such as the following:

- To characterize the nature and extent of subsurface vapor contamination (similar to the delineation of groundwater contamination) and to address corresponding exposure concerns;

- To evaluate fluctuations in concentrations due to
  - Different weather conditions (e.g., seasonal effects),
  - Changes in building conditions (e.g., various operating conditions of a building's HVAC system),
  - Changes in source strength, or
  - Vapor migration or contaminant biodegradation processes (particularly when degradation products may be more toxic than the parent compounds); or

- To confirm sampling results or the effectiveness of mitigation or remedial systems.

Overall, successive rounds of sampling are conducted until the following questions can be answered:

- Are subsurface vapors contaminated? If so, what are the nature and extent of contamination? What is/are the source(s) of the contamination?
- What are the current and potential exposures to contaminated subsurface vapors?
- What actions, if any, are needed to prevent or mitigate exposures and to remediate subsurface vapor contamination?

Toward this end, multiple rounds of sampling may be required to characterize the nature and extent of subsurface vapor contamination such that

- Both potential and current exposures are adequately addressed;
- Measures can be designed to remediate subsurface vapor contamination, either directly (e.g., SVE system) or indirectly (e.g., soil excavation or groundwater remediation), given that monitoring and mitigation are considered temporary measures implemented to address exposures related to vapor intrusion until contaminated environmental media are remediated; and
- The effectiveness of remedial measures can be monitored and confirmed (e.g., endpoint sampling).

ATTACHMENTS

Figure 1 *Soil Vapor/Indoor Air Matrix A*
Figure 2 *Soil Vapor/Indoor Air Matrix B*
Figure 3 *Soil Vapor/Indoor Air Matrix C*
Figure 4 *Schematics of a permanent soil vapor probe and permanent nested soil vapor probes*
Figure 5 *Schematic of a sub-slab vapor probe*
Figure 6 *Schematics of tracer gas applications*

Air Canister Field Record

Indoor Air Quality Questionnaire and Building Inventory

REFERENCES

New York State Department of Health, *Guidance for Evaluating Soil Vapor Intrusion in the State of New York*, October 2006.

New York State Department of Health, *Indoor Air Sampling & Analysis Guidance.* (February 1, 2005).

Office of Solid Waste and Emergency Response (OSWER). *Draft Guidance for Evaluating the Vapor Intrusion to Indoor Air Pathway from Groundwater and Soils (Subsurface Vapor Intrusion Guidance)*. November 2002.

United States Environmental Protection Agency. *EPA Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air*. 1988

- Method TO-15, Determination of Volatile Organic Compounds (VOCs) in Air Collected in Specially Prepared Canisters and Analyzed by Gas Chromatography/Mass Spectrometry (GC/MS). Pp. 15-1 through 15-62.
- Method TO-17, Determination of Volatile Organic Compounds in Ambient Air using Active Sampling on Sorbent Tubes. Pp. 17-1 through 17-49.
- Compendium of Methods for the Determination of Air Pollutants in Indoor Air, EPA/600/4-90-010.

FIGURE 1

Soil Vapor/Indoor Air Matrix A

May 2017

Analytes Assigned:
Trichloroethene (TCE), *cis*-1,2-Dichloroethene (c12-DCE), 1,1-Dichloroethene (11-DCE), Carbon Tetrachloride

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m³)		
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m³)	< 0.2	0.2 to < 1	1 and above
< 6	1. No further action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
6 to < 60	4. No further action	5. MONITOR	6. MITIGATE
60 and above	7. MITIGATE	8. MITIGATE	9. MITIGATE

No further action: No additional actions are recommended to address human exposures.

Identify Source(s) and Resample or Mitigate: We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

Monitor: We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Mitigate: We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

These general recommendations are made with consideration being given to the additional notes on page 2.

MATRIX A Page 1 of 2

ADDITIONAL NOTES FOR MATRIX A

This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

[1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).

[2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.

[3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 0.20 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.

[4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.

[5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.

[6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.

FIGURE 2

Soil Vapor/Indoor Air Matrix B

May 2017

Analytes Assigned:
Tetrachloroethene (PCE), 1,1,1-Trichloroethane (111-TCA), Methylene Chloride

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m³)		
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m³)	< 3	3 to < 10	10 and above
< 100	1. No further action	2. No Further Action	3. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
100 to < 1,000	4. No further action	5. MONITOR	6. MITIGATE
1,000 and above	7. MITIGATE	8. MITIGATE	9. MITIGATE

No further action: No additional actions are recommended to address human exposures.

Identify Source(s) and Resample or Mitigate: We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

Monitor: We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Mitigate: We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

These general recommendations are made with consideration being given to the additional notes on page 2.

MATRIX B Page 1 of 2

ADDITIONAL NOTES FOR MATRIX B

This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

[1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).

[2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.

[3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 1 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.

[4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.

[5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.

[6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.

FIGURE 3

Soil Vapor/Indoor Air Matrix C

May 2017

Analytes Assigned:
Vinyl Chloride

	INDOOR AIR CONCENTRATION of COMPOUND (mcg/m³)	
SUB-SLAB VAPOR CONCENTRATION of COMPOUND (mcg/m³)	< 0.2	0.2 and above
< 6	1. No further action	2. IDENTIFY SOURCE(S) and RESAMPLE or MITIGATE
6 to < 60	3. MONITOR	4. MITIGATE
60 and above	5. MITIGATE	6. MITIGATE

No further action: No additional actions are recommended to address human exposures.

Identify Source(s) and Resample or Mitigate: We recommend that reasonable and practical actions be taken to identify the source(s) affecting the indoor air quality and that actions be implemented to reduce indoor air concentrations to within background ranges. For example, if an indoor or outdoor air source is identified, we recommend the appropriate party implement actions to reduce the levels. In the event that indoor or outdoor sources are not readily identified or confirmed, resampling (which might include additional sub-slab vapor and indoor air sampling locations) is recommended to demonstrate that SVI mitigation actions are not needed. Based on the information available, mitigation might also be recommended when soil vapor intrusion cannot be ruled out.

Monitor: We recommend monitoring (sampling on a recurring basis), including but not necessarily limited to sub-slab vapor, basement air and outdoor air sampling, to determine whether concentrations in the indoor air or sub-slab vapor have changed and/or to evaluate temporal influences. Monitoring might also be recommended to determine whether existing building conditions (e.g., positive pressure heating, ventilation and air-conditioning systems) are maintaining the desired mitigation endpoint and to determine whether changes are needed. The type and frequency of monitoring is determined based on site-, building- and analyte-specific information, taking into account applicable environmental data and building operating conditions. Monitoring is an interim measure required to evaluate exposures related to soil vapor intrusion until contaminated environmental media are remediated.

Mitigate: We recommend mitigation to minimize current or potential exposures associated with soil vapor intrusion. The most common mitigation methods are sealing preferential pathways in conjunction with installing a sub-slab depressurization system and changing the pressurization of the building in conjunction with monitoring. The type, or combination of types, of mitigation is determined on a building-specific basis, taking into account building construction and operating conditions. Mitigation is considered a temporary measure implemented to address exposures related to soil vapor intrusion until contaminated environmental media are remediated.

These general recommendations are made with consideration being given to the additional notes on page 2.

MATRIX C Page 1 of 2

ADDITIONAL NOTES FOR MATRIX C

This matrix summarizes actions recommended to address current and potential exposures related to soil vapor intrusion. To use the matrix appropriately as a tool in the decision-making process, the following should be noted:

[1] The matrix is generic. As such, it may be appropriate to modify a recommended action to accommodate analyte-specific, building-specific conditions (e.g., dirt floor in basement, crawl spaces, thick slabs, current occupancy, etc.), and/or factors provided in Section 3.2 of the guidance (e.g., current land use, environmental conditions, etc.). For example, collection of additional samples may be recommended when the matrix indicates "no further action" for a particular building, but the results of adjacent buildings (especially sub-slab vapor results) indicate a need to take actions to address exposures related to soil vapor intrusion. Mitigation might be recommended when the results of multiple contaminants indicate monitoring is recommended. Proactive actions may be proposed at any time. For example, the party implementing the actions may decide to install sub-slab depressurization systems on buildings where the matrix indicates "no further action" or "monitoring." Such an action might be undertaken for reasons other than public health (e.g., seeking community acceptance, reducing costs, etc.). However, actions implemented *in lieu* of sampling will typically be expected to be captured in the final engineering report and site management plan, and might not rule out the need for post-implementation sampling (e.g., to document effectiveness or to support terminating the action).

[2] Actions provided in the matrix are specific to addressing human exposures. Implementation of these actions does not preclude investigating possible sources of soil vapor contamination, nor does it preclude remediating contaminated soil vapor or the source of soil vapor contamination.

[3] Appropriate care should be taken during all aspects of sample collection to ensure that high quality data are obtained. Since the data are being used in the decision-making process, the laboratory analyzing the environmental samples must have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. Furthermore, samples should be analyzed by methods that can achieve a minimum reporting limit of 0.20 microgram per cubic meter for indoor and outdoor air samples. For sub-slab vapor samples and dirt floor soil vapor samples, a minimum reporting limit of 1 microgram per cubic meter is recommended.

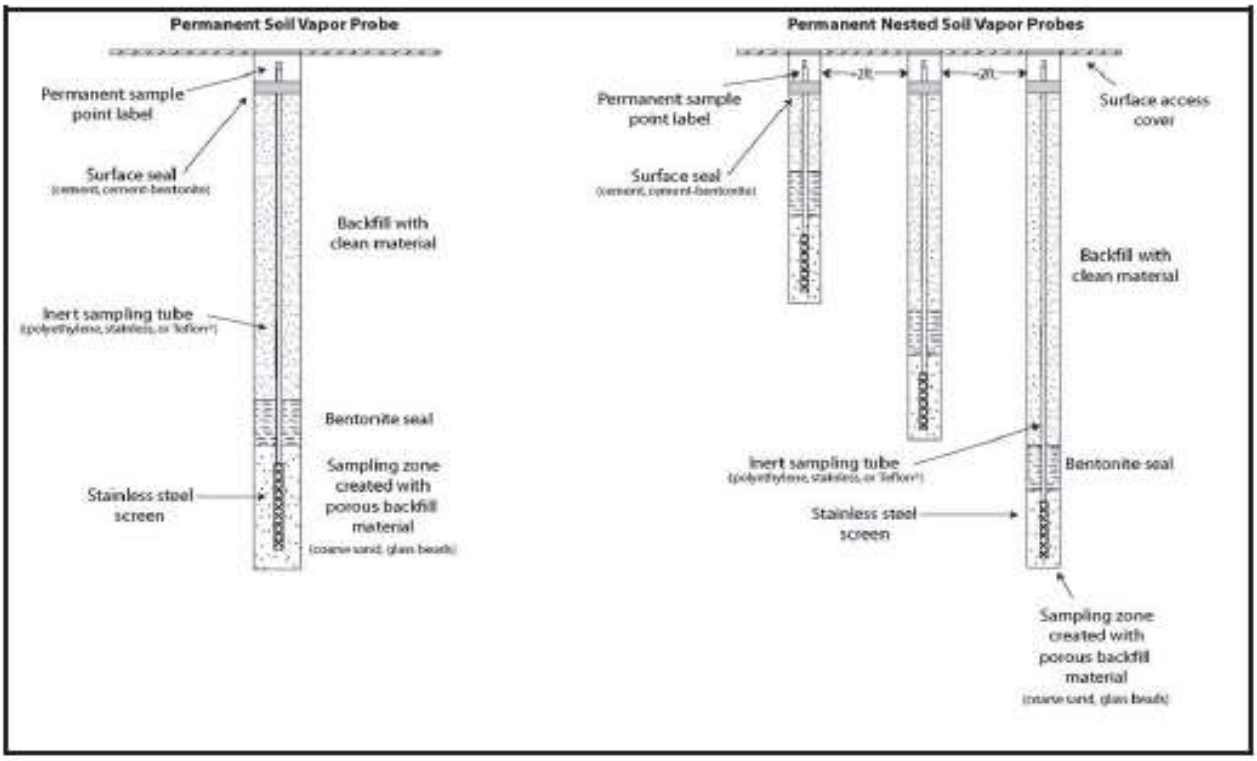
[4] Sub-slab vapor and indoor air samples are typically collected when the likelihood of soil vapor intrusion is considered to be the greatest (i.e., worst-case conditions). If samples are collected at other times (typically, samples collected outside of the heating season), then resampling during worst-case conditions might be appropriate to verify that actions taken to address exposures related to soil vapor intrusion are protective of human health.

[5] When current exposures are attributed to sources other than soil vapor intrusion, the agencies should be given documentation (e.g., applicable environmental data, completed indoor air sampling questionnaire, digital photographs, etc.) to support a proposed action other than that provided in the matrix box and to support agency assessment and follow-up.

[6] The party responsible for implementing the recommended actions will differ depending upon several factors, including but not limited to the following: the identified source of the volatile chemicals, the environmental remediation program, and analyte-specific, site-specific and building-specific factors.

FIGURE 4

Schematics of a permanent soil vapor probe and permanent nested soil vapor probes





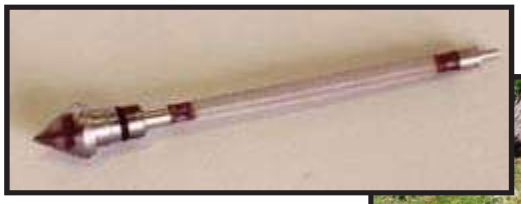
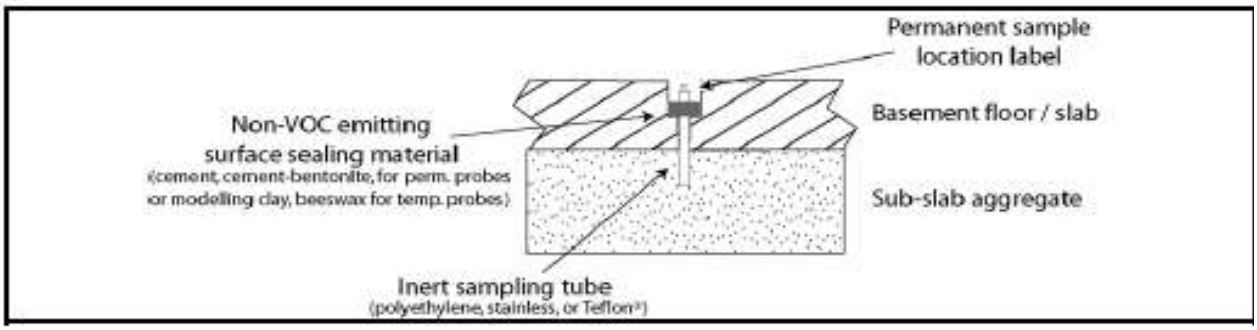




FIGURE 5

Schematic of a sub-slab vapor probe



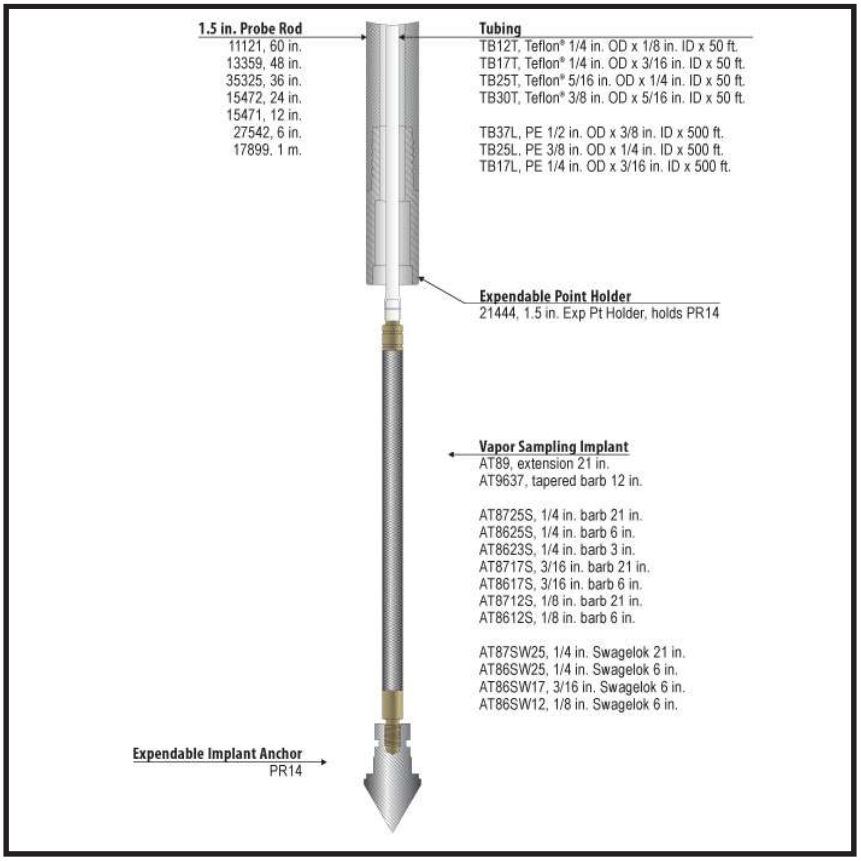
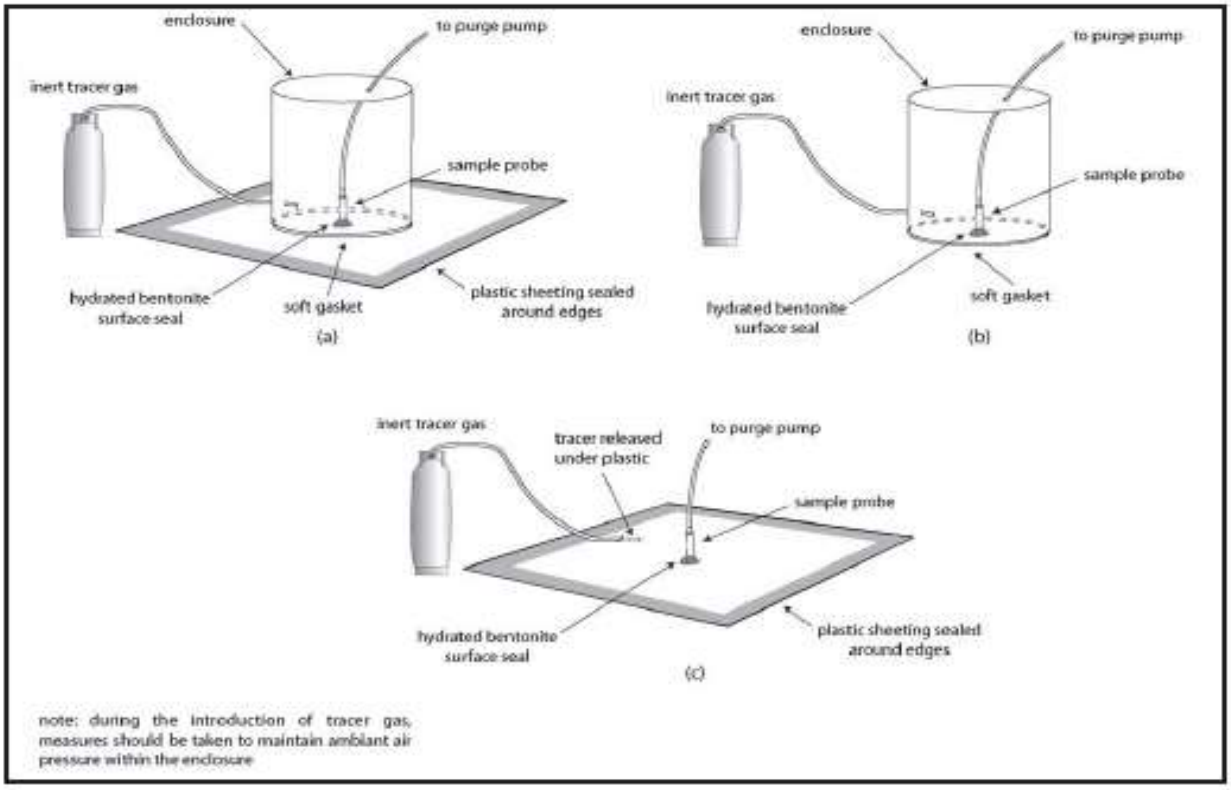


FIGURE 6

Schematics of tracer gas applications







AIR CANISTER FIELD RECORD

PROJECT INFORMATION:

Project:
Job No:
Location:
Field Staff:
Client:

SAMPLE I.D.:

Size of Canister:
Canister Serial No.:
Flow Controller No.:
Sample Date(s):
Shipping Date:
Sample Type: ☐ Indoor Air ☐ Outdoor Air
☐ Subslab, complete section below ☐ Soil Gas
Soil Gas Probe Depth:

WEATHER CONDITIONS:

Ambient Air Temp. - A.M.:
Ambient Air Temp. - P.M.:
Wind Direction:
Wind Speed:
Precipitation:

FIELD SAMPLING INFORMATION:

READING	TIME	VACUUM (inches Hg) or PRESSURE (psig)	DATE	INITIALS
Lab Vacuum (on tag)				
Field Vacuum Check [1]				
Initial Field Vacuum [2]				
Final Field Vacuum [3]				
Duration of Sample Collection				

LABORATORY CANISTER PRESSURIZATION:

Initial Vacuum (inches Hg and psia)		
Final Pressure (psia)		
Pressurization Gas		

SUBSLAB SHROUD:

Shroud Helium Concentration:
Calculated tubing volume x 3 =
Purged Tubing Volume Concentration:
Is the purged volume concentration less than or equal to 10% in shroud?
☐ YES, continue sampling
☐ NO, improve surface seal and retest

COMPOSITE TIME (hours)	FLOW RATE RANGE (ml/min)
15 Min.	316 - 333
0.5 Hours	158 - 166.7
1	79.2 - 83.3
2	39.6 - 41.7
4	19.8 - 20.8
6	13.2 - 13.9
8	9.9 - 10.4
10	7.92 - 8.3
12	6.6 - 6.9
24	3.5 - 4.0

NOTES:

1 Vacuum measured using portable vacuum gauge (provided by Lab)
2 Vacuum measured by canister gauge upon opening valve
3 Vacuum measured by canister gauge prior to closing valve

Signed:

SAMPLE

SOIL VAPOR SAMPLE COLLECTION PROCEDURE



BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

INDOOR AIR QUALITY QUESTIONNAIRE & BUILDING INVENTORY

Project Name: Project No.
Project Location: Client:
Preparer's Name: Date/Time:
Preparer's Affiliation: Phone No:
Purpose of Investigation:

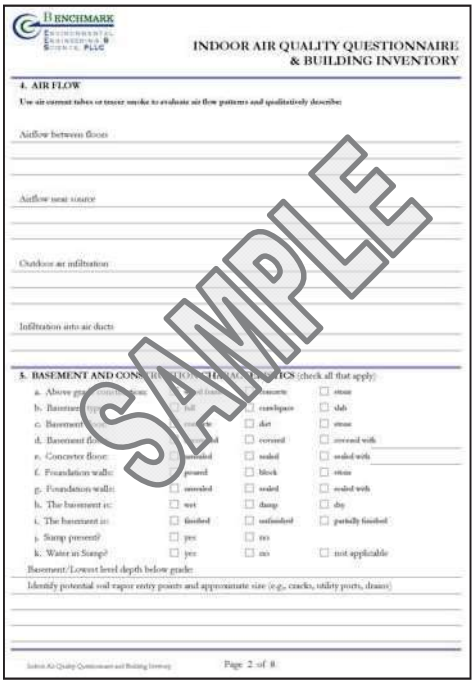
1. OCCUPANT:
Interviewed: yes no
Last Name: First Name:
Address:
County:
Home Phone: Office Phone:
Number of Occupants/persons at this location: Age of Occupants:

2. OWNER OR LANDLORD: (check if same as occupant)
Interviewed: yes no
Last Name:
Address:
County:
Home Phone:

3. BUILDING CHARACTERISTICS
Type of Building: (check appropriate response)
☐ Residential ☐ Commercial/Multi-use
☐ Industrial ☐ Other:
If the property is residential: (respond, check appropriate response)
☐ 1 Family ☐ 3 Family
☐ Raised Ranch ☐ Split Level ☐ Colonial
☐ Cape ☐ Contemporary ☐ Mobile Home
☐ Duplex ☐ Apartment House ☐ Townhouse/Condo
☐ 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)? yes no If yes, how many?
Other Characteristics:
Number of floors Building age:
Is the building insulated? yes no How air tight? tight average not tight

Indoor Air Quality Questionnaire and Building Inventory Page 1 of 8

SAMPLE



BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

INDOOR AIR QUALITY QUESTIONNAIRE & BUILDING INVENTORY

4. AIR FLOW
Use air current tubes or tracer smoke to evaluate air flow patterns and qualitatively describe:
Airflow between floors
Airflow near source
Outdoor air infiltration
Infiltration into air ducts

5. BASEMENT AND CONSTRUCTION CHARACTERISTICS (check all that apply)
a. Above grade construction: ☐ wood ☐ concrete ☐ stone
b. Basement type: ☐ full ☐ crawlspace ☐ slab
c. Basement location: ☐ partial ☐ dirt ☐ stone
d. Basement floor: ☐ concrete ☐ covered ☐ covered with
e. Concrete floor: ☐ unsealed ☐ sealed ☐ sealed with
f. Foundation walls: ☐ poured ☐ block ☐ stone
g. Foundation walls: ☐ unsealed ☐ sealed ☐ sealed with
h. The basement is: ☐ wet ☐ damp ☐ dry
i. The basement is: ☐ finished ☐ unfinished ☐ partially finished
j. Sump present? ☐ yes ☐ no
k. Water in Sump? ☐ yes ☐ no ☐ not applicable
Basement/Lowest level depth below grade:
Identify potential soil vapor entry points and approximate size (e.g., cracks, utility ports, drains):

Indoor Air Quality Questionnaire and Building Inventory Page 2 of 8

SAMPLE



BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

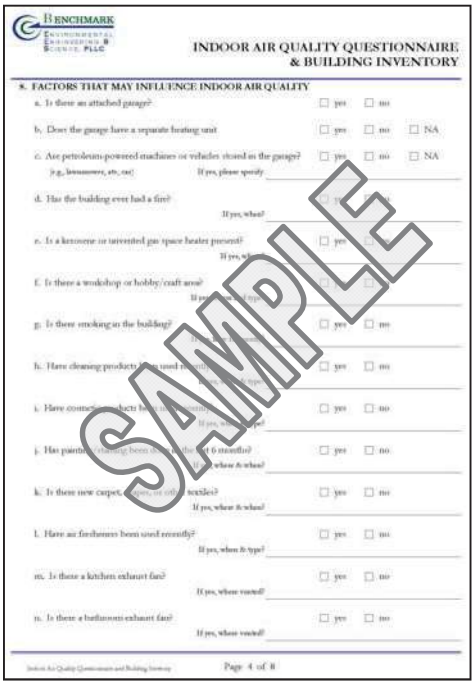
INDOOR AIR QUALITY QUESTIONNAIRE & BUILDING INVENTORY

6. HEATING, VENTING, and AIR CONDITIONING (check all that apply)
Type of heating system(s) used in this building: (check all that apply - note primary)
☐ Hot air circulation ☐ Heat pump ☐ Hot water baseboard
☐ Space Heaters ☐ Steam 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 ☐ Other
☐ Wood ☐ Coal ☐ Other
Domestic hot water tank fueled by:
Boiler/furnace located in:
☐ Basement ☐ Outdoors ☐ Other
Air Conditioning:
☐ Central Air ☐ Window Units ☐ Open Windows ☐ None
Are there air distribution ducts present? ☐ yes ☐ no
Describe the supply and cold air return ductwork, noting insulation 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., family room, bedroom, laundry, workshop, storage)
Basement
First Floor
Second Floor
Third Floor
Fourth Floor

Indoor Air Quality Questionnaire and Building Inventory Page 3 of 8

SAMPLE



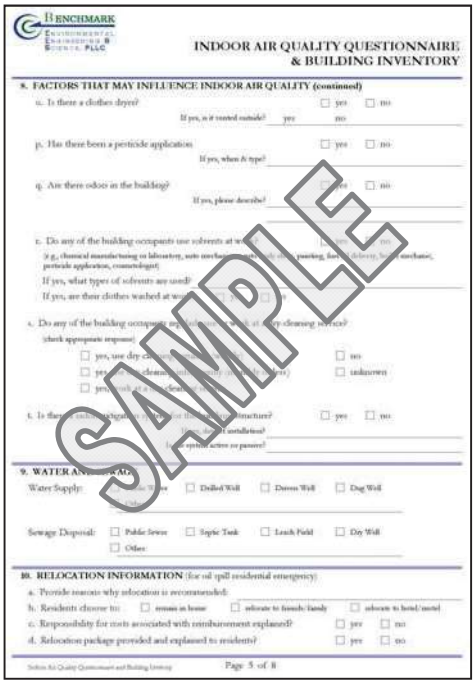
BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

INDOOR AIR QUALITY QUESTIONNAIRE & BUILDING INVENTORY

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY
a. Is there an attached garage? ☐ yes ☐ no
b. Does the garage have a separate heating unit ☐ yes ☐ no ☐ NA
c. Are petroleum-powered machines or vehicles stored in the garage? ☐ yes ☐ no ☐ NA
(e.g., lawnmower, atv, car) If yes, please specify:
d. Has the building ever had a fire? ☐ yes ☐ no
If yes, when?
e. Is a kerosene or unvented gas space heater present? ☐ yes ☐ no
If yes, where?
f. Is there a workshop or hobby/craft area? ☐ yes ☐ no
If yes, describe type:
g. Is there smoking in the building? ☐ yes ☐ no
h. Have cleaning products been used recently? ☐ yes ☐ no
If yes, describe type:
i. Have cosmetic products been used recently? ☐ yes ☐ no
If yes, describe type:
j. Has painting or staining been done in the last 6 months? ☐ yes ☐ no
If yes, what & when?
k. Is there new carpet, drapes, or other textiles? ☐ yes ☐ no
If yes, what & when?
l. Have air fresheners been used recently? ☐ yes ☐ no
If yes, when & type?
m. Is there a kitchen exhaust fan? ☐ yes ☐ no
If yes, where vented?
n. Is there a bathroom exhaust fan? ☐ yes ☐ no
If yes, where vented?

Indoor Air Quality Questionnaire and Building Inventory Page 4 of 8

SAMPLE


BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

INDOOR AIR QUALITY QUESTIONNAIRE & BUILDING INVENTORY

8. FACTORS THAT MAY INFLUENCE INDOOR AIR QUALITY (continued)

o. Is there a clothes dryer? ☐ yes ☐ no

If yes, is it vented outside? ☐ yes ☐ no

p. Has there been a pesticide application? ☐ yes ☐ no

If yes, when & type?

q. Are there odors in the building? ☐ yes ☐ no

If yes, please describe?

r. Do any of the building occupants use solvents at work? ☐ yes ☐ no

(e.g., chemical manufacturing or laboratory, auto mechanic, painting, fuel delivery, auto mechanic, pesticide application, cosmetologist)

If yes, what types of solvents are used?

If yes, are their clothes washed at work? ☐ yes ☐ no

s. Do any of the building occupants use solvents at work? ☐ yes ☐ no

(check appropriate response)

☐ yes, use dry cleaning regularly (weekly or monthly) ☐ yes, use dry-cleaning services occasionally (once or twice a year) ☐ unknown ☐ yes, but rarely (every few years)

t. Is there a fuel-powered heating system, other than the primary source, located in the structure? ☐ yes ☐ no

If yes, is combustion adequate? ☐ yes ☐ no

(vent system active or 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:

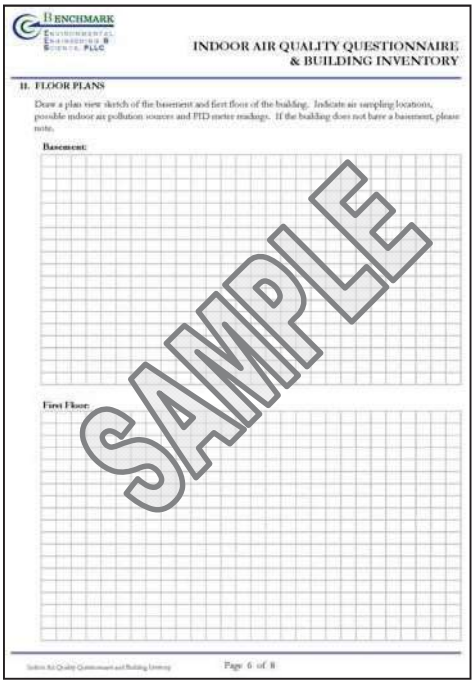
b. Residents choose to: ☐ remain in home ☐ relocate to friend's family ☐ relocate to hotel/motel

c. Responsibility for costs associated with reimbursement explained? ☐ yes ☐ no

d. Relocation package provided and explained to residents? ☐ yes ☐ no

Indoor Air Quality Questionnaire and Building Inventory Page 5 of 8

SAMPLE


BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

INDOOR AIR QUALITY QUESTIONNAIRE & BUILDING INVENTORY

11. FLOOR PLANS

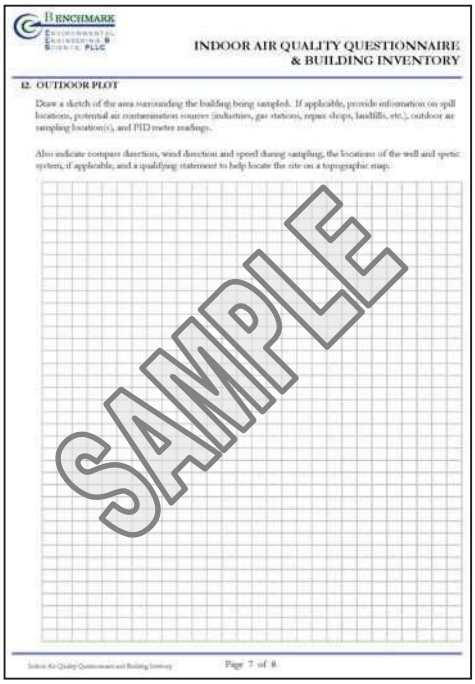
Draw a plan view sketch of the basement and first floor of the building. Indicate air sampling locations, possible indoor air pollution sources and PID meter readings. If the building does not have a basement, please note.

Basement:

First Floor:

Indoor Air Quality Questionnaire and Building Inventory Page 6 of 8

SAMPLE


BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

INDOOR AIR QUALITY QUESTIONNAIRE & BUILDING INVENTORY

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.

Indoor Air Quality Questionnaire and Building Inventory Page 7 of 8

SAMPLE


BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

INDOOR AIR QUALITY QUESTIONNAIRE & BUILDING INVENTORY

13. PRODUCT INVENTORY FORM

Make & Model of field instrument used:

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

Location	Product Description	Size (units)	Condition [1]	Chemical Ingredients	Field Instrument Reading (units)	Photo (Y/N)

Notes:

1. Describe the condition of the product containers as **Unopened (UO), Used (U),** or **Deteriorated (D).**
2. 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.

Indoor Air Quality Questionnaire and Building Inventory Page 8 of 8

SAMPLE

ROUX

FIELD OPERATING PROCEDURES

Calibration and Maintenance of Portable Dissolved Oxygen Meter

FOP 007.0

CALIBRATION AND MAINTENANCE OF PORTABLE DISSOLVED OXYGEN METER

PURPOSE

This guideline describes a method for calibration of a portable dissolved oxygen meter. This meter measures the concentration of dissolved oxygen within a water sample. This parameter is of interest both as a general indicator of water quality, and because of its pertinence to fate and transport of organics and inorganics. This guideline presents a method for calibration of this meter, which is performed to verify instrument accuracy and function. All field instruments will be calibrated, verified and recalibrated at frequencies required by their respective operating manuals or manufacturer's specifications, but not less than once each day that the instrument is in use. Field personnel should have access to all operating manuals for the instruments used for the field measurements. This procedure also documents critical maintenance activities for this meter.

ACCURACY

The calibrated accuracy of the dissolved oxygen meter will be within ± 1% of full-scale over the temperature range of 23° to 113° F (-5° to +45° C).

PROCEDURE

1. Calibrate the dissolved oxygen meter to ambient air based on probe temperature and true local atmospheric pressure conditions (or feet above sea level). Because procedures vary with different brands and models of meters, refer to the manufacturer's recommended calibration procedures.

2. In the event of a failure to adequately calibrate, follow the corrective action directed by the manufacturer.
3. If calibration cannot be achieved or maintained, obtain a replacement instrument (rental instruments) and/or order necessary repairs/adjustment.

4. Document the calibration results and related information in the Project Field Book and on an **Equipment Calibration Log** (see attached sample). Information will include, at a minimum:
    - Time, date, and initials of the field team member performing the calibration
    - The unique identifier for the meter, including manufacturer, model, and serial number
    - The brand and expiration dates of calibration solutions
    - The calibration readings
    - The instrument settings (if applicable)
    - The approximate response time
    - The overall adequacy of calibration including the Pass or fail designation in accordance with the accuracy specifications presented above
    - Corrective action taken (see Step 5 above) in the event of failure to adequately calibrate

MAINTENANCE

- When not in use or between measurements, the dissolved oxygen probe will be kept immersed in or moist with deionized water.

- The meter batteries will be checked prior to each meter's use and will be replaced when the meter cannot be redline adjusted.

- The meter response time and stability will be tracked to determine the need for instrument maintenance. When response time becomes greater than two minutes, probe service is indicated.

ATTACHMENTS

Equipment Calibration Log (sample)

FOP 007.0

CALIBRATION AND MAINTENANCE OF PORTABLE DISSOLVED OXYGEN METER

EQUIPMENT CALIBRATION

PROJECT INFORMATION:

Project Name: Date:

Project No.:

Client: Instrument Source: ☐ BM ☐ Rental

METER TYPE	UNITS	TIME	MAKE/MODEL	SERIAL NUMBER	CAL. BY	STANDARD	READING	SETTI
☐ pH meter	units		Myron L Company Ultra Meter 6P	606987		4.00		
						7.00		
						10.01		
☐ Turbidity meter	NTU		Hach 2100P Turbidimeter	970600014560		< 0.4		
						20		
						100		
						800		
☐ Sp. conductance meter	uS/mS		Myron L Company Ultra Meter 6P	606987		µS @ 25 °C		
☐ PID	ppm		Photovac 2020 PID			open air zero		MIBK re
						____ ppm Iso. Gas		factor =
☐ Particulate meter	mg/m³					zero air		
☐ Oxygen	%					open air		
☐ Hydrogen sulfide	ppm					open air		
☐ Carbon monoxide	ppm					open air		
☐ LEL	%					open air		
☐ Radiation Meter	uR/h					background area		
☐								

SAMPLE

ADDITIONAL REMARKS:

PREPARED BY: **DATE:**

ROUX

FIELD OPERATING PROCEDURES

Calibration and Maintenance of Portable Field pH/Eh Meter

FOP 008.0

CALIBRATION AND MAINTENANCE OF PORTABLE FIELD pH/Eh METER

PURPOSE

This guideline describes a method for calibration of a portable pH/Eh meter. The pH/Eh meter measures the hydrogen ion concentration or acidity of a water sample (pH function), and the oxidation/reduction potential of a water sample (Eh function). Calibration is performed to verify instrument accuracy and function. All field instruments will be calibrated, verified and recalibrated at frequencies required by their respective operating manuals or manufacturer's specifications, but not less than once each day that the instrument is in use. Field personnel should have access to all operating manuals for the instruments used for the field measurements. This procedure also documents critical maintenance activities for this meter.

ACCURACY

The calibrated accuracy of the pH/Eh meter will be:

pH ± 0.2 pH unit, over the temperature range of ± 0.2 C.

Eh ± 0.2 millivolts (mV) over the range of ± 399.9 mV, otherwise ± 2 mV.

PROCEDURE

Note: Meters produced by different manufacturers may have different calibration procedures. These instructions will take precedence over the procedure provided herein. This procedure is intended to be used as a general guideline, or in the absence of available manufacturer's instructions.

1. Obtain and active the meter to be used. As stated above, initial calibrations will be performed at the beginning of each sampling day.

2. Immerse the sensing probe in a container of certified pH 7.0 buffer solution traceable to the National Bureau of Standards.

3. Measure the temperature of the buffer solution, and adjust the temperature setting accordingly.

4. Compare the meter reading to the known value of the buffer solution while stirring. If the reading obtained by the meter does not agree with the known value of the buffer solution, recalibrate the meter according to the manufacturer's instructions until the desired reading is obtained. This typically involves accessing and turning a dial or adjustment screw while measuring the pH of the buffer solution. The meter is adjusted until the output agrees with the known solution pH.

5. Repeat Steps 2 through 5 with a pH 4.0 and 10.0 buffer solution to provide a three-point calibration. Standards used to calibrate the pH meter will be of concentrations that bracket the expected values of the samples to be analyzed, especially for two-point calibrations (see note below).

Note: Some pH meters only allow two-point calibrations. Two-point calibrations should be within the suspected range of the groundwater to be analyzed. For example, if the groundwater pH is expected to be approximately 8, the two-point calibration should bracket that value. Buffer solutions of 7 and 10 should then be used for the two-point calibration.

6. Document the calibration results and related information in the Project Field Book and on an **Equipment Calibration Log** (see attached sample). Information will include, at a minimum:

    - Time, date, and initials of the field team member performing the calibration
    - The unique identifier for the meter, including manufacturer, model, and serial number
    - The brand and expiration dates of buffer solutions
    - The instrument readings
    - The instrument settings (if applicable)

- Pass or fail designation in accordance with the accuracy specifications presented above
- Corrective action taken (see Maintenance below) in the event of failure to adequately calibrate

MAINTENANCE

- When not in use, or between measurements, keep the pH/Eh probe immersed in or moist with buffer solutions.

- Check the meter batteries at the end of each day and recharge or replace as needed.

- Replace the pH/Eh probe any time that the meter response time becomes greater than two minutes or the meeting system consistently fails to retain its calibrated accuracy for a minimum of ten sample measurements.

- If a replacement of the pH/Eh probe fails to resolve instrument response time and stability problems, obtain a replacement instrument (rental instruments) and/or order necessary repairs/adjustment.

ATTACHMENTS

Equipment Calibration Log (sample)

FOP 008.0

CALIBRATION AND MAINTENANCE OF PORTABLE FIELD pH/Eh METER

EQUIPMENT CALIBRATION

PROJECT INFORMATION:

Project Name: Date:

Project No.:

Client: Instrument Source: ☐ BM ☐ Rental

METER TYPE	UNITS	TIME	MAKE/MODEL	SERIAL NUMBER	CAL. BY	STANDARD	READING	SETTI
☐ pH meter	units		Myron L Company Ultra Meter 6P	606987		4.00		
						7.00		
						10.01		
☐ Turbidity meter	NTU		Hach 2100P Turbidimeter	970600014560		< 0.4		
						20		
						100		
						800		
☐ Sp. conductance meter	uS/mS		Myron L Company Ultra Meter 6P	606987		µS @ 25 °C		
☐ PID	ppm		Photovac 2020 PID			open air zero		MIBK re
						____ ppm Iso. Gas		factor =
☐ Particulate meter	mg/m^3					zero air		
☐ Oxygen	%					open air		
☐ Hydrogen sulfide	ppm					open air		
☐ Carbon monoxide	ppm					open air		
☐ LEL	%					open air		
☐ Radiation Meter	uR/h					background area		
☐								

SAMPLE

ADDITIONAL REMARKS:

PREPARED BY: **DATE:**

ROUX

FIELD OPERATING PROCEDURES

Calibration and Maintenance of Portable Field Turbidity Meter

FOP 009.0

CALIBRATION AND MAINTENANCE OF PORTABLE FIELD TURBIDITY METER

PURPOSE

This guideline describes the method for calibration of the HACH 2100P portable field turbidity meter. Turbidity is one water quality parameter measured during purging and development of wells. Turbidity is measured as a function of the samples ability to transmit light, expressed as Nephelometric Turbidity Units (NTUs). The turbidity meter is factory calibrated and must be checked daily prior to using the meter in the field. Calibration is performed to verify instrument accuracy and function. This procedure also documents critical maintenance activities for this meter.

ACCURACY

Accuracy shall be ± 2% of reading below 499 NTU or ± 3% of reading above 500 NTU with resolution to 0.01 NTU in the lowest range. The range key provides for automatic or manual range selection for ranges of 0.00 to 9.99, 0.0 to 99.9 and 0 to 1000 NTU. Another key provides for selecting automatic signal averaging. Pressing the key shall toggle signal averaging on or off.

PROCEDURE

Calibration of the 2100P Turbidimeter is based on formazin, the primary standard for turbidity. The instrument's electronic and optical design provides long-term stability and minimizes the need for frequent calibration. The two-detector ratioing system compensates for most fluctuations in lamp output. **A formazin recalibration should be performed at least once every three months,** more often if experience indicates the need. During calibration, use a primary standard such as StablCal™ Stabilized Standards or formazin standards.

Note: Meters produced by different manufacturers may have different calibration check procedures. These manufacturers' instructions will take precedence over the procedure provided here. This procedure is intended to be used as a general guideline, or in the absence of available manufacturer's instructions.

Note: Because the turbidity meter measures light transmission, it is critical that the meter and standards be cared for as precision optical instruments. Scratches, dirt, dust, etc. can all temporarily or permanently affect the accuracy of meter readings.

Preparing StablCal Stabilized Standards in Sealed Vials

Sealed vials that have been sitting undisturbed for longer than a month must be shaken to break the condensed suspension into its original particle size. Start at *step 1* for these standards. If the standards are used on at least a weekly interval, start at *step 3*.

Note: These instructions do not apply to < 0.1 NTU StablCal Standards; < 0.1 NTU StablCal Standards should not be shaken or inverted.

1. Shake the standard vigorously for 2-3 minutes to re-suspend any particles.
2. Allow the standard to stand undisturbed for 5 minutes.
3. Gently invert the vial of StablCal 5 to 7 times.
4. Prepare the vial for measurement using traditional preparation techniques. This usually consists of oiling the vial (see *Section 2.3.2 on page 11 of the manual*)

and marking the vial to maintain the same orientation in the sample cell compartment (see *Section 2.3.3 on page 12 of the manual*). This step will eliminate any optical variations in the sample vial.

5. Let the vial stand for one minute. The standard is now ready for use in the calibration procedure.

Calibration Procedure

1. Turn the meter on.

2. Shake pre-mixed formazin primary standards in accordance with the above procedure.

3. Wipe the outside of the < 0.1 NTU standard and insert the sample cell in the cell compartment by aligning the orientation mark on the cell with the mark on the front of the cell compartment.

4. Close the lid and press **I/O**.

5. Press the **CAL** button. The **CAL** and **S0** icons will be displayed and the 0 will flash. The four-digit display will show the value of the **S0** standard for the previous calibration. If the blank value was forced to 0.0, the display will be blank. Press the right arrow key (→) to get a numerical display.

6. Press **READ**. The instrument will count from 60 to 0, read the blank and use it to calculate a correction factor for the 20 NTU standard measurement. If the dilution water is ≥ 0.5 NTU, E 1 will appear when the calibration is calculated (*see Section 3.6.2.3 on page 31 of the manual*). The display will automatically increment to the next standard. Remove the sample cell from the cell compartment

Note: The turbidity of the dilution water can be "forced" to zero by pressing → rather than reading the dilution water. The display will show "S0 NTU" and the ↑ key must be pressed to continue with the next standard.

7. Repeat steps 1 through 7 for the 20, 100 and 800 standards.

8. Following the 800 NTU standard calibration, the display will increment back to the **S0** display. Remove the sample cell from the cell compartment.

9. Press **CAL** to accept the calibration. The instrument will return to measurement mode automatically.

10. Document the calibration results and related information in the Project Field Book and on an **Equipment Calibration Log** (see attached sample). Information will include, at a minimum:
    - Time, date, and initials of the field team member performing the calibration
    - The unique identifier for the meter, including manufacturer, model, and serial number
    - The brand of calibration standards
    - The instrument readings
    - The instrument settings (if applicable)
    - Pass or fail designation in accordance with the accuracy specifications presented above
    - Corrective action taken (see Maintenance below) in the event of failure to adequately calibrate.

Note: Pressing CAL completes the calculation of the calibration coefficients. If calibration errors occurred during calibration, error messages will appear after CAL is pressed. If E 1 or E 2 appear, check the standard preparation and review the calibration; repeat the calibration if necessary. If "CAL?" appears, an error may have

occurred during calibration. If "CAL?" is flashing, the instrument is using the default calibration.

NOTES

- If the **I/O** key is pressed during calibration, the new calibration data is lost and the old calibration will be used for measurements. Once in calibration mode, only the **READ, I/O,** ↑ , and →keys function. Signal averaging and range mode must be selected before entering the calibration mode.

- If **E 1** or **E 2** are displayed, an error occurred during calibration. Check the standard preparation and review the calibration; repeat the calibration if necessary. Press **DIAG** to cancel the error message (**E 1** or **E 2)**. To continue without repeating the calibration, press **I/O** twice to restore the previous calibration. If "**CAL?"** is displayed, an error may have occurred during calibration. The previous calibration may not be restored. Either recalibrate or use the calibration as is.

- To review a calibration, press **CAL** and then ↑ to view the calibration standard values. As long as **READ** is never pressed and **CAL** is not flashing, the calibration will not be updated. Press **CAL** again to return to the measurement mode.

MAINTENANCE

- **Cleaning**: Keep the turbidimeter and accessories as clean as possible and store the instrument in the carrying case when not in use. Avoid prolonged exposure to sunlight and ultraviolet light. Wipe spills up promptly. Wash sample cells with non-abrasive laboratory detergent, rinse with distilled or demineralized water, and air dry. Avoid scratching the cells and wipe all moisture and fingerprints off the cells before inserting them into the instrument. Failure to do so can give inaccurate readings. See *Section 2.3.1 on page 11of the manual* for more information about sample cell care.

- **Battery Replacement**: AA alkaline cells typically last for about 300 tests with the signal-averaging mode off, about 180 tests if signal averaging is used. The "battery" icon flashes when battery replacement is needed. Refer to *Section 1.4.2 on page 5 of the manual* for battery installation instructions. If the batteries are changed within 30

seconds, the instrument retains the latest range and signal average selections. If it takes more than 30 seconds, the instrument uses the default settings. If, after changing batteries, the instrument will not turn off or on and the batteries are good, remove the batteries and reinstall them. If the instrument still won't function, contact Hach Service or the nearest authorized dealer.

- **Lamp Replacement**: The procedure in *Section 4.0 on page 49 of the manual* explains lamp installation and electrical connections. Use a small screwdriver to remove and install the lamp leads in the terminal block. The instrument requires calibration after lamp replacement.

ATTACHMENTS

Equipment Calibration Log (sample)

FOP 009.0

CALIBRATION AND MAINTENANCE OF PORTABLE FIELD TURBIDITY METER

EQUIPMENT CALIBRATION

PROJECT INFORMATION:

Project Name: Date:

Project No.:

Client: Instrument Source: ☐ BM ☐ Rental

METER TYPE	UNITS	TIME	MAKE/MODEL	SERIAL NUMBER	CAL. BY	STANDARD	READING	SETTI
☐ pH meter	units		Myron L Company Ultra Meter 6P	606987		4.00		
						7.00		
						10.01		
☐ Turbidity meter	NTU		Hach 2100P Turbidimeter	970600014560		< 0.4		
						20		
						100		
						800		
☐ Sp. conductance meter	uS/mS		Myron L Company Ultra Meter 6P	606987		µS @ 25 °C		
☐ PID	ppm		Photovac 2020 PID			open air zero		MIBK re
						____ ppm Iso. Gas		factor =
☐ Particulate meter	mg/m³					zero air		
☐ Oxygen	%					open air		
☐ Hydrogen sulfide	ppm					open air		
☐ Carbon monoxide	ppm					open air		
☐ LEL	%					open air		
☐ Radiation Meter	uR/h					background area		
☐								

SAMPLE

ADDITIONAL REMARKS:

PREPARED BY: **DATE:**

ROUX

FIELD OPERATING PROCEDURES

Calibration and Maintenance of Portable Photoionization Detector (PID)

FOP 011.1

CALIBRATION AND MAINTENANCE OF PORTABLE PHOTOIONIZATION DETECTOR

PURPOSE

This procedure describes a general method for the calibration and maintenance of a portable photoionization detector (PID). The PID detects and initially quantifies a reading of the volatile organic compound (VOC) concentration in air. The PID is used as a field-screening tool for initial evaluation of soil samples and for ambient air monitoring of compounds with ionization potentials (IP) less than the PID lamp electron voltage (eV) rating. The IP is the amount of energy required to move an electron to an infinite distance from the nucleus thus creating a positive ion plus an electron. It should be noted that all of the major components of air (i.e., carbon dioxide, methane, nitrogen, oxygen etc.) have IP's above 12 eV. As a result, they will not be ionized by the 9.8, 10.6, or 11.7 eV lamps typically utilized in field PIDs. The response of the PID will then be the sum of the organic and inorganic compounds in air that are ionized by the appropriate lamp (i.e., 9.8, 10.6 or 11.7 eV). Attached to this FOP is a table summarizing common organic compounds and their respective IPs.

Calibration is performed to verify instrument accuracy and function. All field instruments will be calibrated, verified and recalibrated at frequencies required by their respective operating manuals or manufacturer's specifications, but not less than once each day that the instrument is in use. Compound-specific calibration methods should be selected on a project-by-project basis to increase the accuracy of the instrument. The best way to calibrate a PID to different compounds is to use a standard of the gas of interest. However, correction factors have been determined that enable the user to quantify a large number of chemicals using only a single calibration gas, typically isobutylene. Field personnel should have access to all operating manuals for the instruments used for the field measurements. This procedure also documents critical maintenance activities for this meter.

CALIBRATION AND MAINTENANCE OF PORTABLE PHOTOIONIZATION DETECTOR

Note: The information included below is equipment manufacturer- and model-specific, however, accuracy, calibration, and maintenance procedures for this type of portable equipment are typically similar. The information below pertains to the MiniRAE 2000 Portable VOC Monitor equipped with a 10.6 eV lamp. The actual equipment to be used in the field will be equivalent or similar. The following information is provided for general reference; the equipment-specific manufacturer's manual should be followed with precedence over this FOP.

Note: The PID indicates total VOC concentration readings that are normalized to a calibration standard, so actual quantification of individual compounds is not provided. In addition, the PID response to compounds is highly variable, dependent on ionization potential of the compound, and the presence or absence of other compounds.

ACCURACY

The MiniRAE 2000 is accurate to ± 2 ppm or 10% of the reading for concentrations ranging from 0-2,000 ppm and ± 20% of the reading at concentrations greater than 2,000 ppm. Response time is less than two seconds to 90 percent of full-scale. The operating temperature range is 0 to 45° C and the operating humidity range is 0 to 95 % relative humidity (non-condensing).

CALIBRATION PROCEDURE

The calibration method and correction factor, if applicable, will be selected on a project-by-project basis and confirmed with the Project Manager prior to the start of field work.

1. Calibrate all field test equipment at the beginning of each sampling day. Check and recalibrate the PID according to the manufacture's specifications.

2. Calibrate the PID using a compressed gas cylinder or equivalent containing the calibration standard, a flow regulator, and a tubing assembly. In addition, a compressed gas cylinder containing zero air ("clean" air) may be required if ambient air conditions do not permit calibration to "clean air".

3. Fill two Tedlar® bags equipped with a one-way valve with zero-air (if applicable) and the calibration standard gas.

4. Assemble the calibration equipment and actuate the PID in its calibration mode.

5. Select the appropriate calibration method. Calibration may be completed with two methods: 1) where the calibration standard gas is the same as the measurement gas (no correction factor is applied) or 2) where the calibration standard gas is not the same as the measurement gas and a correction factor will be applied. An isobutylene standard gas must be used as the calibration standard gas for the use of correction factors with the MiniRAE 2000. See below for additional instructions for calibration specific to use with or without correction factors.

Calibrating Without a Correction Factor

Navigate within the menu to select the "cal memory" for the specific calibration standard gas prior to calibration. The default gas selections for the MiniRAE 2000 are as follows:

Cal Memory #0	Isobutylene
Cal Memory #1	Hexane
Cal Memory #2	Xylene
Cal Memory #3	Benzene
Cal Memory #4	Styrene
Cal Memory #5	Toluene
Cal Memory #6	Vinyl Chloride
Cal Memory #7	Custom

The calibration standard gas for Cal Memory #1-7 may be toggled for selection of any of the approximately 100 preprogrammed calibration standard gases for use without an applied correction factor (i.e., the calibration gas must be the same as the measurement gas).

Calibrating With a Correction Factor

Navigate within the menu to select the "Cal Memory".

Select "Cal Memory #0" and toggle for selection of any of the approximately 100 preprogrammed chemicals. During calibration, the unit requests isobutylene gas and displays the isobutylene concentration immediately following calibration, but when the unit is returned to the normal reading mode, it displays the selected chemical and applies the correction factor.

If the pre-programmed list does not include the desired chemical or a user-defined measurement gas and correction factor is desired, toggle Cal Memory #0 to "user defined custom gas". A list of approximately 300 correction factors is attached in Technical Note 106 generated by MiniRAE.

6. Once the PID settings have been verified, connect the PID probe to the zero air calibration bag (or calibrate to ambient air if conditions permit) and wait for a stable indication.

7. Connect the PID probe to the calibration standard bag. Measure an initial reading of the standard and wait for a stable indication.

8. Keep the PID probe connected to the calibration standard bag, calibrate to applicable concentration (typically 100 ppm with isobutylene) with the standard and wait for a stable indication.

9. Document the calibration results and related information in the Project Field Book and on an **Equipment Calibration Log** (see attached sample), indicating the meter readings before and after the instrument has been adjusted. This is important, not only for data validation, but also to establish

maintenance schedules and component replacement. Information will include, at a minimum:

- Time, date and initials of the field team member performing the calibration
- The unique identifier for the meter, including manufacturer, model, and serial number
- The calibration standard and concentration
- Correction factors used, if any
- The brand and expiration date of the calibration standard gas
- The instrument readings: before and after calibration
- The instrument settings (if applicable)
- Pass or fail designation in accordance with the accuracy specifications presented above
- Corrective action taken (see Maintenance below) in the event of failure to adequately calibrate.

MAINTENANCE

- The probe and dust filter of the PID should be checked before and after every use for cleanliness. Should instrument response become unstable, recalibration should be performed. If this does not resolve the problem, access the photoionization bulb and clean with the manufacturer-supplied abrasive compound, then recalibrate.

- The PID battery must be recharged after each use. Store the PID in its carrying case when not in use. Additional maintenance details related to individual components of the PID are provided in the equipment manufacturer's instruction manual. If calibration or instrument performance is not in accordance with specifications, send the instrument to the equipment manufacturer for repair.

- Maintain a log for each monitoring instrument. Record all maintenance performed on the instrument on this log with date and name of the organization performing the maintenance.

ATTACHMENTS

Table 1; Summary of Ionization Potentials
Equipment Calibration Log (sample)
Technical Note TN-106

TABLE 1

SUMMARY OF IONIZATION POTENTIALS

Chemical Name	Ionization Potential (eV)	Cannot be Read by 10.6 eV PID
A		
2-Amino pyridine	8	
Acetaldehyde	10.21	
Acetamide	9.77	
Acetic acid	10.69	X
Acetic anhydride	10	
Acetone	9.69	
Acetonitrile	12.2	X
Acetophenone	9.27	
Acetyl bromide	10.55	
Acetyl chloride	11.02	X
Acetylene	11.41	X
Acrolein	10.1	
Acrylamide	9.5	
Acrylonitrile	10.91	X
Allyl alcohol	9.67	
Allyl chloride	9.9	
Ammonia	10.2	
Aniline	7.7	
Anisidine	7.44	
Anisole	8.22	
Arsine	9.89	
B		
1,3-Butadiene (butadiene)	9.07	
1-Bromo-2-chloroethane	10.63	X
1-Bromo-2-methylpropane	10.09	
1-Bromo-4-fluorobenzene	8.99	
1-Bromobutane	10.13	
1-Bromopentane	10.1	
1-Bromopropane	10.18	
1-Bromopropene	9.3	
1-Butanethiol	9.14	
1-Butene	9.58	
1-Butyne	10.18	
2,3-Butadione	9.23	
2-Bromo-2-methylpropane	9.89	
2-Bromobutane	9.98	
2-Bromopropane	10.08	

TABLE 1

SUMMARY OF IONIZATION POTENTIALS

Chemical Name	Ionization Potential (eV)	Cannot be Read by 10.6 eV PID
2-Bromothiophene	8.63	
2-Butanone (MEK)	9.54	
3-Bromopropene	9.7	
3-Butene nitrile	10.39	
Benzaldehyde	9.53	
Benzene	9.25	
Benzenethiol	8.33	
Benzonitrile	9.71	
Benzotrifluoride	9.68	
Biphenyl	8.27	
Boron oxide	13.5	X
Boron trifluoride	15.56	X
Bromine	10.54	
Bromobenzene	8.98	
Bromochloromethane	10.77	X
Bromoform	10.48	
Butane	10.63	X
Butyl mercaptan	9.15	
cis-2-Butene	9.13	
m-Bromotoluene	8.81	
n-Butyl acetate	10.01	
n-Butyl alcohol	10.04	
n-Butyl amine	8.71	
n-Butyl benzene	8.69	
n-Butyl formate	10.5	
n-Butyraldehyde	9.86	
n-Butyric acid	10.16	
n-Butyronitrile	11.67	X
o-Bromotoluene	8.79	
p-Bromotoluene	8.67	
p-tert-Butyltoluene	8.28	
s-Butyl amine	8.7	
s-Butyl benzene	8.68	
sec-Butyl acetate	9.91	
t-Butyl amine	8.64	
t-Butyl benzene	8.68	
trans-2-Butene	9.13	
C		

TABLE 1

SUMMARY OF IONIZATION POTENTIALS

Chemical Name	Ionization Potential (eV)	Cannot be Read by 10.6 eV PID
1-Chloro-2-methylpropane	10.66	X
1-Chloro-3-fluorobenzene	9.21	
1-Chlorobutane	10.67	X
1-Chloropropane	10.82	X
2-Chloro-2-methylpropane	10.61	X
2-Chlorobutane	10.65	X
2-Chloropropane	10.78	X
2-Chlorothiophene	8.68	
3-Chloropropene	10.04	
Camphor	8.76	
Carbon dioxide	13.79	X
Carbon disulfide	10.07	
Carbon monoxide	14.01	X
Carbon tetrachloride	11.47	X
Chlorine	11.48	X
Chlorine dioxide	10.36	
Chlorine trifluoride	12.65	X
Chloroacetaldehyde	10.61	X
α -Chloroacetophenone	9.44	
Chlorobenzene	9.07	
Chlorobromomethane	10.77	X
Chlorofluoromethane (Freon 22)	12.45	X
Chloroform	11.37	X
Chlorotrifluoromethane (Freon 13)	12.91	X
Chrysene	7.59	
Cresol	8.14	
Crotonaldehyde	9.73	
Cumene (isopropyl benzene)	8.75	
Cyanogen	13.8	X
Cyclohexane	9.8	
Cyclohexanol	9.75	
Cyclohexanone	9.14	
Cyclohexene	8.95	
Cyclo-octatetraene	7.99	
Cyclopentadiene	8.56	
Cyclopentane	10.53	
Cyclopentanone	9.26	
Cyclopentene	9.01	

TABLE 1

SUMMARY OF IONIZATION POTENTIALS

Chemical Name	Ionization Potential (eV)	Cannot be Read by 10.6 eV PID
Cyclopropane	10.06	
m-Chlorotoluene	8.83	
o-Chlorotoluene	8.83	
p-Chlorotoluene	8.7	
D		
1,1-Dibromoethane	10.19	
1,1-Dichloroethane	11.12	X
1,1-Dimethoxyethane	9.65	
1,1-Dimethylhydrazine	7.28	
1,2-Dibromoethene	9.45	
1,2-Dichloro-1,1,2,2-tetrafluoroethane (Freon 114)	12.2	X
1,2-Dichloroethane	11.12	X
1,2-Dichloropropane	10.87	X
1,3-Dibromopropane	10.07	
1,3-Dichloropropane	10.85	X
2,2-Dimethyl butane	10.06	
2,2-Dimethyl propane	10.35	
2,3-Dichloropropene	9.82	
2,3-Dimethyl butane	10.02	
3,3-Dimethyl butanone	9.17	
cis-Dichloroethene	9.65	
Decaborane	9.88	
Diazomethane	9	
Diborane	12	X
Dibromochloromethane	10.59	
Dibromodifluoromethane	11.07	X
Dibromomethane	10.49	
Dibutylamine	7.69	
Dichlorodifluoromethane (Freon 12)	12.31	X
Dichlorofluoromethane	12.39	X
Dichloromethane	11.35	X
Diethoxymethane	9.7	
Diethyl amine	8.01	
Diethyl ether	9.53	
Diethyl ketone	9.32	
Diethyl sulfide	8.43	
Diethyl sulfite	9.68	
Difluorodibromomethane	11.07	X

TABLE 1

SUMMARY OF IONIZATION POTENTIALS

Chemical Name	Ionization Potential (eV)	Cannot be Read by 10.6 eV PID
Dihydropyran	8.34	
Diiodomethane	9.34	
Diisopropylamine	7.73	
Dimethoxymethane (methylal)	10	
Dimethyl amine	8.24	
Dimethyl ether	10	
Dimethyl sulfide	8.69	
Dimethylaniline	7.13	
Dimethylformamide	9.18	
Dimethylphthalate	9.64	
Dinitrobenzene	10.71	X
Dioxane	9.19	
Diphenyl	7.95	
Dipropyl amine	7.84	
Dipropyl sulfide	8.3	
Durene	8.03	
m-Dichlorobenzene	9.12	
N,N-Diethyl acetamide	8.6	
N,N-Diethyl formamide	8.89	
N,N-Dimethyl acetamide	8.81	
N,N-Dimethyl formamide	9.12	
o-Dichlorobenzene	9.06	
p-Dichlorobenzene	8.95	
p-Dioxane	9.13	
trans-Dichloroethene	9.66	
E		
Epichlorohydrin	10.2	
Ethane	11.65	X
Ethanethiol (ethyl mercaptan)	9.29	
Ethanolamine	8.96	
Ethene	10.52	
Ethyl acetate	10.11	
Ethyl alcohol	10.48	
Ethyl amine	8.86	
Ethyl benzene	8.76	
Ethyl bromide	10.29	
Ethyl chloride (chloroethane)	10.98	X
Ethyl disulfide	8.27	

TABLE 1

SUMMARY OF IONIZATION POTENTIALS

Chemical Name	Ionization Potential (eV)	Cannot be Read by 10.6 eV PID
Ethyl ether	9.51	
Ethyl formate	10.61	X
Ethyl iodide	9.33	
Ethyl isothiocyanate	9.14	
Ethyl mercaptan	9.29	
Ethyl methyl sulfide	8.55	
Ethyl nitrate	11.22	X
Ethyl propionate	10	
Ethyl thiocyanate	9.89	
Ethylene chlorohydrin	10.52	
Ethylene diamine	8.6	
Ethylene dibromide	10.37	
Ethylene dichloride	11.05	X
Ethylene oxide	10.57	
Ethylenelmine	9.2	
Ethynylbenzene	8.82	
F		
2-Furaldehyde	9.21	
Fluorine	15.7	X
Fluorobenzene	9.2	
Formaldehyde	10.87	X
Formamide	10.25	
Formic acid	11.05	X
Freon 11 (trichlorofluoromethane)	11.77	X
Freon 112 (1,1,2,2-tetrachloro-1,2-difluoroethane)	11.3	X
Freon 113 (1,1,2-trichloro-1,2,2-trifluororethane)	11.78	X
Freon 114 (1,2-dichloro-1,1,2,2-tetrafluoroethane)	12.2	X
Freon 12 (dichlorodifluoromethane)	12.31	X
Freon 13 (chlorotrifluoromethane)	12.91	X
Freon 22 (chlorofluoromethane)	12.45	X
Furan	8.89	
Furfural	9.21	
m-Fluorotoluene	8.92	
o-Fluorophenol	8.66	
o-Fluorotoluene	8.92	
p-Fluorotoluene	8.79	
H		
1-Hexene	9.46	

TABLE 1

SUMMARY OF IONIZATION POTENTIALS

Chemical Name	Ionization Potential (eV)	Cannot be Read by 10.6 eV PID
2-Heptanone	9.33	
2-Hexanone	9.35	
Heptane	10.08	
Hexachloroethane	11.1	X
Hexane	10.18	
Hydrazine	8.1	
Hydrogen	15.43	X
Hydrogen bromide	11.62	X
Hydrogen chloride	12.74	X
Hydrogen cyanide	13.91	X
Hydrogen fluoride	15.77	X
Hydrogen iodide	10.38	
Hydrogen selenide	9.88	
Hydrogen sulfide	10.46	
Hydrogen telluride	9.14	
Hydroquinone	7.95	
I		
1-Iodo-2-methylpropane	9.18	
1-Iodobutane	9.21	
1-Iodopentane	9.19	
1-Iodopropane	9.26	
2-Iodobutane	9.09	
2-Iodopropane	9.17	
Iodine	9.28	
Iodobenzene	8.73	
Isobutane	10.57	
Isobutyl acetate	9.97	
Isobutyl alcohol	10.12	
Isobutyl amine	8.7	
Isobutyl formate	10.46	
Isobutyraldehyde	9.74	
Isobutyric acid	10.02	
Isopentane	10.32	
Isophorone	9.07	
Isoprene	8.85	
Isopropyl acetate	9.99	
Isopropyl alcohol	10.16	
Isopropyl amine	8.72	

TABLE 1

SUMMARY OF IONIZATION POTENTIALS

Chemical Name	Ionization Potential (eV)	Cannot be Read by 10.6 eV PID
Isopropyl benzene	8.69	
Isopropyl ether	9.2	
Isovaleraldehyde	9.71	
m-Iodotoluene	8.61	
o-Iodotoluene	8.62	
p-Iodotoluene	8.5	
K		
Ketene	9.61	
L		
2,3-Lutidine	8.85	
2,4-Lutidine	8.85	
2,6-Lutidine	8.85	
M		
2-Methyl furan	8.39	
2-Methyl napthalene	7.96	
1-Methyl napthalene	7.96	
2-Methyl propene	9.23	
2-Methyl-1-butene	9.12	
2-Methylpentane	10.12	
3-Methyl-1-butene	9.51	
3-Methyl-2-butene	8.67	
3-Methylpentane	10.08	
4-Methylcyclohexene	8.91	
Maleic anhydride	10.8	X
Mesityl oxide	9.08	
Mesitylene	8.4	
Methane	12.98	X
Methanethiol (methyl mercaptan)	9.44	
Methyl acetate	10.27	
Methyl acetylene	10.37	
Methyl acrylate	9.9	
Methyl alcohol	10.85	X
Methyl amine	8.97	
Methyl bromide	10.54	
Methyl butyl ketone	9.34	
Methyl butyrate	10.07	
Methyl cellosolve	9.6	
Methyl chloride	11.28	X

TABLE 1

SUMMARY OF IONIZATION POTENTIALS

Chemical Name	Ionization Potential (eV)	Cannot be Read by 10.6 eV PID
Methyl chloroform (1,1,1-trichloroethane)	11	X
Methyl disulfide	8.46	
Methyl ethyl ketone	9.53	
Methyl formate	10.82	X
Methyl iodide	9.54	
Methyl isobutyl ketone	9.3	
Methyl isobutyrate	9.98	
Methyl isocyanate	10.67	X
Methyl isopropyl ketone	9.32	
Methyl isothiocyanate	9.25	
Methyl mercaptan	9.44	
Methyl methacrylate	9.7	
Methyl propionate	10.15	
Methyl propyl ketone	9.39	
α -Methyl styrene	8.35	
Methyl thiocyanate	10.07	
Methylal (dimethoxymethane)	10	
Methylcyclohexane	9.85	
Methylene chloride	11.32	X
Methyl-n-amyl ketone	9.3	
Monomethyl aniline	7.32	
Monomethyl hydrazine	7.67	
Morpholine	8.2	
n-Methyl acetamide	8.9	
N		
1-Nitropropane	10.88	X
2-Nitropropane	10.71	X
Naphthalene	8.12	
Nickel carbonyl	8.27	
Nitric oxide, (NO)	9.25	
Nitrobenzene	9.92	
Nitroethane	10.88	X
Nitrogen	15.58	X
Nitrogen dioxide	9.78	
Nitrogen trifluoride	12.97	X
Nitromethane	11.08	X
Nitrotoluene	9.45	
p-Nitrochloro benzene	9.96	

TABLE 1

SUMMARY OF IONIZATION POTENTIALS

Chemical Name	Ionization Potential (eV)	Cannot be Read by 10.6 eV PID
O		
Octane	9.82	
Oxygen	12.08	X
Ozone	12.08	X
P		
1-Pentene	9.5	
1-Propanethiol	9.2	
2,4-Pentanedione	8.87	
2-Pentanone	9.38	
2-Picoline	9.02	
3-Picoline	9.02	
4-Picoline	9.04	
n-Propyl nitrate	11.07	X
Pentaborane	10.4	
Pentane	10.35	
Perchloroethylene	9.32	
Pheneloic	8.18	
Phenol	8.5	
Phenyl ether (diphenyl oxide)	8.82	
Phenyl hydrazine	7.64	
Phenyl isocyanate	8.77	
Phenyl isothiocyanate	8.52	
Phenylene diamine	6.89	
Phosgene	11.77	X
Phosphine	9.87	
Phosphorus trichloride	9.91	
Phthalic anhydride	10	
Propane	11.07	X
Propargyl alcohol	10.51	
Propiolactone	9.7	
Propionaldehyde	9.98	
Propionic acid	10.24	
Propionitrile	11.84	X
Propyl acetate	10.04	
Propyl alcohol	10.2	
Propyl amine	8.78	
Propyl benzene	8.72	
Propyl ether	9.27	

TABLE 1

SUMMARY OF IONIZATION POTENTIALS

Chemical Name	Ionization Potential (eV)	Cannot be Read by 10.6 eV PID
Propyl formate	10.54	
Propylene	9.73	
Propylene dichloride	10.87	X
Propylene imine	9	
Propylene oxide	10.22	
Propyne	10.36	
Pyridine	9.32	
Pyrrole	8.2	
Q		
Quinone	10.04	
S		
Stibine	9.51	
Styrene	8.47	
Sulfur dioxide	12.3	X
Sulfur hexafluoride	15.33	X
Sulfur monochloride	9.66	
Sulfuryl fluoride	13	X
T		
o-Terphenyls	7.78	
1,1,2,2-Tetrachloro-1,2-difluoroethane (Freon 112)	11.3	X
1,1,1-Trichloroethane	11	X
1,1,2-Trichloro-1,2,2-trifluoroethane (Freon 113)	11.78	X
2,2,4-Trimethyl pentane	9.86	
o-Toluidine	7.44	
Tetrachloroethane	11.62	X
Tetrachloroethene	9.32	
Tetrachloromethane	11.47	X
Tetrahydrofuran	9.54	
Tetrahydropyran	9.25	
Thiolacetic acid	10	
Thiophene	8.86	
Toluene	8.82	
Tribromoethene	9.27	
Tribromofluoromethane	10.67	X
Tribromomethane	10.51	
Trichloroethene	9.45	
Trichloroethylene	9.47	
Trichlorofluoromethane (Freon 11)	11.77	X

TABLE 1

SUMMARY OF IONIZATION POTENTIALS

Chemical Name	Ionization Potential (eV)	Cannot be Read by 10.6 eV PID
Trichloromethane	11.42	X
Triethylamine	7.5	
Trifluoromonobromo-methane	11.4	X
Trimethyl amine	7.82	
Tripropyl amine	7.23	
V		
o-Vinyl toluene	8.2	
Valeraldehyde	9.82	
Valeric acid	10.12	
Vinyl acetate	9.19	
Vinyl bromide	9.8	
Vinyl chloride	10	
Vinyl methyl ether	8.93	
W		
Water	12.59	X
X		
2,4-Xylidine	7.65	
m-Xylene	8.56	
o-Xylene	8.56	
p-Xylene	8.45	

FOP 011.0

CALIBRATION AND MAINTENANCE OF PORTABLE PHOTOIONIZATION DETECTOR

EQUIPMENT CALIBRATION LOG

PROJECT INFORMATION:

Project Name: Date:

Project No.:

Client: Instrument Source: ☐ BM ☐ Rental

METER TYPE	UNITS	TIME	MAKE/MODEL	SERIAL NUMBER	CAL. BY	STANDARD	POST CAL. READING	SETTINGS
☐ pH meter	units		Myron L Company Ultra Meter 6P	606987		4.00 7.00 10.01		
☐ Turbidity meter	NTU		Hach 2100P Turbidimeter	9706000145		< 0.4 00 800		
☐ Sp. Cond. meter	uS mS		Myron L Company Ultra Meter 6P			_____ mS @ 25 °C		
☐ PID	ppm		MinRAE 20			open air zero _____ ppm Iso. Gas		MIBK response factor = 1.0
☐ Dissolved Oxygen	ppm		YSI Model 5					
☐ Particulate meter	mg/m^3					zero air		
☐ Oxygen	%					open air		
☐ Hydrogen sulfide	ppm					open air		
☐ Carbon monoxide	ppm					open air		
☐ LEL	%					open air		
☐ Radiation Meter	uR/H					background area		
☐								

SAMPLE

ADDITIONAL REMARKS:

PREPARED BY: **DATE:**

Correction Factors, Ionization Energies*, And Calibration Characteristics

Correction Factors and Ionization Energies

RAE Systems PIDs can be used for the detection of a wide variety of gases that exhibit different responses. In general, any compound with ionization energy (IE) lower than that of the lamp photons can be measured.* The best way to calibrate a PID to different compounds is to use a standard of the gas of interest. However, correction factors have been determined that enable the user to quantify a large number of chemicals using only a single calibration gas, typically isobutylene. In our PIDs, correction factors can be used in one of three ways:

1) Calibrate the monitor with isobutylene in the usual fashion to read in isobutylene equivalents. Manually multiply the reading by the correction factor (CF) to obtain the concentration of the gas being measured.

2) Calibrate the unit with isobutylene in the usual fashion to read in isobutylene equivalents. Call up the correction factor from the instrument memory or download it from a personal computer and then call it up. The monitor will then read directly in units of the gas of interest.

3) Calibrate the unit with isobutylene, but input an equivalent, "corrected" span gas concentration when prompted for this value. The unit will then read directly in units of the gas of interest.

* *The term "ionization energy" is more scientifically correct and replaces the old term "ionization potential." High-boiling ("heavy") compounds may not vaporize enough to give a response even when their ionization energies are below the lamp photon energy. Some inorganic compounds like H_2O_2 and NO_2 give weak response even when their ionization energies are well below the lamp photon energy.*

Example 1:
With the unit calibrated to read isobutylene equivalents, the reading is 10 ppm with a 10.6 eV lamp. The gas being measured is butyl acetate, which has a correction factor of 2.6. Multiplying 10 by 2.6 gives an adjusted butyl acetate value of 26 ppm. Similarly, if the gas being measured were trichloroethylene (CF = 0.54), the adjusted value with a 10 ppm reading would be 5.4 ppm.

Example 2:
With the unit calibrated to read isobutylene equivalents, the reading is 100 ppm with a 10.6 eV lamp. The gas measured is m-xylene (CF = 0.43). After downloading this factor, the unit should read about 43 ppm when exposed to the same gas, and thus read directly in m-xylene values.

Example 3:
The desired gas to measure is ethylene dichloride (EDC). The CF is 0.6 with an 11.7 eV lamp. During calibration with 100 ppm isobutylene, insert 0.6 times 100, or 60 at the prompt for the calibration gas concentration. The unit then reads directly in EDC values.

Conversion to mg/m^3

To convert from ppm to mg/m^3, use the following formula:

$$\text{Conc. (mg/m}^3\text{)} = \frac{[\text{Conc.(ppmv) x mol. wt. (g/mole)}]}{\text{molar gas volume (L)}}$$

For air at 25 °C (77 °F), the molar gas volume is 24.4 L/mole and the formula reduces to:

$$\text{Conc.(mg/m}^3\text{)} = \text{Conc.(ppmv) x mol. wt. (g/mole) x } 0.041$$

For example, if the instrument is calibrated with a gas standard in ppmv, such as 100 ppm isobutylene, and the user wants the display to read in mg/m^3 of hexane, whose m.w. is 86 and CF is 4.3, the overall correction factor would be 4.3 x 86 x 0.041 equals 15.2.

Correction Factors for Mixtures

The correction factor for a mixture is calculated from the sum of the mole fractions Xi of each component divided by their respective correction factors CFi:

$$CFmix = 1 / (X_1/CF_1 + X_2/CF_2 + X_3/CF_3 + \ldots Xi/CFi)$$

Thus, for example, a vapor phase mixture of 5% benzene and 95% n-hexane would have a CFmix of CFmix = 1 / (0.05/0.53 + 0.95/4.3) = 3.2. A reading of 100 would then correspond to 320 ppm of the total mixture, comprised of 16 ppm benzene and 304 ppm hexane.

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For a spreadsheet to compute the correction factor and TLV of a mixture see the appendix at the end of the CF table.

TLVs and Alarm Limits for Mixtures

The correction factor for mixtures can be used to set alarm limits for mixtures. To do this one first needs to calculate the exposure limit for the mixture. The Threshold Limit Value (TLV) often defines exposure limits. The TLV for the mixture is calculated in a manner similar to the CF calculation:

$$TLV\ mix = 1 / (X_1/TLV_1 + X_2/TLV_2 + X_3/TLV_3 + ... Xi/TLVi)$$

In the above example, the 8-h TLV for benzene is 0.5 ppm and for n-hexane 50 ppm. Therefore the TLV of the mixture is TLVmix = 1 / (0.05/0.5 + 0.95/50) = 8.4 ppm, corresponding to 8.0 ppm hexane and 0.4 ppm benzene. For an instrument calibrated on isobutylene, the reading corrsponding to the TLV is:

$$Alarm\ Reading = TLVmix / CFmix = 8.4 / 3.2 = 2.6\ ppm$$

A common practice is to set the lower alarm limit to half the TLV, and the higher limit to the TLV. Thus, one would set the alarms to 1.3 and 2.6 ppm, respectively.

Calibration Characteristics

a) Flow Configuration. PID response is essentially independent of gas flow rate as long as it is sufficient to satisfy the pump demand. Four main flow configurations are used for calibrating a PID:

1) **Pressurized gas cylinder (Fixed-flow regulator):** The flow rate of the regulator should match the flow demand of the instrument pump or be slightly higher.
2) **Pressurized gas cylinder (Demand-flow regulator):** A demand-flow regulator better matches pump speed differences, but results in a slight vacuum during calibration and thus slightly high readings.
3) **Collapsible gas bag:** The instrument will draw the calibration gas from the bag at its normal flow rate, as long as the bag valve is large enough. The bag should be filled with enough gas to allow at least one minute of flow (~ 0.6 L for a MiniRAE, ~0.3 L for MultiRAE).
4) **T (or open tube) method:** The T method uses a T-junction with gas flow higher than the pump draw. The gas supply is connected to one end of the T, the instrument inlet is connected to a second end of the T, and excess gas flow escapes through the third, open end of the T. To prevent ambient air mixing, a long tube should be connected to the open end, or a high excess rate should be used. Alternatively, the instrument probe can be inserted into an open tube slightly wider than the probe. Excess gas flows out around the probe.

The first two cylinder methods are the most efficient in terms of gas usage, while the bag and T methods give slightly more accurate results because they match the pump flow better.

b) Pressure. Pressures deviating from atmospheric pressure affect the readings by altering gas concentration and pump characteristics. It is best to calibrate with the instrument and calibration gas at the same pressure as each other and the sample gas. (Note that the cylinder pressure is not relevant because the regulator reduces the pressure to ambient.) If the instrument is calibrated at atmospheric pressure in one of the flow configurations described above, then 1) pressures slightly above ambient are acceptable but high pressures can damage the pump and 2) samples under vacuum may give low readings if air leaks into the sample train.

c) Temperature. Because temperature effects gas density and concentration, the temperature of the calibration gas and instrument should be as close as possible to the ambient temperature where the unit will be used. We recommend that the temperature of the calibration gas be within the instrument's temperature specification (typically 14° to 113° F or -10° to 45° C). Also, during actual measurements, the instrument should be kept at the same or higher temperature than the sample temperature to avoid condensation in the unit.

d) Matrix. The matrix gas of the calibration compound and VOC sample is significant. Some common matrix components, such as methane and water vapor can affect the VOC signal. PIDs are

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most commonly used for monitoring VOCs in air, in which case the preferred calibration gas matrix is air. For a MiniRAE, methane, methanol, and water vapor reduce the response by about 20% when their concentration is 15,000 ppm and by about 40% at 30,000 ppm. Despite earlier reports of oxygen effects, RAE PID responses with 10.6 eV lamps are independent of oxygen concentration, and calibration gases in a pure nitrogen matrix can be used. H_2 and CO_2 up to 5 volume % also have no effect.

e) Concentration. Although RAE Systems PIDs have electronically linearized output, it is best to calibrate in a concentration range close to the actual measurement range. For example, 100 ppm standard gas for anticipated vapors of 0 to 250 ppm, and 500 ppm standard for expected concentrations of 250 to 1000 ppm. The correction factors in this table were typically measured at 50 to 100 ppm and apply from the ppb range up to about 1000 ppm. Above 1000 ppm the CF may vary and it is best to calibrate with the gas of interest near the concentration of interest.

f) Filters. Filters affect flow and pressure conditions and therefore all filters to be used during sampling should also be in place during calibration. Using a water trap (hydrophobic filter) greatly reduces the chances of drawing water aerosols or dirt particles into the instrument. Regular filter replacements are recommended because dirty filters can adsorb VOCs and cause slower response time and shifts in calibration.

g) Instrument Design. High-boiling ("heavy") or very reactive compounds can be lost by reaction or adsorption onto materials in the gas sample train, such as filters, pumps and other sensors. Multi-gas meters, including EntryRAE, MultiRAE and AreaRAE have the pump and other sensors upstream of the PID and are prone to these losses. Compounds possibly affected by such losses are shown in green in the table, and may give slow response, or in extreme cases, no response at all. In many cases the multi-gas meters can still give a rough indication of the relative concentration, without giving an accurate, quantitative reading. The ppbRAE and MiniRAE series instruments have inert sample trains and therefore do not exhibit significant loss; nevertheless, response may be slow for the very heavy compounds and additional sampling time up to a minute or more should be allowed to get a stable reading.

Table Abbreviations:

CF = Correction Factor (multiply by reading to get corrected value for the compound when calibrated to isobutylene)
NR= No Response
IE = Ionization Energy (values in parentheses are not well established)
C = Confirmed Value indicated by "+" in this column; all others are preliminary or estimated values and are subject to change
ne = Not Established ACGIH 8-hr. TWA
C## = Ceiling value, given where 8-hr.TWA is not available

Disclaimer:

Actual readings may vary with age and cleanliness of lamp, relative humidity, and other factors. For accurate work, the instrument should be calibrated regularly under the operating conditions used. The factors in this table were measured in dry air at room temperature, typically at 50-100 ppm. CF values may vary above about 1000 ppm.

Updates:

The values in this table are subject to change as more or better data become available. Watch for updates of this table on the Internet at **http://www.raesystems.com**

IE data are taken from the CRC Handbook of Chemistry and Physics, 73rd Edition, D.R. Lide (Ed.), CRC Press (1993) and NIST Standard Ref. Database 19A, NIST Positive Ion Energetics, Vers. 2.0, Lias, et.al., U.S. Dept. Commerce (1993). Exposure limits (8-h TWA and Ceiling Values) are from the 2005 ACGIH Guide to Occupational Exposure Values, ACGIH, Cincinnati, OH 2005. Equations for exposure limits for mixtures of chemicals were taken from the 1997 TLVs and BEIs handbook published by the ACGIH (1997).

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Compound Name	Synonym/Abbreviation	CAS No.	Formula	9.8	C	10.6	C	11.7	C	IE (eV)	TWA
Acetaldehyde		75-07-0	C_2H_4O	NR	+	6	+	3.3	+	10.23	C25
Acetic acid	Ethanoic Acid	64-19-7	$C_2H_4O_2$	NR	+	22	+	2.6	+	10.66	10
Acetic anhydride	Ethanoic Acid Anhydride	108-24-7	$C_4H_6O_3$	NR	+	6.1	+	2.0	+	10.14	5
Acetone	2-Propanone	67-64-1	C_3H_6O	1.2	+	1.1	+	1.4	+	9.71	500
Acetone cyanohydrin	2-Hydroxyisobutyronitrile	75-86-5	C_4H_7NO					4	+	11.1	C5
Acetonitrile	Methyl cyanide, Cyanomethane	75-05-8	C_2H_3N					100		12.19	40
Acetylene	Ethyne	74-86-2	C_2H_2					2.1	+	11.40	ne
Acrolein	Propenal	107-02-8	C_3H_4O	42	+	3.9	+	1.4	+	10.10	0.1
Acrylic acid	Propenoic Acid	79-10-7	$C_3H_4O_2$			12	+	2.0	+	10.60	2
Acrylonitrile	Propenenitrile	107-13-1	C_3H_3N			NR	+	1.2	+	10.91	2
Allyl alcohol		107-18-6	C_3H_6O	4.5	+	2.4	+	1.6	+	9.67	2
Allyl chloride	3-Chloropropene	107-05-1	C_3H_5Cl			4.3		0.7		9.9	1
Ammonia		7664-41-7	H_3N	NR	+	9.7	+	5.7	+	10.16	25
Amyl acetate	mix of n-Pentyl acetate & 2-Methylbutyl acetate	628-63-7	$C_7H_{14}O_2$	11	+	2.3	+	0.95	+	<9.9	100
Amyl alcohol	1-Pentanol	75-85-4	$C_5H_{12}O$			5		1.6		10.00	ne
Aniline	Aminobenzene	62-53-3	C_7H_7N	0.50	+	0.48	+	0.47	+	7.72	2
Anisole	Methoxybenzene	100-66-3	C_7H_8O	0.89	+	0.58	+	0.56	+	8.21	ne
Arsine	Arsenic trihydride	7784-42-1	AsH_3			1.9	+			9.89	0.05
Benzaldehyde		100-52-7	C_7H_6O					1		9.49	ne
Benzenamine, N-methyl-	N-Methylphenylamine	100-61-8	C_7H_9N			0.7				7.53	
Benzene		71-43-2	C_6H_6	0.55	+	0.53	+	0.6	+	9.25	0.5
Benzonitrile	Cyanobenzene	100-47-0	C_7H_5N			1.6				9.62	ne
Benzyl alcohol	α-Hydroxytoluene, Hydroxymethylbenzene, Benzenemethanol	100-51-6	C_7H_8O	1.4	+	1.1	+	0.9	+	8.26	ne
Benzyl chloride	α-Chlorotoluene, Chloromethylbenzene	100-44-7	C_7H_7Cl	0.7	+	0.6	+	0.5	+	9.14	1
Benzyl formate	Formic acid benzyl ester	104-57-4	$C_8H_8O_2$	0.9	+	0.73	+	0.66	+		ne
Boron trifluoride		7637-07-2	BF_3	NR		NR		NR		15.5	C1
Bromine		7726-95-6	Br_2	NR	+	1.30	+	0.74	+	10.51	0.1
Bromobenzene		108-86-1	C_6H_5Br			0.6		0.5		8.98	ne
2-Bromoethyl methyl ether		6482-24-2	C_3H_7OBr			0.84	+			~10	ne
Bromoform	Tribromomethane	75-25-2	$CHBr_3$	NR	+	2.5	+	0.5	+	10.48	0.5
Bromopropane,1-	n-Propyl bromide	106-94-5	C_3H_7Br	150	+	1.5	+	0.6	+	10.18	ne
Butadiene	1,3-Butadiene, Vinyl ethylene	106-99-0	C_4H_6	0.8		0.85	+	1.1		9.07	2
Butadiene diepoxide, 1,3-	1,2,3,4-Diepoxybutane	298-18-0	$C_4H_6O_2$	25	+	3.5	+	1.2		~10	ne
Butanal	1-Butanal	123-72-8	C_4H_8O			1.8				9.84	
Butane		106-97-8	C_4H_{10}			67	+	1.2		10.53	800
Butanol, 1-	Butyl alcohol, n-Butanol	71-36-3	$C_4H_{10}O$	70	+	4.7	+	1.4	+	9.99	20
Butanol, t-	tert-Butanol, t-Butyl alcohol	75-65-0	$C_4H_{10}O$	6.9	+	2.9	+			9.90	100
Butene, 1-	1-Butylene	106-98-9	C_4H_8			0.9				9.58	ne
Butoxyethanol, 2-	Butyl Cellosolve, Ethylene glycol monobutyl ether	111-76-2	$C_6H_{14}O_2$	1.8	+	1.2	+	0.6	+	<10	25
Butoxyethanol acetate	Ethanol, 2-(2-butoxyethoxy)-, acetate	124-17-4	$C_{10}H_{20}O_4$			5.6				≤10.6	
Butoxyethoxyethanol	2-(2-Butoxyethoxy)ethanol	112-34-5	$C_8H_{18}O_3$			4.6				≤10.6	
Butyl acetate, n-		123-86-4	$C_6H_{12}O_2$			2.6	+			10	150
Butyl acrylate, n-	Butyl 2-propenoate, Acrylic acid butyl ester	141-32-2	$C_7H_{12}O_2$			1.6	+	0.6	+		10
Butylamine, n-		109-73-9	$C_4H_{11}N$	1.1	+	1.1	+	0.7	+	8.71	C5
Butyl cellosolve	see 2-Butoxyethanol	111-76-2									
Butyl hydroperoxide, t-		75-91-2	$C_4H_{10}O_2$	2.0	+	1.6	+			<10	1
Butyl mercaptan	1-Butanethiol	109-79-5	$C_4H_{10}S$	0.55	+	0.52	+			9.14	0.5
Carbon disulfide		75-15-0	CS_2	4	+	1.2	+	0.44		10.07	10
Carbon tetrachloride	Tetrachloromethane	56-23-5	CCl_4	NR	+	NR	+	1.7	+	11.47	5
Carbonyl sulfide	Carbon oxysulfide	463-58-1	COS							11.18	

Cellosolve see 2-Ethoxyethanol
CFC-14 see Tetrafluoromethane
CFC-113 see 1,1,2-Trichloro-1,2,2-trifluoroethane

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Compound Name	Synonym/Abbreviation	CAS No.	Formula	9.8	C	10.6	C	11.7	C	IE (eV)	TWA
Chlorine		7782-50-5	Cl_2					1.0	+	11.48	0.5
Chlorine dioxide		10049-04-4	ClO_2	NR	+	NR	+	NR	+	10.57	0.1
Chlorobenzene	Monochlorobenzene	108-90-7	C_6H_5Cl	0.44	+	0.40	+	0.39	+	9.06	10
Chlorobenzotrifluoride, 4-	PCBTF, OXSOL 100 p-Chlorobenzotrifluoride	98-56-6	$C_7H_4ClF_3$	0.74	+	0.63	+	0.55	+	<9.6	25
Chloro-1,3-butadiene, 2-	Chloroprene	126-99-8	C_4H_5Cl			3					10
Chloro-1,1-difluoroethane, 1-	HCFC-142B, R-142B	75-68-3	$C_2H_3ClF_2$	NR		NR		NR		12.0	ne
Chlorodifluoromethane	HCFC-22, R-22	75-45-6	$CHClF_2$	NR		NR		NR		12.2	1000
Chloroethane	Ethyl chloride	75-00-3	C_2H_5Cl	NR	+	NR	+	1.1	+	10.97	100
Chloroethanol	Ethylene chlrohydrin	107-07-3	C_2H_5ClO					2.9		10.52	C1
Chloroethyl ether, 2-	bis(2-chloroethyl) ether	111-44-4	$C_4H_8Cl_2O$	8.6	+	3.0	+				5
Chloroethyl methyl ether, 2-	Methyl 2-chloroethyl ether	627-42-9	C_3H_7ClO			3					ne
Chloroform	Trichloromethane	67-66-3	$CHCl_3$	NR	+	NR	+	3.5	+	11.37	10
Chloro-2-methylpropene, 3-	Methallyl chloride, Isobutenyl chloride	563-47-3	C_4H_7Cl	1.4	+	1.2	+	0.63	+	9.76	ne
Chloropicrin		76-06-2	CCl_3NO_2	NR	+	~400	+	7	+	?	0.1
Chlorotoluene, o-	o-Chloromethylbenzene	95-49-8	C_7H_7Cl			0.5		0.6		8.83	50
Chlorotoluene, p-	p-Chloromethylbenzene	106-43-4	C_7H_7Cl					0.6		8.69	ne
Chlorotrifluoroethene	CTFE, Chlorotrifluoroethylene Genetron 1113	79-38-9	C_2ClF_3	6.7	+	3.9	+	1.2	+	9.76	5
Chlorotrimethylsilane		75-77-4	C_3H_9ClSi	NR		NR		0.82	+	10.83	ne
Cresol, m-	m-Hydroxytoluene	108-39-4	C_7H_8O	0.57	+	0.50	+	0.57	+	8.29	5
Cresol, o-	o-Hydroxytoluene	95-48-7	C_7H_8O			1.0				8.50	
Cresol, p-	p-Hydroxytoluene	106-44-5	C_7H_8O			1.4				8.35	
Crotonaldehyde	*trans*-2-Butenal	123-73-9 4170-30-3	C_4H_6O	1.5	+	1.1	+	1.0	+	9.73	2
Cumene	Isopropylbenzene	98-82-8	C_9H_{12}	0.58	+	0.54	+	0.4	+	8.73	50
Cyanogen bromide		506-68-3	CNBr	NR		NR		NR		11.84	ne
Cyanogen chloride		506-77-4	CNCl	NR		NR		NR		12.34	C0.3
Cyclohexane		110-82-7	C_6H_{12}	3.3	+	1.4	+	0.64	+	9.86	300
Cyclohexanol	Cyclohexyl alcohol	108-93-0	$C_6H_{12}O$	1.5	+	0.9	+	1.1	+	9.75	50
Cyclohexanone		108-94-1	$C_6H_{10}O$	1.0	+	0.9	+	0.7	+	9.14	25
Cyclohexene		110-83-8	C_6H_{10}			0.8	+			8.95	300
Cyclohexylamine		108-91-8	$C_6H_{13}N$			1.2				8.62	10
Cyclopentane 85% 2,2-dimethylbutane 15%		287-92-3	C_5H_{10}	NR	+	15	+	1.1		10.33	600
Cyclopropylamine	Aminocyclpropane	765-30-0	C_3H_7N	1.1	+	0.9	+	0.9	+		ne
Decamethylcyclopentasiloxane		541-02-6	$C_{10}H_{30}O_5Si_5$	0.16	+	0.13	+	0.12	+		ne
Decamethyltetrasiloxane		141-62-8	$C_{10}H_{30}O_3Si_4$	0.17	+	0.13	+	0.12	+	<10.2	ne
Decane		124-18-5	$C_{10}H_{22}$	4.0	+	1.4	+	0.35	+	9.65	ne
Diacetone alcohol	4-Methyl-4-hydroxy-2-pentanone	123-42-2	$C_6H_{12}O_2$			0.7					50
Dibromochloromethane	Chlorodibromomethane	124-48-1	$CHBr_2Cl$	NR	+	5.3	+	0.7	+	10.59	ne
Dibromo-3-chloropropane, 1,2-	DBCP	96-12-8	$C_3H_5Br_2Cl$	NR	+	1.7	+	0.43	+		0.001
Dibromoethane, 1,2-	EDB, Ethylene dibromide, Ethylene bromide	106-93-4	$C_2H_4Br_2$	NR	+	1.7	+	0.6	+	10.37	ne
Dichlorobenzene, o-	1,2-Dichlorobenzene	95-50-1	$C_6H_4Cl_2$	0.54	+	0.47	+	0.38	+	9.08	25
Dichlorodifluoromethane	CFC-12	75-71-8	CCl_2F_2			NR	+	NR	+	11.75	1000
Dichlorodimethylsilane		75-78-5	$C_2H_6Cl_2Si$	NR		NR		1.1	+	>10.7	ne
Dichloroethane, 1,2-	EDC, 1,2-DCA, Ethylene dichloride	107-06-2	$C_2H_4Cl_2$			NR	+	0.6	+	11.04	10
Dichloroethene, 1,1-	1,1-DCE, Vinylidene chloride	75-35-4	$C_2H_2Cl_2$			0.82	+	0.8	+	9.79	5
Dichloroethene, c-1,2-	*c*-1,2-DCE, *cis*-Dichloroethylene	156-59-2	$C_2H_2Cl_2$			0.8				9.66	200
Dichloroethene, t-1,2-	*t*-1,2-DCE, *trans*-Dichloroethylene	156-60-5	$C_2H_2Cl_2$			0.45	+	0.34	+	9.65	200
Dichloro-1-fluoroethane, 1,1-	R-141B	1717-00-6	$C_2H_3Cl_2F$	NR	+	NR	+	2.0	+		ne
Dichloromethane	see Methylene chloride										

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Compound Name	Synonym/Abbreviation	CAS No.	Formula	9.8	C	10.6	C	11.7	C	IE (eV)	TWA
Dichloropentafluoropropane	AK-225, mix of ~45% 3,3-dichloro-1,1,1,2,2-pentafluoro-propane (HCFC-225ca) & ~55% 1,3-Dichloro-1,1,2,2,3-pentafluoropropane (HCFC-225cb)	442-56-0 507-55-1	$C_3HCl_2F_5$	NR	+	NR	+	25	+		ne
Dichloropropane, 1,2-		78-87-5	$C_3H_6Cl_2$					0.7		10.87	75
Dichloro-1-propene, 1,3-		542-75-6	$C_3H_4C_{12}$	1.3	+	0.96	+			<10	1
Dichloro-1-propene, 2,3-		78-88-6	$C_3H_4Cl_2$	1.9	+	1.3	+	0.7	+	<10	ne
Dichloro-1,1,1-trifluoroethane, 2,2-	R-123	306-83-2	$C_2HCl_2F_3$	NR	+	NR	+	10.1	+	11.5	ne
Dichloro-2,4,6-trifluoropyridine, 3,5-	DCTFP	1737-93-5	$C_5Cl_2F_3N$	1.1	+	0.9	+	0.8	+		ne
Dichlorvos *	Vapona; O,O-dimethyl O-dichlorovinyl phosphate	62-73-7	$C_4H_7Cl_2O_4P$			0.9	+			<9.4	0.1
Dicyclopentadiene	DCPD, Cyclopentadiene dimer	77-73-6	$C_{10}H_{12}$	0.57	+	0.48	+	0.43	+	8.8	5
Diesel Fuel		68334-30-5	m.w. 226			0.9	+				11
Diesel Fuel #2 (Automotive)		68334-30-5	m.w. 216	1.3		0.7	+	0.4	+		11
Diethylamine		109-89-7	$C_4H_{11}N$			1	+			8.01	5
Diethylaminopropylamine, 3-		104-78-9	$C_7H_{18}N_2$			1.3					ne
Diethylbenzene	See Dowtherm J										
Diethylmaleate		141-05-9	$C_8H_{12}O_4$			4					ne
Diethyl sulfide	see Ethyl sulfide										
Diglyme	See Methoxyethyl ether	111-96-6	$C_6H_{14}O_3$								
Diisobutyl ketone	DIBK, 2,2-dimethyl-4-heptanone	108-83-8	$C_9H_{18}O$	0.71	+	0.61	+	0.35	+	9.04	25
Diisopropylamine		108-18-9	$C_6H_{15}N$	0.84	+	0.74	+	0.5	+	7.73	5
Diketene	Ketene dimer	674-82-8	$C_4H_4O_2$	2.6	+	2.0	+	1.4	+	9.6	0.5
Dimethylacetamide, N,N-	DMA	127-19-5	C_4H_9NO	0.87	+	0.8	+	0.8	+	8.81	10
Dimethylamine		124-40-3	C_2H_7N			1.5				8.23	5
Dimethyl carbonate	Carbonic acid dimethyl ester	616-38-6	$C_3H_6O_3$	NR	+	~70	+	1.7	+	~10.5	ne
Dimethyl disulfide	DMDS	624-92-0	$C_2H_6S_2$	0.2	+	0.20	+	0.21	+	7.4	ne
Dimethyl ether	see Methyl ether										
Dimethylethylamine	DMEA	598-56-1	$C_4H_{11}N$	1.1	+	1.0	+	0.9	+	7.74	~3
Dimethylformamide, N,N-	DMF	68-12-2	C_3H_7NO	0.7	+	0.7	+	0.8	+	9.13	10
Dimethylhydrazine, 1,1-	UDMH	57-14-7	$C_2H_8N_2$			0.8	+	0.8	+	7.28	0.01
Dimethyl methylphosphonate	DMMP, methyl phosphonic acid dimethyl ester	756-79-6	$C_3H_9O_3P$	NR	+	4.3	+	0.74	+	10.0	ne
Dimethyl sulfate		77-78-1	$C_2H_6O_4S$	~23		~20	+	2.3	+		0.1
Dimethyl sulfide	see Methyl sulfide										
Dimethyl sulfoxide	DMSO, Methyl sulfoxide	67-68-5	C_2H_6OS			1.4	+			9.10	ne
Dioxane, 1,4-		123-91-1	$C_4H_8O_2$			1.3				9.19	25
Dioxolane, 1,3-	Ethylene glycol formal	646-06-0	$C_3H_6O_2$	4.0	+	2.3	+	1.6	+	9.9	20
Dowtherm A see Therminol® *											
Dowtherm J (97% Diethylbenzene) *		25340-17-4	$C_{10}H_{14}$			0.5					
DS-108F Wipe Solvent	Ethyl lactate/Isopar H/ Propoxypropanol ~7:2:1	97-64-3 64742-48-9 1569-01-3	m.w. 118	3.3	+	1.6	+	0.7	+		ne
Epichlorohydrin	ECH Chloromethyloxirane, 1-chloro2,3-epoxypropane	106-89-8	C_2H_5ClO	~200	+	8.5	+	1.4	+	10.2	0.5
Ethane		74-84-0	C_2H_6			NR	+	15	+	11.52	ne
Ethanol	Ethyl alcohol	64-17-5	C_2H_6O			10	+	3.1	+	10.47	1000
Ethanolamine *	MEA, Monoethanolamine	141-43-5	C_2H_7NO	5.6	+	1.6	+			8.96	3
Ethene	Ethylene	74-85-1	C_2H_4			9	+	4.5	+	10.51	ne
Ethoxyethanol, 2-	Ethyl cellosolve	110-80-5	$C_4H_{10}O_2$			1.3				9.6	5
Ethyl acetate		141-78-6	$C_4H_8O_2$			4.6	+	3.5		10.01	400
Ethyl acetoacetate		141-97-9	$C_6H_{10}O_3$	1.4	+	1.2	+	1.0	+	<10	ne
Ethyl acrylate		140-88-5	$C_5H_8O_2$			2.4	+	1.0	+	<10.3	5
Ethylamine		75-04-7	C_2H_7N			0.8				8.86	5

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Ethylbenzene		100-41-4	C_8H_{10}	0.52	+	0.52	+	0.51	+	8.77	100
Ethyl caprylate	Ethyl octanoate	106-32-1	$C_{10}H_{20}O_2$		+	0.52	+	0.51	+		
Ethylenediamine	1,2-Ethanediamine; 1,2-Diaminoethane	107-15-3	$C_2H_8N_2$	0.9	+	0.8	+	1.0	+	8.6	10
Ethylene glycol *	1,2-Ethanediol	107-21-1	$C_2H_6O_2$			16	+	6	+	10.16	C100
Ethylene glycol, Acrylate	2-hydroxyethyl Acrylate	818-61-1	$C_5H_8O_3$			8.2				≤10.6	
Ethylene glycol dimethyl ether	1,2-Dimethoxyethane, Monoglyme	110-71-4	$C_4H_{10}O_2$	1.1		0.86		0.7		9.2	ne
Ethylene glycol monobutyl ether acetate	2-Butoxyethyl acetate	112-07-2	$C_8H_{16}O_3$			1.3				≤10.6	
Ethylene glycol, monothio	mercapto-2-ethanol	60-24-2	C_2H_6OS			1.5				9.65	
Ethylene oxide	Oxirane, Epoxyethane	75-21-8	C_2H_4O			13	+	3.5	+	10.57	1
Ethyl ether	Diethyl ether	60-29-7	$C_4H_{10}O$			1.1	+	1.7		9.51	400
Ethyl 3-ethoxypropionate	EEP	763-69-9	$C_7H_{14}O_3$	1.2	+	0.75	+				ne
Ethyl formate		109-94-4	$C_3H_6O_2$					1.9		10.61	100
Ethylhexyl acrylate, 2-	Acrylic acid 2-ethylhexyl ester	103-11-7	$C_{11}H_{20}O_2$			1.1	+	0.5	+		ne
Ethylhexanol	2-Ethyl-1-hexanol	104-76-7	C8H18O			1.9				≤10.6	
Ethylidenenorbornene	5-Ethylidene bicyclo(2,2,1)hept-2-ene	16219-75-3	C_9H_{12}	0.4	+	0.39	+	0.34	+	≤8.8	ne
Ethyl (S)-(-)-lactate see also DS-108F	Ethyl lactate, Ethyl (S)-(-)-hydroxypropionate	687-47-8 97-64-3	$C_5H_{10}O_3$	13	+	3.2	+	1.6	+	~10	ne
Ethyl mercaptan	Ethanethiol	75-08-1	C_2H_6S	0.60	+	0.56	+			9.29	0.5
Ethyl sulfide	Diethyl sulfide	352-93-2	$C_4H_{10}S$			0.5	+			8.43	ne
Formaldehyde	Formalin	50-00-0	CH_2O	NR	+	NR	+	1.6	+	10.87	C0.3
Formamide		75-12-7	CH_3NO			6.9	+	4		10.16	10
Formic acid		64-18-6	CH_2O_2	NR	+	NR	+	9	+	11.33	5
Furfural	2-Furaldehyde	98-01-1	$C_5H_4O_2$			0.92	+	0.8	+	9.21	2
Furfuryl alcohol		98-00-0	$C_5H_6O_2$			0.80	+			<9.5	10
Gasoline #1		8006-61-9	m.w. 72			0.9	+				300
Gasoline #2, 92 octane		8006-61-9	m.w. 93	1.3	+	1.0	+	0.5	+		300
Glutaraldehyde	1,5-Pentanedial, Glutaric dialdehyde	111-30-8	$C_5H_8O_2$	1.1	+	0.8	+	0.6	+		C0.05
Glycidyl methacrylate	2,3-Epoxypropyl methacrylate	106-91-2	$C_7H_{10}O_3$	2.6	+	1.2	+	0.9	+		0.5
Halothane	2-Bromo-2-chloro-1,1,1-trifluoroethane	151-67-7	$C_2HBrClF_3$					0.6		11.0	50
HCFC-22 see Chlorodifluoromethane											
HCFC-123 see 2,2-Dichloro-1,1,1-trifluoroethane											
HCFC-141B see 1,1-Dichloro-1-fluoroethane											
HCFC-142B see 1-Chloro-1,1-difluoroethane											
HCFC-134A see 1,1,1,2-Tetrafluoroethane											
HCFC-225 see Dichloropentafluoropropane											
Heptane, n-		142-82-5	C_7H_{16}	45	+	2.8	+	0.60	+	9.92	400
Heptanol, 4-	Dipropylcarbinol	589-55-9	$C_7H_{16}O$	1.8	+	1.3	+	0.5	+	9.61	ne
Hexamethyldisilazane, 1,1,1,3,3,3- *	HMDS	999-97-3	$C_6H_{19}NSi_2$			0.2	+	0.2	+	~8.6	ne
Hexamethyldisiloxane	HMDSx	107-46-0	$C_6H_{18}OSi_2$	0.33	+	0.27	+	0.25	+	9.64	ne
Hexane, n-		110-54-3	C_6H_{14}	350	+	4.3	+	0.54	+	10.13	50
Hexanol, 1-	Hexyl alcohol	111-27-3	$C_6H_{14}O$	9	+	2.5	+	0.55	+	9.89	ne
Hexene, 1-		592-41-6	C_6H_{12}			0.8				9.44	30
HFE-7100 see Methyl nonafluorobutyl ether											
Histoclear (Histo-Clear)	Limonene/corn oil reagent		m.w. ~136	0.5	+	0.4	+	0.3	+		ne
Hydrazine *		302-01-2	H_4N_2	>8	+	2.6	+	2.1	+	8.1	0.01
Hydrazoic acid	Hydrogen azide		HN_3							10.7	
Hydrogen	Synthesis gas	1333-74-0	H_2	NR	+	NR	+	NR	+	15.43	ne
Hydrogen cyanide	Hydrocyanic acid	74-90-8	HCN	NR	+	NR	+	NR	+	13.6	C4.7
Hydrogen iodide *	Hydriodic acid	10034-85-2	HI			~0.6*				10.39	
Hydrogen peroxide		7722-84-1	H_2O_2	NR	+	NR	+	NR	+	10.54	1
Hydrogen sulfide		7783-06-4	H_2S	NR	+	3.3	+	1.5	+	10.45	10
Hydroxypropyl methacrylate		27813-02-1 923-26-2	$C_7H_{12}O_3$	9.9	+	2.3	+	1.1	+		ne
Iodine *		7553-56-2	I_2	0.1	+	0.1	+	0.1	+	9.40	C0.1

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Iodomethane	Methyl iodide	74-88-4	CH_3I	0.21	+	0.22	+	0.26	+	9.54	2
Isoamyl acetate	Isopentyl acetate	123-92-2	$C_7H_{14}O_2$	10.1		2.1		1.0		<10	100
Isobutane	2-Methylpropane	75-28-5	C_4H_{10}			100	+	1.2	+	10.57	ne
Isobutanol	2-Methyl-1-propanol	78-83-1	$C_4H_{10}O$	19	+	3.8	+	1.5		10.02	50
Isobutene	Isobutylene, Methyl butene	115-11-7	C_4H_8	1.00	+	1.00	+	1.00	+	9.24	Ne
Isobutyl acrylate	Isobutyl 2-propenoate	106-63-8	$C_7H_{12}O_2$			1.5	+	0.60	+		Ne
Isoflurane	1-Chloro-2,2,2-trifluoroethyl difluoromethyl ether, forane	26675-46-7	$C_3H_2ClF_5O$	NR	+	NR	+	48	+	~11.7	Ne
Isooctane	2,2,4-Trimethylpentane	540-84-1	C8H18			1.2				9.86	ne
Isopar E Solvent	Isoparaffinic hydrocarbons	64741-66-8	m.w. 121	1.7	+	0.8	+				Ne
Isopar G Solvent	Photocopier diluent	64742-48-9	m.w. 148			0.8	+				Ne
Isopar K Solvent	Isoparaffinic hydrocarbons	64742-48-9	m.w. 156	0.9	+	0.5	+	0.27	+		Ne
Isopar L Solvent	Isoparaffinic hydrocarbons	64742-48-9	m.w. 163	0.9	+	0.5	+	0.28	+		Ne
Isopar M Solvent	Isoparaffinic hydrocarbons	64742-47-8	m.w. 191			0.7	+	0.4	+		Ne
Isopentane	2-Methylbutane	78-78-4	C_5H_{12}			8.2					Ne
Isophorone		78-59-1	$C_9H_{14}O$					3		9.07	C5
Isoprene	2-Methyl-1,3-butadiene	78-79-5	C_5H_8	0.69	+	0.63	+	0.60	+	8.85	Ne
Isopropanol	Isopropyl alcohol, 2-propanol, IPA	67-63-0	C_3H_8O	500	+	6.0	+	2.7		10.12	200
Isopropyl acetate		108-21-4	$C_5H_{10}O_2$			2.6				9.99	100
Isopropyl ether	Diisopropyl ether	108-20-3	$C_6H_{14}O$			0.8				9.20	250
Jet fuel JP-4	Jet B, Turbo B, F-40 Wide cut type aviation fuel	8008-20-6 + 64741-42-0	m.w. 115			1.0	+	0.4	+		Ne
Jet fuel JP-5	Jet 5, F-44, Kerosene type aviation fuel	8008-20-6 + 64747-77-1	m.w. 167			0.6	+	0.5	+		29
Jet fuel JP-8	Jet A-1, F-34, Kerosene type aviation fuel	8008-20-6 + 64741-77-1	m.w. 165			0.6	+	0.3	+		30
Jet fuel A-1 (JP-8)	F-34, Kerosene type aviation fuel	8008-20-6 + 64741-77-1	m.w. 145			0.67					34
Jet Fuel TS	Thermally Stable Jet Fuel, Hydrotreated kerosene fuel	8008-20-6 + 64742-47-8	m.w. 165	0.9	+	0.6	+	0.3	+		30
Limonene, D-	(R)-(+)-Limonene	5989-27-5	$C_{10}H_{16}$			0.33	+			~8.2	Ne
Kerosene C10-C16 petro.distillate – see Jet Fuels		8008-20-6									
MDI – see 4,4'-Methylenebis(phenylisocyanate)											
Maleic anhydride	2,5-Furandione	108-31-6	$C_4H_2O_3$							~10.8	0.1
Mesitylene	1,3,5-Trimethylbenzene	108-67-8	C_9H_{12}	0.36	+	0.35	+	0.3	+	8.41	25
Methallyl chloride – see 3-Chloro-2-methylpropene											
Methane	Natural gas	74-82-8	CH_4	NR	+	NR	+	NR	+	12.61	Ne
Methanol	Methyl alcohol, carbinol	67-56-1	CH_4O	NR	+	NR	+	2.5	+	10.85	200
Methoxyethanol, 2-	Methyl cellosolve, Ethylene glycol monomethyl ether	109-86-4	$C_3H_8O_2$	4.8	+	2.4	+	1.4	+	10.1	5
Methoxyethoxyethanol, 2-	2-(2-Methoxyethoxy)ethanol Diethylene glycol monomethyl ether	111-77-3	$C_7H_{16}O$	2.3	+	1.2	+	0.9	+	<10	Ne
Methoxyethyl ether, 2-	bis(2-Methoxyethyl) ether, Diethylene glycol dimethyl ether, Diglyme	111-96-6	$C_6H_{14}O_3$	0.64	+	0.54	+	0.44	+	<9.8	Ne
Methyl acetate		79-20-9	$C_3H_6O_2$	NR	+	6.6	+	1.4	+	10.27	200
Methyl acrylate	Methyl 2-propenoate, Acrylic acid methyl ester	96-33-3	$C_4H_6O_2$			3.7	+	1.2	+	(9.9)	2
Methylamine	Aminomethane	74-89-5	CH_5N			1.2				8.97	5
Methyl amyl ketone	MAK, 2-Heptanone, Methyl pentyl ketone	110-43-0	$C_7H_{14}O$	0.9	+	0.85	+	0.5	+	9.30	50
Methyl bromide	Bromomethane	74-83-9	CH_3Br	110	+	1.7	+	1.3	+	10.54	1
Methyl t-butyl ether	MTBE, *tert*-Butyl methyl ether	1634-04-4	$C_5H_{12}O$			0.9	+			9.24	40
Methyl cellosolve	see 2-Methoxyethanol										
Methyl chloride	Chloromethane	74-87-3	CH_3Cl	NR	+	NR	+	0.74	+	11.22	50
Methylcyclohexane		107-87-2	C_7H_{14}	1.6	+	0.97	+	0.53	+	9.64	400
Methylene bis(phenyl-isocyanate), 4,4'- *	MDI, Mondur M		$C_{15}H_{10}N_2O_2$	Very slow ppb level response							0.005

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Methylene chloride	Dichloromethane	75-09-2	CH_2Cl_2	NR	+	NR	+	0.89	+	11.32	25
Methyl ether	Dimethyl ether	115-10-6	C_2H_6O	4.8	+	3.1	+	2.5	+	10.03	Ne
Methyl ethyl ketone	MEK, 2-Butanone	78-93-3	C_4H_8O	0.86	+	0.9	+	1.1	+	9.51	200
Methylhydrazine	Monomethylhydrazine, Hydrazomethane	60-34-4	$C_2H_6N_2$	1.4	+	1.2	+	1.3	+	7.7	0.01
Methyl isoamyl ketone	MIAK, 5-Methyl-2-hexanone	110-12-3	$C_7H_{14}O$	0.8	+	0.76	+	0.5	+	9.28	50
Methyl isobutyl ketone	MIBK, 4-Methyl-2-pentanone	108-10-1	$C_6H_{12}O$	0.9	+	0.8	+	0.6	+	9.30	50
Methyl isocyanate	CH3NCO	624-83-9	C_2H_3NO	NR	+	4.6	+	1.5		10.67	0.02
Methyl isothiocyanate	CH3NCS	551-61-6	C_2H_3NS	0.5	+	0.45	+	0.4	+	9.25	ne
Methyl mercaptan	Methanethiol	74-93-1	CH_4S	0.65		0.54		0.66		9.44	0.5
Methyl methacrylate		80-62-6	$C_5H_8O_2$	2.7	+	1.5	+	1.2	+	9.7	100
Methyl nonafluorobutyl ether	HFE-7100DL	163702-08-7, 163702-07-6	$C_5H_3F_9O$			NR	+	~35	+		ne
Methyl-1,5-pentanediamine, 2- (coats lamp) *	Dytek-A amine, 2-Methyl pentamethylenediamine	15520-10-2	C6H16N2			~0.6	+			<9.0	ne
Methyl propyl ketone	MPK, 2-Pentanone	107-87-9	$C_5H_{12}O$			0.93	+	0.79	+	9.38	200
Methyl-2-pyrrolidinone, N-	NMP, N-Methylpyrrolidone, 1-Methyl-2-pyrrolidinone, 1-Methyl-2-pyrrolidone	872-50-4	C_5H_9NO	1.0	+	0.8	+	0.9	+	*9.17*	ne
Methyl salicylate	Methyl 2-hydroxybenzoate	119-36-8	C_8H_8O3	1.3	+	0.9	+	0.9	+	~9	ne
Methylstyrene, α-	2-Propenylbenzene	98-83-9	C_9H_{10}			0.5				8.18	50
Methyl sulfide	DMS, Dimethyl sulfide	75-18-3	C_2H_6S	0.49	+	0.44	+	0.46	+	8.69	ne
Mineral spirits	Stoddard Solvent, Varsol 1, White Spirits	8020-83-5 8052-41-3 68551-17-7	m.w. 144	1.0		0.69	+	0.38	+		100
Mineral Spirits - Viscor 120B Calibration Fluid, b.p. 156-207°C		8052-41-3	m.w. 142	1.0	+	0.7	+	0.3	+		100
Monoethanolamine - see Ethanolamine											
Mustard *	HD, Bis(2-chloroethyl) sulfide	505-60-2 39472-40-7 68157-62-0	$C_4H_8Cl_2S$			0.6					0.0005
Naphtha - see VM & P Naptha											
Naphthalene	Mothballs	91-20-3	$C_{10}H_8$	0.45	+	0.42	+	0.40	+	8.13	10
Nickel carbonyl (in CO)	Nickel tetracarbonyl	13463-39-3	C_4NiO_4			0.18				<8.8	0.001
Nicotine		54-11-5	$C_{10}H_{14}N_2$			2.0				≤10.6	
Nitric oxide		10102-43-9	NO	~6		5.2	+	2.8	+	9.26	25
Nitrobenzene		98-95-3	$C_6H_5NO_2$	2.6	+	1.9	+	1.6	+	9.81	1
Nitroethane		79-24-3	$C_2H_5NO_2$					3		10.88	100
Nitrogen dioxide		10102-44-0	NO_2	23	+	16	+	6	+	9.75	3
Nitrogen trifluoride		7783-54-2	NF_3	NR		NR		NR		13.0	10
Nitromethane		75-52-5	CH_3NO_2					4		11.02	20
Nitropropane, 2-		79-46-9	$C_3H_7NO_2$					2.6		10.71	10
Nonane		111-84-2	C_9H_{20}			1.4				9.72	200
Norpar 12	n-Paraffins, mostly C_{10}-C_{13}	64771-72-8	m.w. 161	3.2	+	1.1	+	0.28	+		ne
Norpar 13	n-Paraffins, mostly C_{13}-C_{14}	64771-72-8	m.w. 189	2.7	+	1.0	+	0.3	+		ne
Octamethylcyclotetrasiloxane		556-67-2	$C_8H_{24}O_4Si_4$	0.21	+	0.17	+	0.14	+		ne
Octamethyltrisiloxane		107-51-7	$C_8H_{24}O_2Si_3$	0.23	+	0.18	+	0.17	+	<10.0	ne
Octane, n-		111-65-9	C_8H_{18}	13	+	1.8	+			9.82	300
Octene, 1-		111-66-0	C_8H_{16}	0.9	+	0.75	+	0.4	+	9.43	75
Pentane		109-66-0	C_5H_{12}	80	+	8.4	+	0.7	+	10.35	600
Peracetic acid *	Peroxyacetic acid, Acetyl hydroperoxide	79-21-0	$C_2H_4O_3$	NR	+	NR	+	2.3	+		ne
Peracetic/Acetic acid mix *	Peroxyacetic acid, Acetyl hydroperoxide	79-21-0	$C_2H_4O_3$			50	+	2.5	+		ne
Perchloroethene	PCE, Perchloroethylene, Tetrachloroethylene	127-18-4	C_2Cl_4	0.69	+	0.57	+	0.31	+	9.32	25
PGME	Propylene glycol methyl ether, 1-Methoxy-2-propanol	107-98-2	$C_6H_{12}O_3$	2.4	+	1.5	+	1.1	+		100

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PGMEA	Propylene glycol methyl ether acetate, 1-Methoxy-2-acetoxypropane, 1-Methoxy-2-propanol acetate	108-65-6	$C_6H_{12}O_3$	1.65	+	1.0	+	0.8	+		ne
Phenol	Hydroxybenzene	108-95-2	C_6H_6O	1.0	+	1.0	+	0.9	+	8.51	5
Phosgene	Dichlorocarbonyl	75-44-5	CCl_2O	NR	+	NR	+	8.5	+	11.2	0.1
Phosgene in Nitrogen	Dichlorocarbonyl	75-44-5	CCl_2O	NR	+	NR	+	6.8	+	11.2	0.1
Phosphine (coats lamp)		7803-51-2	PH_3	28		3.9	+	1.1	+	9.87	0.3
Photocopier Toner	Isoparaffin mix					0.5	+	0.3	+		ne
Picoline, 3-	3-Methylpyridine	108-99-6	C_6H_7N			0.9				9.04	ne
Pinene, α-		2437-95-8	$C_{10}H_{16}$			0.31	+	0.47		8.07	ne
Pinene, β-		18172-67-3	$C_{10}H_{16}$	0.38	+	0.37	+	0.37	+	~8	100
Piperylene, isomer mix	1,3-Pentadiene	504-60-9	C_5H_8	0.76	+	0.69	+	0.64	+	8.6	100
Propane		74-98-6	C_3H_8			NR	+	1.8	+	10.95	2500
Propanol, n-	Propyl alcohol	71-23-8	C_3H_8O			5		1.7		10.22	200
Propene	Propylene	115-07-1	C_3H_6	1.5	+	1.4	+	1.6	+	9.73	ne
Propionaldehyde	Propanal	123-38-6	C_3H_6O			1.9				9.95	ne
Propyl acetate, n-		109-60-4	$C_5H_{10}O_2$			3.5		2.3		10.04	200
Propylamine, n-	1-Propylamine, 1-Aminopropane	107-10-8	C_3H_9N	1.1	+	1.1	+	0.9	+	8.78	ne
Propylene carbonate *		108-32-7	$C_4H_6O_3$			62	+	1	+	10.5	ne
Propylene glycol	1,2-Propanediol	57-55-6	$C_3H_8O_2$	18		5.5	+	1.6	+	<10.2	ne
Propylene glycol propyl ether	1-Propoxy-2-propanol	1569-01-3	$C_6H_{14}O_2$	1.3	+	1.0	+	1.6	+		ne
Propylene oxide	Methyloxirane	75-56-9 16088-62-3 15448-47-2	C_3H_6O	~240		6.6	+	2.9	+	10.22	20
Propyleneimine	2-Methylaziridine	75-55-8	C_3H_7N	1.5	+	1.3	+	1.0	+	9.0	2
Propyl mercaptan, 2-	2-Propanethiol, Isopropyl mercaptan	75-33-2	C_3H_8S	0.64	+	0.66	+			9.15	ne
Pyridine		110-86-1	C_5H_5N	0.78	+	0.7	+	0.7	+	9.25	5
Pyrrolidine (coats lamp)	Azacyclohexane	123-75-1	C_4H_9N	2.1	+	1.3	+	1.6	+	~8.0	ne
RR7300 (PGME/PGMEA)	70:30 PGME:PGMEA (1-Methoxy-2-propanol:1-Methoxy-2-acetoxypropane)	107-98-2	$C_4H_{10}O_2$ / $C_6H_{12}O_3$			1.4	+	1.0	+		ne
Sarin	GB, Isopropyl methylphosphonofluoridate	107-44-8 50642-23-4	$C_4H_{10}FO_2P$			~3					
Stoddard Solvent - see Mineral Spirits		8020-83-5									
Styrene		100-42-5	C_8H_8	0.45	+	0.40	+	0.4	+	8.43	20
Sulfur dioxide		7446-09-5	SO_2	NR		NR	+	NR	+	12.32	2
Sulfur hexafluoride		2551-62-4	SF_6	NR		NR		NR		15.3	1000
Sulfuryl fluoride	Vikane	2699-79-8	SO_2F_2	NR		NR		NR		13.0	5
Tabun *	Ethyl N, N-dimethylphosphoramidocyanidate	77-81-6	$C_5H_{11}N_2O_2P$			0.8					15ppt
Tetrachloroethane, 1,1,1,2-		630-20-6	$C_2H_2Cl_4$					1.3		~11.1	ne
Tetrachloroethane, 1,1,2,2-		79-34-5	$C_2H_2Cl_4$	NR	+	NR	+	0.60	+	~11.1	1
Tetrachlorosilane		10023-04-7	$SiCl_4$	NR		NR		15	+	11.79	ne
Tetraethyl lead	TEL	78-00-2	$C_8H_{20}Pb$	0.4		0.3		0.2		~11.1	0.008
Tetraethyl orthosilicate	Ethyl silicate, TEOS	78-10-4	$C_8H_{20}O_4Si$			0.7	+	0.2	+	~9.8	10
Tetrafluoroethane, 1,1,1,2-	HFC-134A	811-97-2	$C_2H_2F_4$			NR		NR			ne
Tetrafluoroethene	TFE, Tetrafluoroethylene, Perfluoroethylene	116-14-3	C_2F_4			~15				10.12	ne
Tetrafluoromethane	CFC-14, Carbon tetrafluoride	75-73-0	CF_4			NR	+	NR	+	>15.3	ne
Tetrahydrofuran	THF	109-99-9	C_4H_8O	1.9	+	1.7	+	1.0	+	9.41	200
Tetramethyl orthosilicate	Methyl silicate, TMOS	681-84-5	$C_4H_{12}O_4Si$	10	+	1.9	+			~10	1
Therminol® D-12 *	Hydrotreated heavy naphtha	64742-48-9	m.w. 160	0.8	+	0.51	+	0.33	+		ne
Therminol® VP-1 *	Dowtherm A, 3:1 Diphenyl oxide: Biphenyl	101-84-8 92-52-4	$C_{12}H_{10}O$ $C_{12}H_{10}$			0.4	+				1
Toluene	Methylbenzene	108-88-3	C_7H_8	0.54	+	0.50	+	0.51	+	8.82	50

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Compound Name	Synonym/Abbreviation	CAS No.	Formula	9.8	C	10.6	C	11.7	C	IE (eV)	TWA
Tolylene-2,4-diisocyanate	TDI, 4-Methyl-1,3-phenylene-2,4-diisocyanate	584-84-9	$C_9H_6N_2O_2$	1.4	+	1.4	+	2.0	+		0.002
Trichlorobenzene, 1,2,4-	1,2,4-TCB	120-82-1	$C_6H_3Cl_3$	0.7	+	0.46	+			9.04	C5
Trichloroethane, 1,1,1-	1,1,1-TCA, Methyl chloroform	71-55-6	$C_2H_3Cl_3$			NR	+	1	+	11	350
Trichloroethane, 1,1,2-	1,1,2-TCA	79-00-5	$C_2H_3Cl_3$	NR	+	NR	+	0.9	+	11.0	10
Trichloroethene	TCE, Trichoroethylene	79-01-6	C_2HCl_3	0.62	+	0.54	+	0.43	+	9.47	50
Trichloromethylsilane	Methyltrichlorosilane	75-79-6	CH_3Cl_3Si	NR		NR		1.8	+	11.36	ne
Trichlorotrifluoroethane, 1,1,2-	CFC-113	76-13-1	$C_2Cl_3F_3$			NR		NR		11.99	1000
Triethylamine	TEA	121-44-8	$C_6H_{15}N$	0.95	+	0.9	+	0.65	+	7.3	1
Triethyl borate	TEB; Boric acid triethyl ester	150-46-9	$C_6H_{15}O_3B$			2.2	+	1.1	+	~10	ne
Triethyl phosphate	Ethyl phosphate	78-40-0	$C_6H_{15}O_4P$	~50	+	3.1	+	0.60	+	9.79	ne
Trifluoroethane, 1,1,2-		430-66-0	$C_2H_3F_3$					34		*12.9*	ne
Trimethylamine		75-50-3	C_3H_9N			0.9				7.82	5
Trimethylbenzene, 1,3,5- - see Mesitylene		108-67-8									25
Trimethyl borate	TMB; Boric acid trimethyl ester, Boron methoxide	121-43-7	$C_3H_9O_3B$			5.1	+	1.2	+	10.1	ne
Trimethyl phosphate	Methyl phosphate	512-56-1	$C_3H_9O_4P$			8.0	+	1.3	+	9.99	ne
Trimethyl phosphite	Methyl phosphite	121-45-9	$C_3H_9O_3P$			1.1	+		+	*8.5*	2
Turpentine	Pinenes (85%) + other diisoprenes	8006-64-2	$C_{10}H_{16}$	0.37	+	0.30	+	0.29	+	~8	20
Undecane		1120-21-4	$C_{11}H_{24}$			2				9.56	ne
Varsol – see Mineral Spirits											
Vinyl actetate		108-05-4	$C_4H_6O_2$	1.5	+	1.2	+	1.0	+	9.19	10
Vinyl bromide	Bromoethylene	593-60-2	C_2H_3Br			0.4				9.80	5
Vinyl chloride	Chloroethylene, VCM	75-01-4	C_2H_3Cl			2.0	+	0.6	+	9.99	5
Vinyl-1-cyclohexene, 4-	Butadiene dimer, 4-Ethenylcyclohexene	100-40-3	C_8H_{12}	0.6	+	0.56	+			9.83	0.1
Vinylidene chloride - see 1,1-Dichloroethene											
Vinyl-2-pyrrolidinone, 1-	NVP, N-vinylpyrrolidone, 1-ethenyl-2-pyrrolidinone	88-12-0	C_6H_9NO	1.0	+	0.8	+	0.9	+		ne
Viscor 120B - see Mineral Spirits - Viscor 120B Calibration Fluid											
V. M. & P. Naphtha	Ligroin; Solvent naphtha; Varnish maker's & painter's naptha	64742-89-8	m.w. 111 (C_8-C_9)	1.7	+	0.97	+				300
Xylene, m-	1,3-Dimethylbenzene	108-38-3	C_8H_{10}	0.50	+	0.44	+	0.40	+	8.56	100
Xylene, o-	1,2-Dimethylbenzene	95-47-6	C_8H_{10}	0.56	+	0.46	+	0.43		8.56	100
Xylene, p-	1,4-Dimethylbenzene	106-42-3	C_8H_{10}	0.48	+	0.39	+	0.38	+	8.44	100
None				1		1		1			
Undetectable				1E+6		1E+6		1E+6			

* Compounds indicated in green can be detected using a MiniRAE 2000 or ppbRAE/+ with slow response, but may be lost by adsorption on a MultiRAE or EntryRAE. Response on multi-gas meters can give an indication of relative concentrations, but may not be quantitative and for some chemicals no response is observed.

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Appendix I:
Example of Automatic Calculation of Correction Factors, TLVs and Alarm Limits for Mixtures
(Calculations performed using Excel version of this database, available on request)

Compound	CF 9.8 eV	CF 10.6 eV	CF 11.7eV	Mol. Frac	Conc ppm	TLV ppm	STEL Ppm
Benzene	0.55	0.53	0.6	0.01	1	0.5	2.5
Toluene	0.54	0.5	0.51	0.06	10	50	150
Hexane, n-	300	4.3	0.54	0.06	10	50	150
Heptane, n-	45	2.8	0.6	0.28	50	400	500
Styrene	0.45	0.4	0.42	0.06	10	20	40
Acetone	1.2	1.1	1.4	0.28	50	750	1000
Isopropanol	500	6	2.7	0.28	50	400	500
None	1	1	1	0.00	0	1	
Mixture Value:	2.1	1.5	0.89	1.00	181	56	172
TLV Alarm Setpoint when Calibrated to Isobutylene:	26 ppm	37 ppm	62 ppm		ppm	ppm	ppm
STEL Alarm Setpoint, same Calibration	86 ppm	115 ppm	193 ppm				

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ROUX

FIELD OPERATING PROCEDURES

Calibration and Maintenance of Portable Specific Conductance Meter

FOP 012.0

CALIBRATION AND MAINTENANCE OF PORTABLE SPECIFIC CONDUCTANCE METER

PURPOSE

This guideline describes a method for calibration of a portable specific conductance meter. This meter measures the ability of a water sample to conduct electricity, which is largely a function of the dissolved solids within the water. The instrument has been calibrated by the manufacturer according to factory specifications. This guideline presents a method for checking the factory calibration of a portable specific conductance meter. A calibration check is performed to verify instrument accuracy and function. All field test equipment will be checked at the beginning of each sampling day. This procedure also documents critical maintenance activities for this meter.

ACCURACY

The calibrated accuracy of the specific conductance meter will be within ± 1 percent of full-scale, with repeatability of ± 1 percent. The built-in cell will be automatically temperature compensated from at least 32º to 160° F (0° to 71°C).

PROCEDURE

Note: The information included below is equipment manufacturer- and model-specific, however, accuracy, calibration, and maintenance procedures for this type of portable equipment are typically similar. The information below pertains to the Myron L Company Ultrameter Model 6P. The actual equipment to be used in the field will be equivalent or similar.

CALIBRATION AND MAINTENANCE OF PORTABLE SPECIFIC CONDUCTANCE METER

1. Calibrate all field test equipment at the beginning of each sampling day. Check and recalibrate the specific conductance meter according to the manufacture's specifications.

2. Use a calibration solution of known specific conductivity and salinity. For maximum accuracy, use a Standard Solution Value closest to the samples to be tested.

3. Rinse conductivity cell three times with proper standard.

4. Re-fill conductivity cell with same standard.

5. Press **COND** or **TDS**, then press **CAL/MCLR**. The "CAL" icon will appear on the display.

6. Press the **↑/MS** or **MR/↓** key to step the displayed value toward the standard's value or hold a key down to cause rapid scrolling of the reading.

7. Press CAL/MCLR once to confirm new value and end the calibration sequence for this particular solution type.

8. Repeat steps 1 through 7 with additional new solutions, as necessary.

9. Document the calibration results and related information in the Project Field Book and on an **Equipment Calibration Log** (see attached sample), indicating the meter readings before and after the instrument has been adjusted. This is important, not only for data validation, but also to establish maintenance schedules and component replacement. Information will include, at a minimum:
    - Time, date and initials of the field team member performing the calibration
    - The unique identifier for the meter, including manufacturer, model, and serial number
    - The brand and expiration date of the calibration standards
    - The instrument readings: before and after calibration

- The instrument settings (if applicable)
- The overall adequacy of calibration including the Pass or fail designation in accordance with the accuracy specifications presented above.
- Corrective action taken (see Maintenance below) in the event of failure to adequately calibrate.

MAINTENANCE

NOTE: Ultrameters should be rinsed with clean water after use. Solvents should be avoided. Shock damage from a fall may cause instrument failure.

Temperature Extremes

Solutions in excess of 160°F/71°C should not be placed in the cell cup area; this may cause damage. Care should be exercised not to exceed rated operating temperature. Leaving the Ultrameter in a vehicle or storage shed on a hot day can easily subject the instrument to over 150°F voiding the warranty.

Battery Replacement

Dry Instrument THOROUGHLY. Remove the four bottom screws. Open instrument carefully; it may be necessary to rock the bottom slightly side to side to release it from the RS-232 connector. Carefully detach battery from circuit board. Replace with 9-volt alkaline battery. Replace bottom, ensuring the sealing gasket is installed in the groove of the top half of case. Re-install screws, tighten evenly and securely.

NOTE: Because of nonvolatile EEPROM circuitry, all data stored in memory and all calibration settings are protected even during power loss or battery replacement.

Cleaning Sensors

The conductivity cell cup should be kept as clean as possible. Flushing with clean water following use will prevent buildup on electrodes. However, if very dirty samples — particularly scaling types — are allowed to dry in the cell cup, a film will form. This film reduces accuracy. When there are visible films of oil, dirt, or scale in the cell cup or on the electrodes, use a foaming non-abrasive household cleaner. Rinse out the cleaner and your Ultrameter is ready for accurate measurements.

NOTE: Maintain a log for each monitoring instrument. Record all maintenance performed on the instrument on this log with date and name of the organization performing the maintenance.

ATTACHMENTS

Equipment Calibration Log (sample)

FOP 012.0

CALIBRATION AND MAINTENANCE OF PORTABLE SPECIFIC CONDUCTANCE METER

EQUIPMENT CALIBRATION

PROJECT INFORMATION:

Project Name: Date:

Project No.:

Client: Instrument Source: ☐ BM ☐ Rental

METER TYPE	UNITS	TIME	MAKE/MODEL	SERIAL NUMBER	CAL. BY	STANDARD	READING	SETTI
☐ pH meter	units		Myron L Company Ultra Meter 6P	606987		4.00		
						7.00		
						10.01		
☐ Turbidity meter	NTU		Hach 2100P Turbidimeter	970600014560		< 0.4		
						20		
						100		
						800		
☐ Sp. conductance meter	uS/mS		Myron L Company Ultra Meter 6P	606987		µS @ 25 °C		
☐ PID	ppm		Photovac 2020 PID			open air zero		MIBK re
						____ ppm Iso. Gas		factor =
☐ Particulate meter	mg/m^3					zero air		
☐ Oxygen	%					open air		
☐ Hydrogen sulfide	ppm					open air		
☐ Carbon monoxide	ppm					open air		
☐ LEL	%					open air		
☐ Radiation Meter	uR/h					background area		
☐								

SAMPLE

ADDITIONAL REMARKS:

PREPARED BY: **DATE:**

ROUX

FIELD OPERATING PROCEDURES

Composite Sample Collection Procedure for Non-VOC Analysis

FOP 013.0

COMPOSITE SAMPLE COLLECTION PROCEDURE FOR NON-VOLATILE ORGANIC ANALYSIS

PURPOSE

This guideline addresses the procedure to be used when soil samples are to be composited in the field.

PROCEDURE

1. Transfer equal weighted aliquots of soil from individual split-spoon samples, excavator bucket, hand auger or surface soil sample location to a large precleaned stainless steel (or Pyrex glass) mixing bowl.

2. Thoroughly mix (homogenize) and break up the soil using a stainless steel scoop or trowel.

3. Spread the composite sample evenly on a stainless steel tray and quarter the sample.

4. Discard alternate (i.e., diagonal) quarters and, using a small stainless steel scoop or spatula, collect equal portions of subsample from the remaining two quarters until the amount required for the composite sample is acquired. Transfer these subsamples to a precleaned stainless steel (or Pyrex glass) mixing bowl and re-mix.

5. Transfer the composite sample to the laboratory provided, precleaned sample jars. Store any excess sample from the stainless steel tray in a separate, precleaned, wide-mouth sample jar and refrigerate for future use, if applicable.

6. Decontaminate all stainless steel (or Pyrex glass) equipment in accordance with Roux's Non-disposable and Non-dedicated Sampling Equipment Decontamination procedures.

7. Prepare samples in accordance with Benchmark's Sample Labeling, Storage and Shipment FOP.

8. Record all sampling details in the Project Field Book and on the Soil/Sediment Sample Collection Summary Log (sample attached).

ATTACHMENTS

Soil/Sediment Sample Collection Summary Log (sample)

REFERENCES

Roux's FOPs:

040 Non-disposable and Non-dedicated Sampling Equipment Decontamination
046 Sample Labeling, Storage and Shipment

FOP 013.0

COMPOSITE SAMPLE COLLECTION PROCEDURE FOR NON-VOLATILE ORGANIC ANALYSIS

SOIL/SEDIMEI

SAMPLE COLLECTION SUMMARY L(

Field ID	Location	QC Type	Depth (feet)		Analytical Parameters	Containers	Date	Time	Sampler Initials	Comments (e.g. problems encountered, ref. to varian location changes, depth changes, import matrix observations or description, grav thickness, etc.)
			from	to						

SAMPLE

Equipment Rinsate Blanks *- Pour clean deionized wate[r] [a]nd si[mi]lar equipment into sample containers. Collect at a frequency of 1 per sampling method per day. Analyze for all those parameters analyzed for in the samples coll the same day. HSL Metals can be substituted by only the Metals an[d] Hexa[valent] Chromium which needs a separate container). Match equipment used for constituents of concern to rinsate analyte. Note deionzied water lot # or distilay. manufacturers info & date.*

MS/MSD/MSB *- Collect at a frequency of 1 per 20 samples of each matri[x] [f]or all those parameters analyzed for the samples collected the same day.*

Field Blank *- Pour clean deionized water (used as final decon rinse water) into sample containers while at the sampling site. Collect field blanks at a frequency of 1 per lot of deionized water. Note water lot number and dates in use for decon in 'Comments' sectio*

Investigation Derived Waste (IDW) Characterization samples *- One composited sample from all drums of decon fluids and soil. Please note number of drums and labels on collection log.*

Notes:

1. See QAPP for sampling frequency and actual number of QC samples.
2. CWM - clear, wide-mouth glass jar with Teflon-lined cap.
3. HDPE - high density polyethylene bottle.
4. MS/MSD/MSB - Matrix Spike, Matrix Spike Duplicate, Matrix Spike Blank.
5. BD - Blind Duplicate - indicate location of duplicate.

ROUX

FIELD OPERATING PROCEDURES

Documentation Requirements for Drilling and Well Installation

FOP 015.0

DOCUMENTATION REQUIREMENTS FOR DRILLING AND WELL INSTALLATION

PURPOSE

The purpose of these documentation requirements is to document the procedures used for drilling and installing wells in order to ensure the quality of the data obtained from these operations. Roux field technical personnel will be responsible for developing and maintaining documentation for quality control of field operations. At least one field professional will monitor each major operation (e.g. one person per drilling rig) to document and record field procedures for quality control. These procedures provide a description of the format and information for this documentation.

PROCEDURE

Project Field Book

Personnel assigned by the Roux Field Team Leader or Project Manager will maintain a Project Field Book for all site activities. These Field Books will be started upon initiation of any site activities to document the field investigation process. The Field Books will meet the following criteria:

- Permanently bound, with nominal 8.5-inch by 11-inch gridded pages.
- Water resistant paper.
- Pages must be pre-numbered or numbered in the field, front and back.

Notations in the field book will be in black or blue ink that will not smudge when wet. Information that may be recorded in the Field Book includes:

- Time and date of all entries.

- Name and location of project site and project job number.
- Listing of key project, client and agency personnel and telephone numbers.
- Date and time of daily arrivals and departures, name of person keeping the log, names and affiliation of persons on site, purpose of visit (if applicable), weather conditions, outline of project activities to be completed.
- Details of any variations to the procedures/protocols (i.e., as presented in the Work Plan or Field Operating Procedures) and the basis for the change.
- Field-generated data relating to implementation of the field program, including sample locations, sample descriptions, field measurements, instrument calibration, etc.
- Record of all photographs taken in the field, including date, time, photographer, site location and orientation, sequential number of photograph, and roll number.

Upon completion of the site activities, all Field Books will be photocopied and both the original and photocopied versions placed in the project files. In addition, all field notes except those presented on specific field forms will be neatly transcribed into Field Activity Daily Log (FADL) forms (sample attached).

Field Borehole/Monitoring Well Installation Log Form

Examples of the Field Borehole Log and Field Borehole/Monitoring Well Installation Log forms are attached to this Field Operating Procedure. One form will be completed for every boring by the Roux field person overseeing the drilling. At a minimum, these forms will include:

- Project name, location, and number.
- Boring number.

- Rig type and drilling method.
- Drilling dates.
- Sampling method.
- Sample descriptions, to meet the requirements of the Unified Soil Classification System (USCS) for soils and the Unified Rock Classification System (URCS) for rock.
- Results of photoionization evaluations (scan and/or headspace determinations).
- Blow counts for sampler penetration (Standard Penetration Test, N-Value).
- Drilling rate, rig chatter, and other drilling-related information, as necessary.

All depths recorded on Boring/Monitoring Well Installation Log forms will be expressed in increments tenths of feet, and not in inches.

Well Completion Detail Form

An example of this form is attached to this Field Operating Procedure. One form will be completed for every boring by the Roux field person overseeing the well installation. At a minimum, these forms will include:

- Project name, location, and number.
- Well number.
- Installation dates.
- Dimensions and depths of the various well components illustrated in the Well Completion Detail (attached). These include the screened interval, bottom caps or plugs, centralizers, and the tops and bottoms of the various annular materials.

- Drilling rate, rig chatter, and other drilling related information.

All depths recorded on Field Borehole/Monitoring Well Installation Logs will be expressed in tenths of feet, and not in inches.

Daily Drilling Report Form

An example of this form is attached to this Field Operating Procedure. This form should be used to summarize all drilling activities. One form should be completed for each rig for each day. These forms will include summaries of:

- Footage drilled, broken down by diameter (e.g. 200 feet of 6-inch diameter hole, 50 feet of 10-inch diameter hole).
- Footage of well and screen installed, broken down by diameter.
- Quantities of materials used, including sand, cement, bentonite, centralizers, protective casings, traffic covers, etc. recorded by well or boring location.
- Active time (hours), and activity (drilling, decontamination, development, well installation, surface completions, etc.)
- Down-time (hours) and reason.
- Mobilizations and other events.
- Other quantities that will be the basis for drilling invoices.

The form should be signed daily by both the Roux field supervisor and the driller's representative, and provided to the Roux Field Team Leader.

Other Project Field Forms

Well purging/well development forms, test pit logs, environmental sampling field data sheets, water level monitoring forms, and well testing (slug test or pumping test) forms. Refer to specific guidelines for form descriptions.

ATTACHMENTS

Field Activity Daily Log (FADL) (sample)
Field Borehole Log (sample)
Field Borehole/Monitoring Well Installation Log (sample)
Stick-up Well/Piezometer Completion Detail (sample)
Flush-mount Well/Piezometer Completion Detail (sample)
Daily Drilling Report (sample)

DOCUMENTATION REQUIREMENTS FOR DRILLING AND WELL INSTALLATION

DAILY LOG				
	DATE			
	NO.			
	SHEET		OF	

FIELD ACTIVITY DAILY LOG

PROJECT NAME:	PROJECT NO.
PROJECT LOCATION:	CLIENT:
FIELD ACTIVITY SUBJECT:	
DESCRIPTION OF DAILY ACTIVITIES AND EVENTS:	

TIME	DESCRIPTION

SAMPLE

VISITORS ON SITE:	CHANGES FROM PLANS AND SPECIFICATIONS, AND OTHER SPECIAL ORDERS AND IMPORTANT DECISIONS:
WEATHER CONDITIONS: A.M.: P.M.:	IMPORTANT TELEPHONE CALLS:
BM/TK PERSONNEL ON SITE:	
SIGNATURE	DATE:

(CONTINUED)

DOCUMENTATION REQUIREMENTS FOR DRILLING AND WELL INSTALLATION

FIELD BOREHOLE LOG

PROJECT:												**Log of Boring No.:**			
BORING LOCATION:												ELEVATION AND DATUM:			
DRILLING CONTRACTOR:												DATE STARTED:		DATE FINISHED:	
DRILLING METHOD:												TOTAL DEPTH:		SCREEN INTERVAL:	
DRILLING EQUIPMENT:												DEPTH TO WATER: FIRST:	COMPL.:	CASING:	
SAMPLING METHOD:												LOGGED BY:			
HAMMER WEIGHT:					DROP:							RESPONSIBLE PROFESSIONAL:		REG. NO.	
Depth (fbgs)	SAMPLES					PID Scan (ppm)	SAMPLE DESCRIPTION USCS Classification: Color, Moisture Condition, % of Soil Type, Te… icity, Fabric, Bedding, Weathering/Fracturing, Odor, O… SURFACE ELEVATION (FMSL):					REMARKS			
	Sample No.	Sample	Blows (per 6")	SPT N-Value	Recovery										
ABANDONMENT:															
Volume of cement/bentonite grout required:				$V = \pi r^2 \times 7.48 =$								gallons		borehole depth =	ft.
Volume of cement/bentonite grout installed:												gallons		borehole diameter =	ft.
Has bridging of grout occurred? ☐ yes ☐ no														borehole radius =	ft.
If yes, explain resolution:															
Method of installation:															
Project No:														Figure	

SAMPLE

DOCUMENTATION REQUIREMENTS FOR DRILLING AND WELL INSTALLATION

FIELD BOREHOLE/MONITORING WELL INSTALLATION LOG

PROJECT:			**Log of Well No.:**	
BORING LOCATION:			ELEVATION AND DATUM:	
DRILLING CONTRACTOR:			DATE STARTED:	DATE FINISHED:
DRILLING METHOD:			TOTAL DEPTH:	SCREEN INTERVAL:
DRILLING EQUIPMENT:			DEPTH TO WATER: FIRST: / COMPL.:	CASING:
SAMPLING METHOD:			LOGGED BY:	
HAMMER WEIGHT:	DROP:		RESPONSIBLE PROFESSIONAL:	REG. NO.

Depth (fbgs)	SAMPLES: Sample No.	Sample	Blows (per 6")	SPT N-Value	Recovery	PID Scan (ppm)	SAMPLE DESCRIPTION	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS
							USCS Classification: Color, Moisture Condition, % of Soil Type, Plas... Fabric, Bedding, Weathering/Fracturing, Odor, Ot...	
							SURFACE ELEVATION (FMSL):	

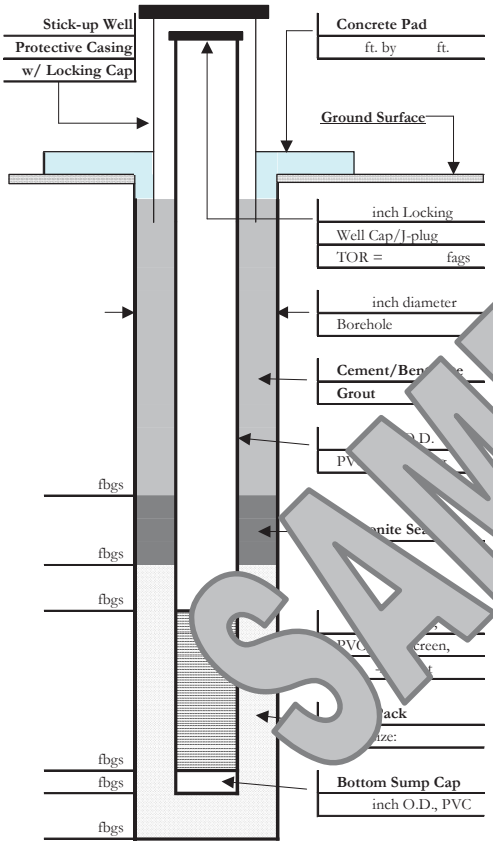
SAMPLE

Project No:		Figure

DOCUMENTATION REQUIREMENTS FOR DRILLING AND WELL INSTALLATION

STICK-UP WELL/PIEZOMETER COMPLETION DETAIL

Project Name:	WELL NUMBER:
Client:	Date Installed:
Boring Location:	Project Number:



Driller Information	
Company:	
Driller:	
Helper:	
Permit Number:	
Drill Rig Type:	

Well Informa	
Land Surfa ation:	fmsl (approximate)
Drilling Meth	
Soil Sample Colle nod:	
Fluid:	
Fl During Dri	gallons (approximate)

Cons ion	
C	
S	
Pack:	
Seal:	

De opment	
urpose:	
Tec neque(s):	
ate Completed:	
BM/TK Personnel:	
Total Volume Purge:	gallons
Static Water Level:	fbTOR
Pump Depth:	
Purge Duration:	minutes
Yeild:	gpm
Specific Capacity:	gpm/ft

SAMPLE

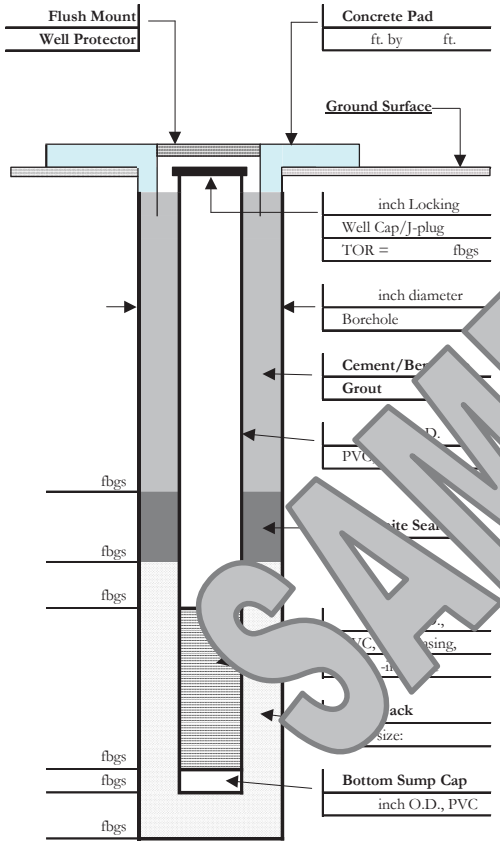
Comments:

PREPARED BY: DATE:

DOCUMENTATION REQUIREMENTS FOR DRILLING AND WELL INSTALLATION

FLUSHMOUNT WELL/PIEZOMETER COMPLETION DETAIL

Project Name:	WELL NUMBER:
Client:	Date Installed:
Boring Location:	Project Number:



Driller Information	
Company:	
Driller:	
Helper:	
Permit Number:	
Drill Rig Type:	

Well Inform	
Land Surfa ation	fmsl (approximate)
Drilling Meth	
S Sample Colle thod:	
Fluid:	
Flu During Drill	gallons (approximate)

l o Con ion	
C	
S	
Pack:	
A Seal:	

Development	
W urpose:	
Techneque(s):	
Date Completed:	
BM/TK Personnel:	
Total Volume Purge:	gallons
Static Water Level:	fbTOR
Pump Depth:	
Purge Duration:	minutes
Yeild:	gpm
Specific Capacity:	gpm/ft

SAMPLE

Comments:

PREAPRED BY: DATE:

FOP 015.0

DOCUMENTATION REQUIREMENTS FOR DRILLING AND WELL INSTALLATION

DAILY DRILLING REPORT

CONTRACTOR:	DATE:
DRILLING EQUIPMENT:	PROJECT:
CREW MEMBERS:	JOB NUMBER:
SITE NAME:	BM PERSONNEL:

CATEGORY	Total Hours	a.m. 6 7 8 9 10 11 12	p.m. 1 2 3 4 5 6 7 8 9 10 11 12	a.m. 1 2 3 4 5 6
MOB / DEMOB				
DRILLING				
WELL INSTALLATION				
DEVELOPMENT / TESTING				
GROUTING				
STEAM / DECON				
DOWN TIME (explain below)				
STANDBY (explain below)				
CLEANUP				
PREP FOR DRILLING				
LUNCH				
OTHER:				

REMARKS:

DRILLING & WELL MATERIALS: Describe nature, qu

ITEM OR SERVICE		LOCATION				TOTALS
Starting depth (fbgs)						--
Ending depth (fbgs)						--
Total footage drilled (feet)						
Drilling Method (HSA, air ble etc.)						--
Auger/Bit size						--
CSSS starting depth (fbg						--
CSSS ending depth (fbgs)						--
Total CSSS footage						
-inch Schedule 40 PVC screen, slot size =	QUANTITIES					
-inch Schedule 40 PVC riser						
-inch Schedule 40 PVC screen, sl						
-inch Schedule 40 PVC riser						
-inch Schedule 40 PVC screen, slot size =						
-inch Schedule 40 PVC riser						
Sand pack, size =						
Bentonite pellets/chips, size =						
Cement/beontonite grout						
☐ Protective casing ☐ Flushmount road box						
Lockable J-plug						
Lock						

PERSONNEL TIME LOG:

POSITION	NAME	HOURS
Observer		
Drillers		

DRILLER (optional):	BM REP.

SAMPLE

ROUX

FIELD OPERATING PROCEDURES

Drill Site Selection Procedure

FOP 017.0

DRILL SITE SELECTION PROCEDURE

PURPOSE

This procedure presents a method for selecting a site location for drilling. Drill site selection should be based on the project objectives, ease of site access, freedom from obstructions and buried metallic objects (drums) and site safety (appropriate set backs from overhead and buried services).

PROCEDURE

The following procedure outlines procedures prior to drilling activities:

1. Review project objectives and tentatively select drilling locations that provide necessary information for achieving objectives (i.e., Work Plan).

2. Clear locations with property owner/operator to ensure that drilling activities will not interfere with site operations and select appropriate access routes.

3. Stake locations in the field, measure distance from locations to recognizable landmarks, such as building or fence lines and plot locations on site plan. Ensure location is relatively flat, free of overhead wires and readily accessible. Survey location if property ownership is in doubt.

4. Obtain clearances from appropriate utilities and if buried waste/metallic objects are suspected, screen location with appropriate geophysical method.

5. Establish a secure central staging area for storage of drilling supplies and for equipment decontamination. Locate a secure storage area for drilling samples, as necessary.

ATTACHMENTS

none

ROUX

FIELD OPERATING PROCEDURES

Drilling and Excavation Equipment Decontamination Procedures

FOP 018.0

DRILLING AND EXCAVATION EQUIPMENT DECONTAMINATION PROCEDURES

PURPOSE

This procedure is to be used for the decontamination of drilling and excavation equipment (i.e., drill rigs, backhoes, augers, drill bits, drill rods, buckets, and associated equipment) used during a subsurface investigation. The purpose of this procedure is to remove chemical constituents associated with a particular drilling or excavation location from this equipment. This prevents these constituents from being transferred between drilling or excavation locations, or being transported out of controlled areas.

PROCEDURE

The following procedure will be utilized prior to the use of drilling or excavation equipment at each location, and prior to the demobilization of such equipment from the site:

1. Remove all loose soil and other particulate materials from the equipment at the survey site.

2. Wrap augers, tools, plywood, and other reusable items with a plastic cover prior to transport from the site of use to the decontamination facility.

3. Transport equipment to the decontamination facility. All equipment must be decontaminated at an established decontamination facility. This facility will be placed within a controlled area, and will be equipped with necessary features to contain and collect wash water and entrained materials.

4. Wash equipment thoroughly with pressurized low-volume water or steam, supplied by a pressure washer or steam cleaner.

5. If necessary, use a brush or scraper to remove visible soils adhering to the equipment, and a non-phosphate detergent to remove any oils, grease, and/or hydraulic fluids adhering to the equipment. Continue pressure washing until all visible contaminants are removed.

6. Allow equipment to air dry.

7. Store equipment in a clean area or wrap the equipment in new plastic sheeting as necessary to ensure cleanliness until ready for use.

8. Manage all wash waters and entrained solids as described in the Roux Field Operating Procedure for Management of Investigation-Derived Waste.

ATTACHMENTS

none

ROUX

FIELD OPERATING PROCEDURES

Establishing Horizontal and Vertical Control

FOP 021.0

ESTABLISHING HORIZONTAL AND VERTICAL CONTROL

PURPOSE

This guideline presents a method for establishing horizontal and vertical controls at a project site. It is imperative that this procedure be performed accurately, as all topographic and site maps, monitoring well locations and test pit locations will be based on these controls.

PROCEDURE

A. Establishing Horizontal Primary and Project Control

1. Research the State Plan Coordinate, USGS or project site applicable horizontal control monuments.
2. At the project site, recover the above-mentioned monuments, two markers minimum being recovered.
3. Establish control points on the project site by bringing in the primary control points recovered in the field.
4. All control points will be tied into a closed traverse to assure the error of closure.
5. Compute closures for obtaining degree of accuracy to adjust traverse points.

B. Establishing Vertical Primary and Project Control

1. Research project or USGS datum for recovering monument(s) for vertical control if different than those previously found.
2. Recover the monuments in the field, two markers minimum being found.
3. Set the projects benchmarks.
4. Run a level line from the monuments to the set project benchmarks and back, setting turning points on all benchmarks set on site.

5. Reduce field notes and compute error of closure to adjust benchmarks set on site.

6. Prepare the recovery sketches and tabulate a list for horizontal and vertical control throughout project site.

ROUX

FIELD OPERATING PROCEDURES

Groundwater Level Measurement

FOP 022.0

GROUNDWATER LEVEL MEASUREMENT

PURPOSE

This procedure describes the methods used to obtain accurate and consistent water level measurements in monitoring wells, piezometers and well points. Water levels will be measured at monitoring wells and, if practicable, in supply wells to estimate purge volumes associated with sampling, and to develop a potentiometric surface of the groundwater in order to estimate the direction and velocity of flow in the aquifer. Water levels in monitoring wells will be measured using an electronic water level indicator (e-line) that has been checked for operation prior to mobilization.

PROCEDURE

1. Decontaminate the e-line probe and a lower portion of cable following the procedures referenced in the Roux Field Operating Procedure for Non-Disposable and Non-Dedicated Sampling Equipment Decontamination. Store the e-line in a protected area until use. This may include wrapping the e-line in clean plastic until the time of use.

2. Unlock and remove the well protective cap or cover and place on clean plastic.

3. Lower the probe slowly into the monitoring well until the audible alarm sounds. This indicates the depth to water has been reached.

4. Move the cable up and down slowly to identify the depth at which the alarm just begins to sound. Measure this depth against the mark on the lip of the well riser used as a surveyed reference point (typically the north side of the riser).

5. Read depth from the graduated cable to the nearest 0.01 foot. Do not use inches. If the e-line is not graduated, use a rule or tape measure graduated in 0.01-foot increments to measure from the nearest reference mark on the e-line cable.

6. Record the water level on a Water Level Monitoring Record (sample attached).

7. Remove the probe from the well slowly, drying the cable and probe with a clean paper wipe. Be sure to repeat decontamination before use in another well.

8. Replace well plug and protective cap or cover. Lock in place as appropriate.

ATTACHMENTS

Water Level Monitoring Record (sample)

REFERENCES

Roux FOPs:

040 Non-Disposable and Non-Dedicated Sampling Equipment Decontamination

FOP 022.0

GROUNDWATER LEVEL MEASUREMENT

WATER LEVEL MONITORING RECORD

Project Name:	Client:
Project No.:	Location:
Field Personnel:	Date:
Weather:	

Well No.	Time	Top of Riser Elevation (fmsl)	Static Depth to Water (fbTOR)	Groundwater Elevation (fmsl)	Total Depth (fbTOR)	Last Total Depth Measurement (fbTOR)

ROUX

FIELD OPERATING PROCEDURES

Groundwater Purging Procedures Prior to Sample Collection

FOP 023.1

GROUNDWATER PURGING PROCEDURES PRIOR TO SAMPLE COLLECTION

PURPOSE

This procedure describes the methods for monitoring well/piezometer purging prior to groundwater sample collection in order to collect representative groundwater samples. The goal of purging is to remove stagnant, non-representative groundwater from the well and/or prevent stagnant water from entering collected samples. Purging involves the removal of at least three to five volumes of water in wells with moderate yields and at least one well volume from wells with low yields (slow water level recovery).

Purge and sample wells in order of least-to-most contaminated (this is not necessary if dedicated or disposable equipment is used). If you do not know this order, sample the upgradient wells first, then the furthest down-gradient or side-gradient wells, and finally the wells closest to, but down-gradient of the most contaminated area. Sampling should commence immediately following purging or as soon as the well has adequately recharged and not more than 24-hours following end time of evacuation.

PROCEDURE

1. Prepare the electronic water level indicator (e-line) in accordance with the procedures referenced in the Roux Field Operating Procedure for Groundwater Level Measurement and decontaminate the e-line probe and a lower portion of cable following the procedures referenced in the Roux Field Operating Procedure for Non-disposable and Non-dedicated Sampling Equipment Decontamination. Store the e-line in a protected area until use. This may include wrapping the e-line in clean plastic until the time of use.

2. Inspect the interior and exterior of the well/piezometer for signs of vandalism or damage and record condition on the Groundwater Field Form and/or Groundwater Well Inspection Form (samples attached). Specifically, inspect

the integrity of the following: concrete surface seal, lock, protective casing and well cover, well riser and J-plug/cap. Report any irregular findings to the Project Manager.

3. Unlock and remove the well protective cap or cover and place on clean plastic to avoid introducing foreign material into the well.

4. Calibrate the photoionization detector (PID) in accordance with the Roux Field Operating Procedure for Calibration and Maintenance of Portable Photoionization Detector.

5. Monitor the well for organic vapors using a PID, as per the Work Plan. If a reading of greater than 5 ppm is recorded, the well should be allowed to vent until levels drop below 5 ppm before proceeding with purging.

6. Lower the e-line probe slowly into the monitoring well and record the initial water level in accordance with the procedures referenced in the Roux Field Operating Procedure for Groundwater Level Measurement.

7. Following static water level determinations, slowly lower the e-line to the bottom of the well/piezometer. Record the total depth to the nearest 0.01-foot and compare to the previous total depth measurement. If a significant discrepancy exists, re-measure the total depth. Continue with purging activities observing purge water to determine whether the well/piezometer had become silted due to inactivity or damaged (i.e., well sand within purge water). Upon confirmation of the new total depth and determination of the cause (i.e., siltation or damage), notify the Project Manager following field activities.

8. Calculate the volume of water in the well based on the water level below the top of riser and the total depth of the well using the following equation:

$$V = 0.0408[(B)^2 \times \{(A) - (C)\}]$$

Where,

A = Total Depth of Well (feet below measuring point)
B = Casing diameter (inches)
C = Static Water Level (feet below measuring point)

9. **For wells where the water level is 20 feet or less below the top of riser**, a peristaltic pump may be used to purge the well. Measure the purged volume using a calibrated container (i.e., graduated 5-gallon bucket) and record measurements on the attached Groundwater Well Development and Purge Log. Use new and dedicated tubing for each well. During the evacuation of shallow wells, the intake opening of the pump tubing should be positioned just below the surface of the water. As the water level drops, lower the tubing as needed to maintain flow. For higher yielding wells, the intake level should not be lowered past the top of the screen. Pumping from the top of the water column will ensure proper flushing of the well. Continue pumping until the required volumes are removed (typically three well volumes). For higher yielding wells, adjust the purging rate to maintain the water level above the screen. For lower yielding wells or wells where the screen straddles the water table, maintain purging at a rate that matches the rate of recovery of the well (well yield). If the well purges to dryness and is slow to recharge (greater than 15 minutes), terminate evacuation. **A peristaltic pump and dedicated tubing cannot be used to collect VOC or SVOC project-required samples; only non-organic compounds may be collected using this type of pump.**

10. **For wells where the water level is initially below 20 feet,** or drawn down to this level because of slow recharge rate, conduct purging using one of three devices listed below:

- Bailer – A bottom filling dedicated polyethylene bailer attached to a length of dedicated hollow-braid polypropylene rope. Purging a well utilizing a bailer should be conducted smoothly and slowly as not to agitate the groundwater or damage the well.

- Well Wizard Purge Pump (or similar) – This pneumatic bladder pump uses compressed air to push water to the surface. Groundwater is not in contact

with the drive air during the pumping process, therefore the pump may be used for sample collection.

- Submersible Pump (12 or 24 volt, or similar) – These submersible pumps are constructed of PVC or stainless steel and are capable of pumping up to 70 feet from ground surface using a 12 volt battery (standard pump) and standard low flow controller. For depths up to 200 feet from ground surface, a high performance power booster controller is used with a 12 volt battery. Unless these pumps are dedicated to the monitoring well location, decontamination between locations is necessary and an equipment blank may be required.

- Waterra™ Pump – This manually operated pump uses dedicated polyethylene tubing and a check valve that can be used as an optional method for purging deeper wells. The pump utilizes positive pressure to evacuate the well, therefore the pump may be used for sample collection, and however over-agitation groundwater should be avoided.

Prior to use in a well, non-dedicated bailers, exterior pump bodies and pump tubing should be cleaned in accordance with the Roux Field Operating Procedure for Non-Disposable and Non-Dedicated Sampling Equipment Decontamination. Dedicated and/or disposable equipment should be contained within the sealed original manufacturers packaging and certified pre-cleaned by the manufacturer with a non-phosphate laboratory detergent and rinsed using de-ionized water.

8. Purging will continue until a predetermined volume of water has been removed (typically three well volumes) or to dryness. Measurements for pH, temperature, specific conductance, dissolved oxygen (optional), Eh (optional), and turbidity will be recorded following removal of each well volume. Purge the well to dryness or until the readings for indicator parameters listed above (or well-specific indicator parameters) stabilize within the following limits for each parameter measured:

Field Parameter	Stabilization Criteria
Dissolved Oxygen	± 0.3 mg/L
Turbidity	± 10 %
Specific Conductance	± 3 %
Eh	± 10 mV
PH	± 0.1 unit

Stabilization criteria presented within the project Work Plan will take precedence.

DOCUMENTATION AND SAMPLE COLLECTION

This section pertains to the documentation of collected field data during and following purging activities and sample collection.

1. Record all data including the final three stable readings for each indicator parameter on the attached Groundwater Well Purge & Sample Log.

2. Record, at a minimum, the "volume purged," "purging stop-time," "purged dry (Y/N)," "purged below sand pack (Y/N)," and any problems purging on the attached Groundwater Well Purge & Sample Log.

3. Collect groundwater samples in accordance with the Roux Field Operating Procedure for Groundwater Sample Collection. Record "sample flow rate" as an average, "time sample collected," and any other pertinent information related to the sampling event on the attached Groundwater Well Purge & Sample Log.

4. Restore the well to its capped/covered and locked condition.

ALTERNATIVE METHODS

Alternative purging and sampling methods and equipment, other than those described herein are acceptable if they provide representative groundwater samples. The purging and sampling method and equipment must not adversely affect sample integrity, chemistry, temperature, and turbidity. In addition, alternative equipment must have minimal or no effect on groundwater geochemistry, aquifer permeability and well materials. Equipment materials must also minimize sorption and leaching. The field team is responsible for documenting and describing any alternative equipment and procedures used to purge a well and collect samples.

ATTACHMENTS

Groundwater Field Form
Groundwater Well Inspection Form

REFERENCES

Roux FOPs:

011 Calibration and Maintenance of Portable Photoionization Detector
022 Groundwater Level Measurement
024 Groundwater Sample Collection Procedures
040 Non-disposable and Non-dedicated Sampling Equipment Decontamination

FOP 023.1

GROUNDWATER PURGING PROCEDURES PRIOR TO SAMPLE COLLECTION

GROUNDWATER FIELD FORM

Project Name: Date:

Location: Project No.: Field Team:

Well No.			Diameter (inches):			Sample Time:			
Product Depth (fbTOR):			Water Column (ft):			DTW when sampled:			
DTW (static) (fbTOR):			Casing Volume:			Purpose: ☐ Development ☐ Sample			
Total Depth (fbTOR):			Purge Volume (gal):			Purge Method:			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0 Initial								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:			Date: (if different from above)						
	S1								
	S2								

Well No.			Diameter (inches):			Sample Time:			
Product Depth (fbTOR):			Water Column (ft):			DTW when sampled:			
DTW (static) (fbTOR):			Casing Volume:			Purpose: ☐ Development ☐ Sample			
Total Depth (fbTOR):			Purge Volume (gal):			Purge Method:			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0 Initial								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:			Date: (if different from above)						
	S1								
	S2								

SAMPLE

REMARKS:

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY:

GROUNDWATER WELL INSPECTION FORM

Project:	**WELL I.D.:**
Client:	
Job No.:	
Date:	
Time:	

EXTERIOR INSPECTION

Protective Casing:
Lock:
Hinge/Lid:
Concrete Surface Seal:
Bollards:
Label/I.D.:
Other:

INTERIOR INSPECTION

Well Riser:
Annular Space:
Well Cap:
Water Level (fbTOR):
Total Depth (fbTOR):
Other:

Comments/Corrective Actions:

PREPARED BY: DATE:

SAMPLE

ROUX

FIELD OPERATING PROCEDURES

Groundwater Sample Collection Procedures

FOP 024.1

GROUNDWATER SAMPLE COLLECTION PROCEDURES

PURPOSE

This procedure describes the methods for collecting groundwater samples from monitoring wells and domestic supply wells following purging and sufficient recovery. This procedure also includes the preferred collection order in which water samples are collected based on the volatilization sensitivity or suite of analytical parameters required.

PROCEDURE

Allow approximately 3 to 10 days following well development before performing purge and sample activities at any well location. Conversely, perform sampling as soon as practical after sample purging at any time after the well has recovered sufficiently to sample, or within 24 hours after evacuation, if the well recharges slowly. If the well does not yield sufficient volume for all required laboratory analytical testing (including quality control), a decision should be made to prioritize analyses based on contaminants of concern at the site. If the well takes longer than 24 hours to recharge, the Project Manager should be consulted. The following two procedures outline sample collection activities for monitoring and domestic type wells.

Monitoring Wells

1. Purge the monitoring well in accordance with the Roux FOPs for Groundwater Purging Procedures Prior to Sample Collection or Low Flow (Minimal Drawdown) Groundwater Purging & Sampling Procedures. Perform sampling as soon as practical after purging at any time after the well has recovered sufficiently to sample, or within 24 hours after evacuation, if the well recharges slowly. If the well does not yield sufficient volume for all required laboratory analytical testing (including quality control), a decision should be made to prioritize analyses based on contaminants of concern at the site. Analyses will be prioritized in the order of the parameters volatilization sensitivity. After volatile organics have been collected, field parameters

must be measured from the next sample collected. If a well takes longer than 24 hours to recharge, the Project Manager should be consulted.

2. Sampling equipment that is not disposable or dedicated to the well will be decontaminated in accordance with the Roux Field Operating Procedure for Non-Disposable and Non-Dedicated Sampling Equipment Decontamination.

3. Calibrate all field meters (i.e., pH/Eh, turbidity, specific conductance, dissolved oxygen, PID etc.) in accordance with the Roux Field Operating Procedure for Calibration and Maintenance of the specific field meter.

4. Prepare the electronic water level indicator (e-line) in accordance with the procedures referenced in the Roux Field Operating Procedure for Groundwater Level Measurement and decontaminate the e-line probe and a lower portion of cable following the procedures referenced in the Roux Field Operating Procedure for Non-disposable and Non-dedicated Sampling Equipment Decontamination. Store the e-line in a protected area until use. This may include wrapping the e-line in clean plastic until the time of use.

5. Inspect the well/piezometer for signs of vandalism or damage and record condition on the Groundwater Field Form (sample attached). Specifically, inspect the integrity of the following: concrete surface seal, lock, protective casing and well cover, well casing and J-plug/cap. Report any irregular findings to the Project Manager.

6. Unlock and remove the well protective cap or cover and place on clean plastic to avoid introducing foreign material into the well.

7. Calibrate the photoionization detector (PID) in accordance with the Roux Field Operating Procedure for Calibration and Maintenance of Portable Photoionization Detector.

8. Monitor the well for organic vapors using a PID, as per the Work Plan. If a reading of greater than 5 ppm is recorded, the well should be allowed to vent until levels drop below 5 ppm before proceeding with purging. Record PID measurements on a well-specific Groundwater Field Form (sample attached).

9. Lower the e-line probe slowly into the monitoring well and record the measurement on a well-specific Groundwater Field Form (sample attached).

10. Groundwater samples will be collected directly from the sampling valve on the flow through cell (low-flow), discharge port of a standard pump assembly (peristaltic, pneumatic, submersible, or Waterra™ pump) or bailer (stainless steel, PVC or polyethylene) into appropriate laboratory provided containers. In low-yielding wells at which the flow through cell is not used, the samples may be collected using a disposable bailer. **A peristaltic pump and dedicated tubing cannot be used to collect VOC or SVOC project-required samples; only non-organic compounds may be collected using this type of pump.**

11. If disposable polyethylene bailers are used, the bailer should be lowered *slowly* below the surface of the water to minimize agitation and volatilization. For wells that are known to produce turbid samples (values greater than 50 NTU), the bailer should be lowered and retrieved at a rate that limits surging of the well.

12. Sampling data will be recorded on a Groundwater Field Form (sample attached).

13. Pre-label all sample bottles in the field using a waterproof permanent marker in accordance with the Roux Sample Labeling, Storage, and Shipment FOP. The following information, at a minimum, should be included on the label:

    - Project Number;
    - Sample identification code (as per project specifications);
    - Date of sample collection (mm, dd, yy);
    - Time of sample collection (military time only) (hh:mm);
    - Specify "grab" or "composite" sample type;
    - Sampler initials;
    - Preservative(s) (if applicable); and
    - Analytes for analysis (if practicable).

14. Collect a separate sample of approximately 200 ml into an appropriate container prior to collecting the first and following the last groundwater sample collected to measure the following field parameters:

Parameter	Units
Dissolved Oxygen	parts per million (ppm)
Specific Conductance	μmhos/cm or μS or mS
pH	pH units
Temperature	^{o}C or ^{o}F
Turbidity	NTU
Eh (*optional*)	mV
PID VOCs (*optional*)	ppm

Record all field measurements on a Groundwater Field Form (sample attached).

15. Collect samples into pre-cleaned bottles provided by the analytical laboratory with the appropriate preservative(s) added based on the volatilization sensitivity or suite of analytical parameters required, as designated in the **Sample Collection Order** section below.

16. Lower the e-line probe slowly into the monitoring well and record the measurement on a well-specific Groundwater Field Form (sample attached).

17. The samples will be labeled, stored, and shipped in accordance with the Roux Field Operating Procedure for Sample Labeling, Storage, and Shipment Procedures.

Domestic Supply Wells

1. Calculate or estimate the volume of water in the well. It is desirable to purge at least one casing volume before sampling. This is controlled, to some extent, by the depth of the well, well yield and the rate of the existing pump. If the volume of water in the well cannot be calculated, the well should be purged continuously for no less than 15 minutes.

2. Connect a sampling tap to an accessible fitting between the well and the pressure tank where practicable. A hose will be connected to the device and the hose discharge located 25 to 50 feet away. The well will be allowed to pump until the lines and one

well volume is removed. Flow rate will be measured with a container of known volume and a stopwatch.

3. Place a clean piece of polyethylene or Teflon™ tubing on the sampling port and collect the samples in the order designated below and in the sample containers supplied by the laboratory for the specified analytes. ***DO NOT*** use standard garden hose to collect samples.

4. Sampling results and measurements will be recorded on a Groundwater Field Form (sample attached) as described in the previous section.

5. Collect samples into pre-cleaned bottles provided by the analytical laboratory with the appropriate preservative(s) added based on the volatilization sensitivity or suite of analytical parameters required, as designated in the **Sample Collection Order** section below.

6. The samples will be labeled, stored, and shipped in accordance with the Roux Field Operating Procedure for Sample Labeling, Storage, and Shipment Procedures.

SAMPLE COLLECTION ORDER

All groundwater samples, from monitoring wells and domestic supply wells, will be collected in accordance with the following.

1. Samples will be collected preferentially in recognition of volatilization sensitivity. The preferred order of sampling if no free product is present is:

    - Field parameters
    - Volatile Organic Compounds (VOCs)
    - Purgeable organic carbons (POC)
    - Purgeable organic halogens (POH)
    - Total Organic Halogens (TOX)
    - Total Organic Carbon (TOC)
    - Extractable Organic Compounds (i.e., BNAs, SVOCs, etc.)
    - Total petroleum hydrocarbons (TPH) and oil and grease

- PCBs and pesticides
- Total metals (Dissolved Metals)
- Total Phenolic Compounds
- Cyanide
- Sulfate and Chloride
- Turbidity
- Nitrate (as Nitrogen) and Ammonia
- Preserved inorganics
- Radionuclides
- Unpreserved inorganics
- Bacteria
- Field parameters

2. Document the sampling procedures and related information in the Project Field Book and on a Groundwater Field Form (sample attached).
3. 1,4-dioxane will be analyzed via the 8270 SIM method.

DOCUMENTATION

The three words used to ensure adequate documentation for groundwater sampling are accountability, controllability, and traceability. Accountability is undertaken in the sampling plan and answers the questions who, what, where, when, and why to assure that the sampling effort meets its goals. Controllability refers to checks (including QA/QC) used to ensure that the procedures used are those specified in the sampling plan. Traceability is documentation of what was done, when it was done, how it was done, and by whom it was done, and is found in the field forms, Project Field Book, and chain-of-custody forms. At a minimum, adequate documentation of the sampling conducted in the field consists of an entry in the Project Field Book (with sewn binding), field data sheets for each well, and a chain-of-custody form.

As a general rule, if one is not sure whether the information is necessary, it should nevertheless be recorded, as it is impossible to over-document one's fieldwork. Years may go by before the documentation comes under close scrutiny, so the documentation must be capable of defending the sampling effort without the assistance or translation of the sampling crew.

The minimum information to be recorded daily with an indelible pen in the Project Field Book and/or field data sheets includes date and time(s), name of the facility, name(s) of the sampling crew, site conditions, the wells sampled, a description of how the sample shipment was handled, and a QA/QC summary. After the last entry for the day in the Project Field Book, the Field Team Leader should sign the bottom of the page under the last entry and then draw a line across the page directly under the signature.

PRECAUTIONS/RECOMMENDATIONS

The following precautions should be adhered to prior to and during sample collection activities:

- Field vehicles should be parked downwind (to avoid potential sample contamination concerns) at a minimum of 15 feet from the well and the engine turned off prior to PID vapor analysis and VOC sample collection.

- Ambient odors, vehicle exhaust, precipitation, or windy/dusty conditions can potentially interfere with obtaining representative samples. These conditions should be minimized and should be recorded in the field notes. Shield sample bottles from strong winds, rain, and dust when being filled.

- The outlet from the sampling device should discharge below the top of the sample's air/water interface, when possible. The sampling plan should specify

how the samples will be transferred from the sample collection device to the sample container to minimize sample alterations.

- The order of sampling should be from the least contaminated to the most contaminated well to reduce the potential for cross contamination of sampling equipment (see the Sampling Plan or Work Plan).

- Samples should not be transferred from one sampling container to another.

- Sampling equipment must not be placed on the ground, because the ground may be contaminated and soil contains trace metals. Equipment and supplies should be removed from the field vehicle only when needed.

- Smoking and eating should not be allowed until the well is sampled and hands are washed with soap and water, due to safety and possibly sample contamination concerns. These activities should be conducted beyond a 15-foot radius of the well.

- No heat-producing or electrical instruments should be within 15 feet of the well, unless they are intrinsically safe, prior to PID vapor analysis.

- Minimize the amount of time that the sample containers remain open.

- Do not touch the inside of sample bottles or the groundwater sample as it enters the bottle. Disposable gloves may be a source of phthalates, which could be introduced into groundwater samples if the gloves contact the sample.

- Sampling personnel should use a new pair of disposable gloves for each well sampled to reduce the potential for exposure of the sampling personnel to contaminants and to reduce sample cross contamination. In addition, sampling personnel should change disposable gloves between purging and sampling operations at the same well.

- Sampling personnel should not use perfume, insect repellent, hand lotion, etc., when taking groundwater samples. If insect repellent must be used, then sampling personnel should not allow samples or sampling equipment to contact the

repellent, and it should be noted in the documentation that insect repellent was used.

- Complete the documentation of the well. A completed assemblage of paperwork for a sampling event includes the completed field forms, entries in the Project Field Book (with a sewn binding), transportation documentation (if required), and possibly chain-of-custody forms.

ATTACHMENTS

Groundwater Field Form (sample)

REFERENCES

1. Wilson, Neal. *Soil Water and Ground Water Sampling*, 1995

Roux FOPs:

007 Calibration and Maintenance of Portable Dissolved Oxygen Meter
008 Calibration and Maintenance of Portable Field pH/Eh Meter
009 Calibration and Maintenance of Portable Field Turbidity Meter
011 Calibration and Maintenance of Portable Photoionization Detector
012 Calibration and Maintenance of Portable Specific Conductance Meter
022 Groundwater Level Measurement
023 Groundwater Purging Procedures Prior to Sample Collection (optional)
031 Low Flow (Minimal Drawdown) Groundwater Purging & Sampling Procedures (optional)
040 Non-Disposable and Non-Dedicated Sampling Equipment Decontamination
046 Sample Labeling, Storage and Shipment Procedures

GROUNDWATER FIELD FORM

Project Name: Date:

Location: Project No.: Field Team:

Well No.			Diameter (inches):			Sample Time:			
Product Depth (fbTOR):			Water Column (ft):			DTW when sampled:			
DTW (static) (fbTOR):			Casing Volume:			Purpose: ☐ Development ☐ Sample			
Total Depth (fbTOR):			Purge Volume (gal):			Purge Method:			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0 Initial								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:			Date: (if different from above)						
	S1								
	S2								

SAMPLE

Well No.			Diameter (inches):			Sample Time:			
Product Depth (fbTOR):			Water Column (ft):			DTW when sampled:			
DTW (static) (fbTOR):			Casing Volume:			Purpose: ☐ Development ☐ Sample			
Total Depth (fbTOR):			Purge Volume (gal):			Purge Method:			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0 Initial								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:			Date: (if different from above)						
	S1								
	S2								

REMARKS:

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY:

ROUX

FIELD OPERATING PROCEDURES

PFAS Groundwater/Surface Water Sample Collection Procedures

FOP 024.3

PFAS GROUNDWATER/ SURFACE WATER SAMPLE COLLECTION PROCEDURES

PURPOSE

This procedure describes the methods for collecting per-and polyfluoroalkyl substances (PFAS) groundwater samples from monitoring wells, following purging and sufficient recovery, and surface water locations. This procedure is specific to sites where PFAS sample analysis is required, and analysis specific collection and handling procedures are needed. PFAS sample analysis will be completed when Site analysis requires sampling of the full TAL/TCL analyte list. This field operating procedure (FOP) describes the personal protective equipment (PPE) and sampling equipment/materials appropriate for PFAS sample collection. PFAS laboratory analysis is performed using extremely low detection limits (parts per trillion). Therefore, cross contamination from potential sources (i.e., field equipment, consumer products) must be minimized to the extent possible.

PROCEDURE

Prior to sampling, discuss with the Site's Project Manager whether the monitoring wells that are to be sampled for the PFAS analytical parameters are new monitoring wells or existing monitoring wells. The specific handing and collection procedures for PFAS sampling are solely based on job preparation and sampling equipment used for the job. The standard practice of a 10 volume surge and purge of a newly installed monitoring well for development as discussed in Roux's FOP 036.0 – Monitoring Well Development Procedures and three volume well purge and/or low flow sampling that are discussed in Roux's FOP 023.1 – Groundwater Procedures Prior to Sample Collection remain the same. FOP 064.0 – Surface Water Sampling Procedures remains the same with the exceptions made in this FOP for PFAS sampling. The field sampling personnel must be prepared with appropriate clothing, equipment, and sampling containers for PFAS sampling as discussed below.

FIELD CLOTHING

Unacceptable Field Clothing

- No Gore-Tex®, this includes but not limited to boots, gloves, coveralls, hats, and coats.
- No Tyvex®, this includes but not limited to coveralls, boots, hoods and head coverings. Tyvex® is also found in everyday items such as envelopes, receipts, and adhesives.
- No clothes, jackets, boots, or gloves that have been pretreated with Teflon® water proofing. Teflon® can be found in everyday items such as scissors, plumbers' tape, adhesive tapes, Teflon ® paper for crafting and cookware utensils.
- No clothing that has been waterproofed with PFAS materials
- No brand-new unwashed cotton clothing.
- Clothing that has been washed with fabric softeners prior to sampling.

Acceptable Field Clothing

- Well-worn, washed clothes, jackets, hats, and coveralls without fabric softener usage.
- Rain Gear made from PVC, polyurethane, or rubber only (it cannot contain any of the products listed above).
- Disposable powder free nitrile gloves.

FIELD EQUIPMENT

Unacceptable Field Equipment

- Sampling Equipment containing Teflon® or Low-Density Polyethylene (LDPE). Sampling equipment that may contain these materials include submersible pumps, bailers, tubing, braided poly rope or cord, fishing line.

- No LDPE or glass lined sampling containers, or Teflon®-lined caps.
- Waterproof field books, binders, plastic clip boards, spiral hard cover notebooks.
- No adhesives or permanent makers can be used (i.e., Post-It® notes and Sharpies).
- No Aluminum foil or sampling tins.
- No blue ice packs
- Avoid using paper towels

Acceptable Field Equipment

- Sampling Equipment made from High Density Polyethylene (HDPE), stainless steel, acetate, silicon, or polypropylene.
- Sampling Containers made from HDPE polypropylene

Acceptable Field Equipment (continued)

- Sampling Equipment (i.e. bailers) made from Poly Vinyl Chloride (PVC)
- Nylon rope/twine
- Ice
- Alconox

ADDITIONAL PROCEDURES

- Keep all bottle ware in a dedicated cooler containing only PFAS sample containers.
- Avoid consumption of food or drink prior to and during the sampling event.
- Do not apply cosmetics or moisturizers prior to sampling.

- Do not use standard commercial sunscreen or insect repellents. Use only all natural or organic products.
- Collect PFAS sample from each location prior to collecting other samples for analysis to avoid contact with other sample containers and packing materials.
- New disposable nitrile gloves will be donned at each sampling location.
- Don new disposable nitrile gloves while handling empty sample containers, filling sampling containers, sealing sample containers, and placing containers into sampling coolers.
- Single use (dedicated) or disposable sampling equipment is preferred when multiple locations are sampled.
- Perform a standard two-step decontamination using Alconox detergent and laboratory provided PFAS-free water for all non-dedicated sampling equipment.
- Equipment blanks should be comprised of laboratory provided PFAS-free water. The water should be poured over and/or brought into direct contact with all sampling equipment (bailer, rope, tubing, gloves, water level meter, etc.). The equipment blank will then be sealed and returned to the sample cooler. One equipment blank will be collected each day PFAS samples are collected, or once every 20 samples, whichever is more frequent. Additional equipment blanks may be collected as needed.
- One field duplicate and one matrix spike/matrix spike duplicate (MS/MSD) will be collected for every 20 samples.
- Field blanks should be comprised of laboratory provided PFAS-free water. The field blank should be uncapped and placed near the field crew while purging/sampling preparations take place (i.e. prepare bottle set, calibrate groundwater quality meters, prepare bailers for sampling, etc.). The intent of the uncapped blank is to capture any ambient PFAS compounds that may emanate from the field crew or equipment during typical preparations associated with groundwater/surface water sampling. The field blank will then be capped and returned to the sample cooler.

ATTACHMENTS

Groundwater Field Form (sample)
Surface Water Quality Field Collection Log (Sample)

REFERENCES

Roux FOPs:

036.0 Monitoring Well Development Procedures
023.1 Groundwater Purging Procedures Prior to Sample Collection
064.0 Surface Water Sampling Procedures

GROUNDWATER FIELD FORM

Project Name: Date:

Location: Project No.: Field Team:

Well No.			Diameter (inches):			Sample Time:			
Product Depth (fbTOR):			Water Column (ft):			DTW when sampled:			
DTW (static) (fbTOR):			Casing Volume:			Purpose: ☐ Development ☐ Sample			
Total Depth (fbTOR):			Purge Volume (gal):			Purge Method:			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0 Initial								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:			Date: (if different from above)						
	S1								
	S2								

Well No.			Diameter (inches):			Sample Time:			
Product Depth (fbTOR):			Water Column (ft):			DTW when sampled:			
DTW (static) (fbTOR):			Casing Volume:			Purpose: ☐ Development ☐ Sample			
Total Depth (fbTOR):			Purge Volume (gal):			Purge Method:			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0 Initial								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:			Date: (if different from above)						
	S1								
	S2								

SAMPLE

REMARKS:

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY:

SURFACE WATER
QUALITY FIELD COLLECTION LOG

PROJECT INFORMATION

Project Name:
Project No.:
Client:

SAMPLE DESCRIPTION

I.D.:
Matrix:
Location:

SAMPLE INFORMATION

Date Collected:
Time Collected:
Date Shipped to Lab:
Collected By:
Sample Collection Method:

LABORATORY ANALYSIS

SAMPLING INFORMATION

Weather:
Air Temperature:
Depth of Sample:

Parameter	First	Last	Units
pH			units
Temp.			°C
Cond.			mS
Turbidity			NTU
Eh			mV
D.O.			ppm
Odor			olfactory
Appearance			visual

LOCATION SKETCH

(not to scale, dimensions are approximate)

EXACT LOCATION (if applicable)

Northing (ft)	Easting (ft)	Surface Elevation (fmsl)

ADDITIONAL LABORATORY ANALYSIS:

ADDITIONAL REMARKS:

PREPARED BY: **DATE:**

SAMPLE

ROUX

FIELD OPERATING PROCEDURES

Hand Augering Procedures

FOP 025.0

HAND AUGERING PROCEDURES

PURPOSE

This guideline presents a method for hand augering, which enables the recovery of representative surface and shallow subsurface samples for classification and sample collection (ASTM D1452).

PROCEDURE

1. Review project objectives and the Project Health and Safety Plan (HASP).

2. Follow Roux's FOP: Drill Site Selection Procedure prior to implementing any hand augering activity.

3. Establish a central staging area for storage of augering supplies and for equipment decontamination (include plastic-covered work bench/table as necessary). Locate a secure storage area for augered samples.

4. Assemble auger and decontaminate in accordance with Roux's FOP: Non-Disposable and Non-Dedicated Sampling Equipment Decontamination.

5. Cover the area to be sampled with plastic sheeting, as determined by the Project Work Plan.

6. Make the auger boring through the plastic sheeting by rotating and advancing the auger to the desired depth below ground surface.

7. Withdraw the auger from the hole and remove soil for examination, soil classification, on-site testing (if applicable) and laboratory physical/chemical sample collection (if applicable) in accordance with specific Roux FOPs (Soil Description Procedures Using the Unified Soil Classification System; Composite Sample Collection Procedure for Non-Volatile Organic Analysis; and/or Soil Sample Handling for VOC Analysis) and as directed by the Project Work Plan.

8. Document all properties and sample locations in the Project Field Book and Hand Auger Borehole Log (sample attached). Specifically, total depth, borehole diameter, depth of sample collection, personnel, etc. should be recorded.

9. Place sample in appropriate container(s), label and store for future reference or ship to laboratory for analysis in accordance with Roux's Field Operating Procedure for Sample Labeling, Storage and Shipment.

10. Decontaminate auger in accordance with Roux's Field Operating Procedure for Non-Disposable and Non-Dedicated Sampling Equipment Decontamination.

11. Advance auger to next sample interval and repeat steps 7 through 12 as necessary.

12. Backfill auger holes in accordance with approved procedures outlined in the Project Work Plan.

ATTACHMENTS

Hand Auger Borehole Log (sample)

REFERENCES

Roux FOPs:

013 Composite Sample Collection Procedure for Non-Volatile Organic Analysis
017 Drill Site Selection Procedure
040 Non-Disposable and Non-Dedicated Sampling Equipment Decontamination
046 Sample Labeling, Storage and Shipment
054 Soil Description Procedures Using the Unified Soil Classification System
057 Soil Sample Handling for Volatile Organic Compound Analysis – Encore Sampling

FOP 025.0

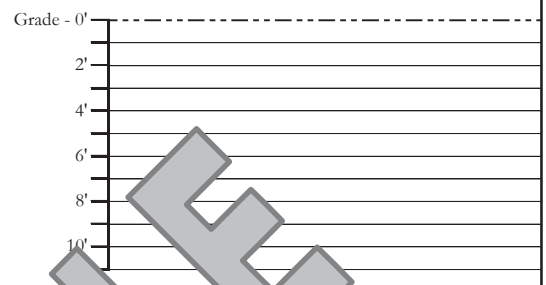
HAND AUGERING PROCEDURES

HAND AUGER BOREHOLE LOG

Project:	BOREHOLE I.D.:
Project No.:	Excavation Date:
Client:	Excavation Method:
Location:	Logged / Checked By:

Hand Auger Location: *NOT TO SCALE*

Hand Auger Cross Section:



TIME	BOREHOLE DIMENSIONS	
Start:	Diameter:	(approx.)
End:	Depth:	(approx.)

Depth (fbgs)	SAMPLE DESCRIPTION USCS Classification: Color, Moisture Condi… …ther Plasticity, Fabric, Bedding, Weather… /Fra… O…	…pm)	Photos Y / N	Samples Collected (fbgs)

SAMPLE

COMMENTS:			
GROUNDWATER ENCOUNTERED:	yes	no	If yes, depth to GW:
VISUAL IMPACTS:	yes	no	Describe:
OLFACTORY OBSERVATIONS:	yes	no	Describe:
NON-NATIVE FILL ENCOUNTERED:	yes	no	
OTHER OBSERVATIONS:	yes	no	Describe:
SAMPLES COLLECTED:	yes	no	Sample I.D.:
			Sample I.D.:
			Sample I.D.:

ROUX

FIELD OPERATING PROCEDURES

Hollow Stem Auger Drilling Procedures

FOP 026.1

HOLLOW STEM AUGER (HSA) DRILLING PROCEDURES

PURPOSE

This guideline presents a method for drilling a borehole through unconsolidated materials, including soils or overburden, and consolidated materials, including bedrock.

PROCEDURE

The following procedure will be used to drill a borehole for sampling and/or well installation, using hollow-stem auger methods and equipment.

1. Follow Roux's Field Operating Procedure for Drill Site Selection Procedure prior to implementing any drilling activity.

2. Perform drill rig safety checks with the driller by completing the Drilling Safety Checklist form (sample attached).

3. Conduct tailgate health and safety meeting with project team and drillers by completing the Tailgate Safety Meeting Form.

4. Calibrate air-monitoring equipment in accordance with the appropriate Roux's Field Operating Procedures (i.e., PID, FID, combustible gas meter) or manufacturer's recommendations for calibration of field meters (i.e., DataRAM 4 Particulate Meter).

5. Ensure all drilling equipment (i.e., augers, rods, split-spoons) appear clean and free of soil prior to initiating any subsurface intrusion. Decontamination of drilling equipment should be in accordance with Roux's FOP: Drilling and Excavation Equipment Decontamination Procedures.

6. Mobilize the auger rig to the site and position over the borehole.

7. Level and stabilize the rig using the rig jacks, and recheck the rig location against the planned drilling location. If necessary, raise the jacks and adjust the rig position.

8. Place a metal or plywood auger pan over the borehole location to collect the auger cuttings. This auger pan will be equipped with a 12-inch nominal diameter hole for auger passage. As an alternative, a piece of polyethylene tarp may be used as a substitute.

9. Advance augers into the subsurface. For sampling or pilot-hole drilling, nominal 8-inch outside diameter (OD) augers should be used. The boring diameter will be approved by the Roux field supervisor.

10. Collect soil samples via split spoon sampler in accordance with Roux's Field Operating Procedure for Split Spoon Sampling.

11. Check augers periodically during drilling to ensure the boring is plumb. Adjust rig position as necessary to maintain plumb.

12. Continue drilling until reaching the assigned total depth, or until auger refusal occurs. Auger refusal is when the drilling penetration drops below 0.1 feet per 10 minutes, with the full weight of the rig on the auger bit, and a center bit (not center plug) in place.

13. Plug and abandon boreholes not used for well installation in accordance with Roux's Field Operating Procedure for Abandonment of Borehole.

OTHER PROCEDURAL ISSUES

- Slip rings may be used for lifting a sampling or bit string. The string will not be permitted to extend more than 15 feet above the mast crown.

- Borings will not be over drilled (rat holed) without the express permission of the Roux field supervisor. All depth measurements should be accurate to the nearest 0.1 foot, to the extent practicable.

- Potable water may be placed in the auger stem if critically necessary for borehole control or to accomplish sampling objectives and must be approved by the Roux Project Manager and/or NYSDEC Project Manager. Upon approval,

the potable water source and quantity used will be documented in the Project Field Book and subsequent report submittal.

ATTACHMENTS

Drilling Safety Checklist (sample)
Tailgate Safety Meeting Form (sample)

REFERENCES

Roux FOPs:

001 *Abandonment of Borehole Procedures*
010 *Calibration and Maintenance of Portable Flame Ionization Detector*
011 *Calibration and Maintenance of Portable Photoionization Detector*
017 *Drill Site Selection Procedure*
018 *Drilling and Excavation Equipment Decontamination Procedures*
058 *Split Spoon Sampling Procedures*

DRILLING SAFETY CHECKLIST

Project: **Supplemental Phase II RFI/ICMs**	Date:
Project No.: **0041-009-500**	Drilling Company:
Client: **RealCo., Inc.**	Drill Rig Type:

ITEMS TO CHECK	OK	ACTION NEEDED
"Kill switches" installed by the manufacturer are in operable condition and all workers at the drill site are familiar with their location and how to activate them?		
"Kill switches" are accessible to workers on both sides of the rotating stem? NOTE: Optional based on location and number of switches provided by the manufacturer.		
Cables on drill rig are free of kinks, frayed wires, "bird cages" and worn or missing sections?		
Cables are terminated at the working end with a proper eye splice, either swaged Coupling or using cable clamps?		
Cable clamps are installed with the saddle on the live or load side? Clamps should not be alternated and should be of the correct size and number for the cable size to which it is installed. Clamps are complete with no missing parts?		
Hooks installed on hoist cables are the safety type with a functional latch to prevent accidental separation?		
Safety latches are functional and completely span the entire throat of the hook and have positive action to close the throat except when manually displaced for connecting or disconnecting a load?		
Drive shafts, belts, chain drives and universal joints shall be guarded to prevent accidental insertion of hands and fingers or tools.		
Outriggers shall be extended prior to and whenever the boom is raised off its cradle. Hydraulic outriggers must maintain pressure to continuously support and stabilize the drill rig even while unattended.		
Outriggers shall be properly supported on the ground surface to prevent settling into the soil.		
Controls are properly labeled and have freedom of movement. Controls should not be blocked or locked in an active position.		
Safeties on any device shall not be bypassed or neutralized.		
Controls shall be operated smoothly and cables and lifting devices shall not be jerked or operated erratically to overcome resistance.		
Slings, chokers and lifting devices are inspected before using and are in proper working order? Damaged units are removed from service and are properly tagged?		
Shackles and clevises are in proper working order and pins and screws are fully inserted before placing under a load?		
High-pressure hoses have a safety (chain, cable or strap) at each end of the hose section to prevent whipping in the event of a failure?		
Rotating parts of the drill string shall be free of sharp projections or hooks, which could entrap clothing or foreign objects?		
Wire ropes should not be allowed to bend around sharp edges without cushion material.		
The exclusion zone is centered over the borehole and the radius is equal or greater than the boom height?		

ITEMS TO CHECK	OK	ACTION NEEDED

SAMPLE

DRILLING SAFETY CHECKLIST

Project: **Supplemental Phase II RFI/ICMs** Date:

Project No.: **0041-009-500** Drilling Company:

Client: **RealCo., Inc.** Drill Rig Type:

ITEMS TO CHECK	OK	ACTION NEEDED
The work area around the borehole shall be kept clear of trip hazards and walking surfaces should be free of slippery material.		
Workers shall not proceed higher than the drilling deck without a fall restraining device and must attach the device in a manner to restrict fall to less than 6 feet.		
A fire extinguisher of appropriate size shall be immediately available to the drill crew. The drill crew shall have received annual training on proper use of the fire extinguisher.		
29 CFR 1910.333 © (3) Except where electrical distribution and transmission lines have been de-energized and visibly grounded, drill rigs will be operated proximate to, under, by, or near power lines only in accordance with the following: .333 © (3) (ii) 50 kV or less -minimum clearance is 10 ft. For 50 kV or over - 10ft. Plus ½ in. For each additional kV Roux **Policy: Maintain 20 feet clearance**		
29 CFR 1910.333 © (3) (iii) While the rig is in transit with the boom in the down position, clearance from energized power lines will be maintained as follows: Less than 50 kV - 4 feet 50 to 365 kV - 10 feet 365 to 720 kV - 16 feet		

Name: _____ (printed)

Signed: _____ Date: _____

SAMPLE

FOP 026.1

HOLLOW STEM AUGER (HSA) DRILLING PROCEDURES

TAILGATE SAFETY MEETING FORM

Project Name: Date: Time:
Project Number: Client:
Work Activities:

HOSPITAL INFORMATION:

Name:
Address: *City:* *State:* *Zip:*
Phone No.: *Ambulance Phone No.*

SAFETY TOPICS PRESENTED:

Chemical Hazards:

Physical Hazards: Slips, Trips, Falls

PERSONAL PROTECTIVE EQUIPMENT:

Activity:	*PPE Level:*	A	B	C	D
Activity:	*PPE Level:*	A	B	C	D
Activity:	*PPE Level:*	A	B	C	D
Activity:	*PPE Level:*	A	B	C	D
Activity:	*PPE Level:*	A	B	C	D

New Equipment:

Other Safety Topic (s): Environmental Hazards (aggressive fauna)
Eating, drinking, use of tobacco products is prohibited in the Exclusion Zone (EZ)

ATTENDEES

Name Printed	Signatures

Meeting conducted by:

SAMPLE

ROUX

FIELD OPERATING PROCEDURES

Low-Flow (Minimal Drawdown) Groundwater Purging & Sampling Procedure

FOP 031.2

LOW FLOW (MINIMAL DRAWDOWN) GROUNDWATER PURGING & SAMPLING PROCEDURES

PURPOSE

This procedure describes the methods used for performing low flow (minimal drawdown) purging, also referred to as micro-purging, at a well prior to groundwater sampling to obtain a representative sample from the water-bearing zone. This method of purging is used to minimize the turbidity of the produced water. This may increase the representativeness of the groundwater samples by avoiding the necessity of filtering suspended solids in the field prior to preservation of the sample.

Well purging is typically performed immediately preceding groundwater sampling. The sample should be collected as soon as the parameters measured in the field (i.e., pH, specific conductance, dissolved oxygen, Eh, temperature, and turbidity) have stabilized.

PROCEDURE

Allow approximately 3 to 10 days following well development for groundwater to return to static conditions before performing low-flow purge and sample activities at any well location. Conversely, perform low-flow sampling as soon as purged groundwater has stabilized. If the well does not yield sufficient volume (i.e., cannot maintain a constant water level during purging) for low-flow purge and sampling, then an alternative method must be performed in accordance with Roux's Groundwater Purging Procedures Prior to Sample Collection FOP.

1. Water samples should not be taken immediately following well development. Sufficient time should be allowed to stabilize the groundwater flow regime in

the vicinity of the monitoring well. This lag time will depend on site conditions and methods of installation but may exceed one week.

2. Prepare the electronic water level indicator (e-line) in accordance with the procedures referenced in the Roux's Groundwater Level Measurement FOP and decontaminate the e-line probe and a lower portion of cable following the procedures referenced in the Roux's Non-disposable and Non-dedicated Sampling Equipment Decontamination FOP. Store the e-line in a protected area until use. This may include wrapping the e-line in clean plastic until the time of use.

3. Calibrate all sampling devices and monitoring equipment in accordance with manufacturer's recommendations, the site Quality Assurance Project Plan (QAPP) and/or Field Sampling Plan (FSP). Calibration of field instrumentation should be followed as specified in Roux's Calibration and Maintenance FOP for each individual meter.

4. Inspect the well/piezometer for signs of vandalism or damage and record condition on the Groundwater Field Form (sample attached). Specifically, inspect the integrity of the following: concrete surface seal, lock, protective casing and well cover, well casing and J-plug/cap. Report any irregular findings to the Project Manager.

5. Unlock and remove the well protective cap or cover and place on clean plastic to avoid introducing foreign material into the well.

6. Monitor the well for organic vapors using a PID, as per the Work Plan. If a reading of greater than 5 ppm is recorded, the well should be allowed to vent until levels drop below 5 ppm before proceeding with purging.

7. Lower the e-line probe slowly into the monitoring well and record the initial water level in accordance with the procedures referenced in Roux's Groundwater Level Measurement FOP. Refer to the construction diagram for the well to identify the screened depth.

8. Decontaminate all non-dedicated pump and tubing equipment following the procedures referenced in the Roux's Non-disposable and Non-dedicated Sampling Equipment Decontamination FOP.

9. Lower the purge pump or tubing (i.e., low-flow electrical submersible, peristaltic, etc.) slowly into the well until the pump/tubing intake is approximately in the middle of the screened interval. Rapid insertion of the pump will increase the turbidity of well water, and can increase the required purge time. This step can be eliminated if dedicated tubing is already within the well.

   Placement of the pump close to the bottom of the well will cause increased entrainment of solids, which may have settled in the well over time. Low-flow purging has the advantage of minimizing mixing between the overlying stagnant casing water and water within the screened interval. The objective of low-flow purging is to maintain a purging rate, which minimizes stress (drawdown) of the water level in the well. Low-flow refers to the velocity with which water enters the pump intake and that is imparted to the formation pore water in the immediate vicinity of the well screen.

10. Lower the e-line back down the well as water levels will be frequently monitored during purge and sample activities.

11. Begin pumping to purge the well. The pumping rate should be between 100 and 500 milliliters (ml) per minute (0.03 to 0.13 gallons per minute) depending on site hydrogeology. Periodically check the well water level with the e-line adjusting the flow rate as necessary to stabilize drawdown within the well. If possible, a steady flow rate should be maintained that results in a stabilized water level (drawdown of 0.3 feet or less). If the water level exceeds 2 feet below static and declining, slow the purge rate until the water level generally stabilizes. Record each pumping rate and water level during the event. If the water level continues to drop and will not stabilize, the monitoring location is not conducive to low-flow sampling and conventional purge and sample methods should be performed.

The low flow rate determined during purging will be maintained during the collection of analytical samples. At some sites where geologic heterogeneities are sufficiently different within the screened interval, high conductivity zones may be preferentially sampled.

12. Measure and record field parameters (pH, specific conductance, Eh, dissolved oxygen (DO), temperature, and turbidity) during purging activities. In lieu of measuring all of the parameters, a minimum subset could be limited to pH, specific conductance, and turbidity or DO. A reduction in the field parameter list must be approved by the Project Manager and/or the NYSDEC Project Manager.

    Water quality indicator parameters should be used to determine purging needs prior to sample collection in each well. Stabilization of indicator parameters should be used to determine when formation water is first encountered during purging. In general, the order of stabilization is pH, temperature, and specific conductance, followed by Eh, DO and turbidity. Performance criteria for determination of stabilization should be based on water-level drawdown, pumping rate and equipment specifications for measuring indicator parameters. An in-line flow through cell to continuously measure the above parameters may be used. The in-line device should be disconnected or bypassed during sample collection.

13. Purging will continue until parameters of water quality have stabilized or at least a minimum of three (3) well volumes have been removed. Record measurements for field indicator parameters (including water levels) at regular intervals during purging. The stability of these parameters with time can be used to guide the decision to discontinue purging. Proper adjustments must be made to stabilize the flow rate as soon as possible.

14. Record well purging and sampling data in the Project Field Book or on the Groundwater Field Form (sample attached). Measurements should be taken approximately every three to five minutes, or as merited given the rapidity of change.

15. Purging is complete when field indicator parameters stabilize. Stabilization is achieved after all field parameters have stabilized for three successive readings. Three successive readings should be within ± 0.1 units for pH, ± 3% for specific conductance, ± 10 mV for Eh, and ± 10% for turbidity and dissolved oxygen. These stabilization guidelines are provided for rough estimates only, actual site-specific knowledge may be used to adjust these requirements higher or lower.

    An in-line water quality measurement device (e.g., flow-through cell) should be used to establish the stabilization time for several field parameters on a well-specific basis. Data on pumping rate, drawdown, and volume required for parameter stabilization can be used as a guide for conducting subsequent sampling activities.

16. Collect all project-required samples from the discharge tubing at the flow rate established during purging in accordance with Roux's Groundwater Sample Collection Procedures FOP. **A peristaltic pump and dedicated tubing cannot be used to collect VOC or SVOC project-required samples; only non-organic compounds may be collected using this type of pump.** Continue to maintain a constant flow rate such that the water level is not drawn down as described above. Fill sample containers with minimal turbulence by allowing the ground water to flow from the tubing along the inside walls of the container.

17. If field filtration is recommended as a result of increased turbidity greater than 50 NTU, an in-line filter equipped with a 0.45-micron filter should be utilized. Collection of a filtered sample must be accompanied by an unfiltered sample.

18. Replace the dedicated tubing down the well taking care to avoid contact with the ground surface.

19. Restore the well to its capped/covered and locked condition.

20. Upon purge and sample collection completion, slowly lower the e-line to the bottom of the well/piezometer. Record the total depth to the nearest 0.01-

foot and compare to the previous total depth measurement. If a significant discrepancy exists, re-measure the total depth. Record observations of purge water to determine whether the well/piezometer had become silted due to inactivity or damaged (i.e., well sand within purge water). Upon confirmation of the new total depth and determination of the cause (i.e., siltation or damage), notify the Project Manager following project field activities.

ATTACHMENTS

Groundwater Field Form (sample)

REFERENCES

United States Environmental Protection Agency, 540/S-95/504, 1995. *Low-Flow (Minimal Drawdown) Ground-Water Sampling Procedures*.

Roux FOPs:

007 Calibration and Maintenance of Portable Dissolved Oxygen Meter
008 Calibration and Maintenance of Portable Field pH/Eh Meter
009 Calibration and Maintenance of Portable Field Turbidity Meter
011 Calibration and Maintenance of Portable Photoionization Detector
012 Calibration and Maintenance of Portable Specific Conductance Meter
022 Groundwater Level Measurement
024 Groundwater Sample Collection Procedures
040 Non-Disposable and Non-Dedicated Sampling Equipment Decontamination
046 Sample Labeling, Storage and Shipment Procedures

FOP 031.2

LOW FLOW (MINIMAL DRAWDOWN) GROUNDWATER PURGING & SAMPLING PROCEDURES

GROUNDWATER FIELD FORM

Project Name: Date:

Location: Project No.: Field Team:

Well No.			Diameter (inches):			Sample Time:			
Product Depth (fbTOR):			Water Column (ft):			DTW when sampled:			
DTW (static) (fbTOR):			Casing Volume:			Purpose: ☐ Development ☐ Sample			
Total Depth (fbTOR):			Purge Volume (gal):			Purge Method:			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0 Initial								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:			Date: (if different from above)						
	S1								
	S2								

Well No.			Diameter (inches):			Sample Time:			
Product Depth (fbTOR):			Water Column (ft):			DTW when sampled:			
DTW (static) (fbTOR):			Casing Volume:			Purpose: ☐ Development ☐ Sample			
Total Depth (fbTOR):			Purge Volume (gal):			Purge Method:			
Time	Water Level (fbTOR)	Acc. Volume (gallons)	pH (units)	Temp. (deg. C)	SC (uS)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor
	0 Initial								
	1								
	2								
	3								
	4								
	5								
	6								
	7								
	8								
	9								
	10								
Sample Information:			Date: (if different from above)						
	S1								
	S2								

SAMPLE

REMARKS:

Note: All water level measurements are in feet, distance from top of riser.

Volume Calculation

Diam.	Vol. (g/ft)
1"	0.041
2"	0.163
4"	0.653
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	± 0.1 unit
SC	± 3%
Turbidity	± 10%
DO	± 0.3 mg/L
ORP	± 10 mV

PREPARED BY:

ROUX

FIELD OPERATING PROCEDURES

Management of Investigative-Derived Waste (IDW)

FOP 032.1

MANAGEMENT OF INVESTIGATION-DERIVED WASTE (IDW)

PURPOSE

The purpose of these guidelines is to ensure the proper holding, storage, transportation, and disposal of materials generated from field investigation activities that may contain hazardous wastes. Investigation-derived waste (IDW) includes the following:

- Drill cuttings, discarded soil samples, drilling mud solids, and used sample containers.
- Well development and purge waters and discarded groundwater samples.
- Decontamination waters and associated solids.
- Soiled disposable personal protective equipment (PPE).
- Used disposable sampling equipment.
- Used plastic sheeting and aluminum foil.
- Other equipment or materials that either contain or have been in contact with potentially impacted environmental media.

Because these materials may contain regulated chemical constituents, they must be managed as a solid waste. This management may be terminated if characterization analytical results indicate the absence of these constituents.

PROCEDURE

1. Contain all investigation-derived wastes in Department of Transportation (DOT)-approved 55-gallon drums, roll-off boxes, or other containers suitable for the wastes.

2. Contain wastes from separate borings or wells in separate containers (i.e. do not combine wastes from several borings/wells in a single container, unless it is a container used specifically for transfer purposes, or unless specific permission to do so has been provided by the Roux Field Team Leader. Unused samples from surface sample locations within a given area may be combined.

3. To the extent practicable, separate solids from drilling muds, decontamination waters, and similar liquids. Place solids within separate containers.

4. Transfer all waste containers to a staging area. Access to this area will be controlled. Waste containers must be transferred to the staging area as soon as practicable after the generating activity is complete.

5. Pending transfer, all containers will be covered and secured when not immediately attended.

6. Label all containers with regard to contents, origin, date of generation, using Roux's IDW container label (sample attached). Use indelible ink for all labeling.

7. Complete the Investigative Derived Waste Container Log (sample attached) as waste containers are labeled in order to track and inventory project waste. Leave a copy of the log with the site manager or fax copy to the owner/operator as necessary.

8. Collect samples for waste characterization purposes, or use boring/well sample analytical data for characterization.

9. For wastes determined to be hazardous in character, **be aware of accumulation time limitations**. Coordinate the disposal of these wastes with the plant manager/owner/operator, if applicable.

10. Upon Property Owner, Project Manager, and/or NYSDEC Project Manager approval, dispose of investigation-derived wastes as follows:

- Soil, water, and other environmental media for which analysis does not detect organic constituents, and for which inorganic constituents are at levels that meet the Site's cleanup objectives, may be spread on the Property or otherwise treated as a non-waste material. Disposal quantity and on-site location will be documented on Project Field Books and in the project report submittal.

- Soil, water, and other environmental media in which organic compounds are detected or metals are present above the Site's cleanup objectives will be disposed off-site in accordance with applicable state and federal regulations. Disposal quantity and off-site location will be documented on Project Field Books and in the project report submittal.

- Personal protective equipment, disposable bailers, and similar equipment may be disposed as municipal waste, unless waste characterization results mandate otherwise.

WASTE STORAGE MANAGEMENT

Hazardous materials generated on site should be temporarily stored in a secure location that is under the control of the owner/operator or does not allow for vandalism (i.e., within a locked building structure or within a locked fenced in area). A waste-staging area should be designated on-site by the Project Manager in conjunction with the owner/operator.

ATTACHMENTS

Investigation Derived Waste Container Log (sample)
Investigation Derived Waste Container Label (sample)

REFERENCES

None

MANAGEMENT OF INVESTIGATION-DERIVED WASTE (IDW)

INVESTIGATION DERIVED WASTE CO

Project Name: Location:

Project Number: Personnel:

Container		Contents	Date		Staging Location	Date Sampled	Co
Number	Description		Started	Ended			

SAMPLE

Prepared By:

Signed:

IDW Container Label (sample):

Project Name:
Project Number:

Container I.D.:
Contents/Matrix:
Estimated Quantity:
Date of Generation:
Date of Sample Collection:

Contact Name:
Contact Phone Number:

ROUX

FIELD OPERATING PROCEDURES

Monitoring Well Construction for Hollow Stem Auger Boreholes

FOP 033.0

MONITORING WELL CONSTRUCTION FOR HOLLOW STEM AUGER BOREHOLES

PURPOSE

Wells will be installed within selected boreholes for the purpose of evaluating groundwater characteristics. Well installation procedures depend upon the drilling method. This procedure describes well construction and installation for boreholes drilled using the hollow stem auger method. Refer to the Roux's Hollow Stem Auger Drilling Procedures FOP. Nominal dimensions and materials for the well are shown in the attached well construction diagram.

PROCEDURE

1. Advance borehole in accordance with the Roux's Hollow Stem Auger Drilling Procedure FOP to the required depth. The nominal inside diameter (ID) of the auger stem used should be at least 2 inches larger than the outside diameter (OD) of the riser and screen selected for the well installation. Record the monitoring well construction on the Field Borehole/Monitoring Well Installation Log (sample attached) (see Documentation Requirements for Drilling and Well Installation FOP).

2. Remove the drill rods and center bit/plug from the auger stem and verify borehole depth using weighted measuring tape.

3. In the event of an over drill (i.e. borehole depth is more than one foot greater than desired base of screen depth), use bentonite chips poured through the auger stem to seal the over drilled portion of the borehole. Be sure to note bentonite chip thickness on Field Borehole/Monitoring Well Installation Log.

4. Add a maximum of 6 inches of filter pack material through the auger stem to the base of the borehole. (Note: This step may be avoided if dense non-aqueous phase liquids are suspected to be present and it is desirable to have the screen and/or sump at the base of the borehole.)

5. Measure the length of the well string (i.e. riser and screen), and lower the well string into the well assembly to the desired depth. All measurements during the well installation process will be accurate to 0.1 foot.

6. Surface pour filter pack material into the annulus between the well and the auger stem as the augers are gradually withdrawn from the borehole. Use a weighted tape to confirm that the level of sand is maintained within the augers at all times. Record material volumes used.

7. After filter pack materials are brought to the required level, surface pour bentonite chips or pellets into the annulus between the well and the auger stem to form the filter pack seal. If necessary to avoid bridging, delayed hydration (coated) pellets may be used. Record the volume of material used.

8. Allow the bentonite chips/pellets to adequately hydrate for approximately 30 to 45-minutes. Cap or cover the well top of riser.

9. Mix cement/bentonite grout to a smooth consistency using a centrifugal or reciprocating pump. Do not hand mix. All water used must be potable quality. Record the volume of water used.

10. Fill the remaining annulus between the well and the auger stem with grout by surface pouring or pumping, and begin withdrawal of the auger string. Periodically top the auger string off with additional grout. If groundwater is present within the annulus above the bentonite chip/pellet seal, cement/bentonite grout will be pressure tremie grouted from bottom to top in order to displace groundwater from the borehole.

11. When the auger string is withdrawn, center the upper portion of the well riser within the borehole, and place drums or barricades around the well for protection while the grout cures. Place and lock a security cap (i.e., J-plug) in the opening of the well riser.

12. Leave the well undisturbed for at least 24 hours to allow the grout to cure. If excessive grout fallback occurs, top off as necessary with bentonite chips or additional grout.

13. Construct the surface completion as shown in the attached Typical Monitoring Well Detail (Figure 1). Select flush completions for all locations in active operational or high traffic areas, or in other areas where an above grade completion would be undesirable. Use aboveground completions in all other areas.

14. Place a dedicated lock on the well or protective casing, and keep well locked when not actively attended.

15. Permanently label the well with the appropriate well identifier as determined by the Project Manager or specified in the Work Plan.

16. Permanently mark a survey location on the north side at the top of the casing with a saw cut. Survey all wells for horizontal location and elevation, using a surveyor licensed by the State of New York. Coordinates and elevations will be provided in a coordinate system consistent with previous well surveys at the Site. Information obtained will include location (*x* and *y*) of the well, and elevation (*z*) of the ground surface, the pad, and the top of riser.

17. Develop the well as described in the Roux Field Operating Procedure for Monitoring Well Development.

18. Manage all waste materials generated during well installation and development as described in the Roux Field Operating Procedure for Management of Investigation Derived Waste.

ATTACHMENTS

Field Borehole/Monitoring Well Installation Log (sample)
Typical Monitoring Well Detail (Figure 1)

REFERENCES

Roux FOPs:

015 *Documentation Requirements for Drilling and Well Installation*
026 *Hollow Stem Auger Drilling Procedures*
032 *Management of Investigation Derived Waste*
036 *Monitoring Well Development Procedures*

FOP 033.0

MONITORING WELL CONSTRUCTION FOR HOLLOW STEM AUGER BOREHOLES

FIELD BOREHOLE/MONITORING WELL INSTALLATION LOG

PROJECT:			**Log of Well No.:**	
BORING LOCATION:			ELEVATION AND DATUM:	
DRILLING CONTRACTOR:			DATE STARTED:	DATE FINISHED:
DRILLING METHOD:			TOTAL DEPTH:	SCREEN INTERVAL:
DRILLING EQUIPMENT:			DEPTH TO WATER: FIRST: / COMPL.:	CASING:
SAMPLING METHOD:			LOGGED BY:	
HAMMER WEIGHT:	DROP:		RESPONSIBLE PROFESSIONAL:	REG. NO.

Depth (fbgs)	SAMPLES: Sample No.	Sample	Blows (per 6")	SPT N-Value	Recovery	PID Scan (ppm)	SAMPLE DESCRIPTION USCS Classification: Color, Moisture Condition, % of Soil Type, Plasti... Fabric, Bedding, Weathering/Fracturing, Odor, Oth... SURFACE ELEVATION (FMSL):	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS

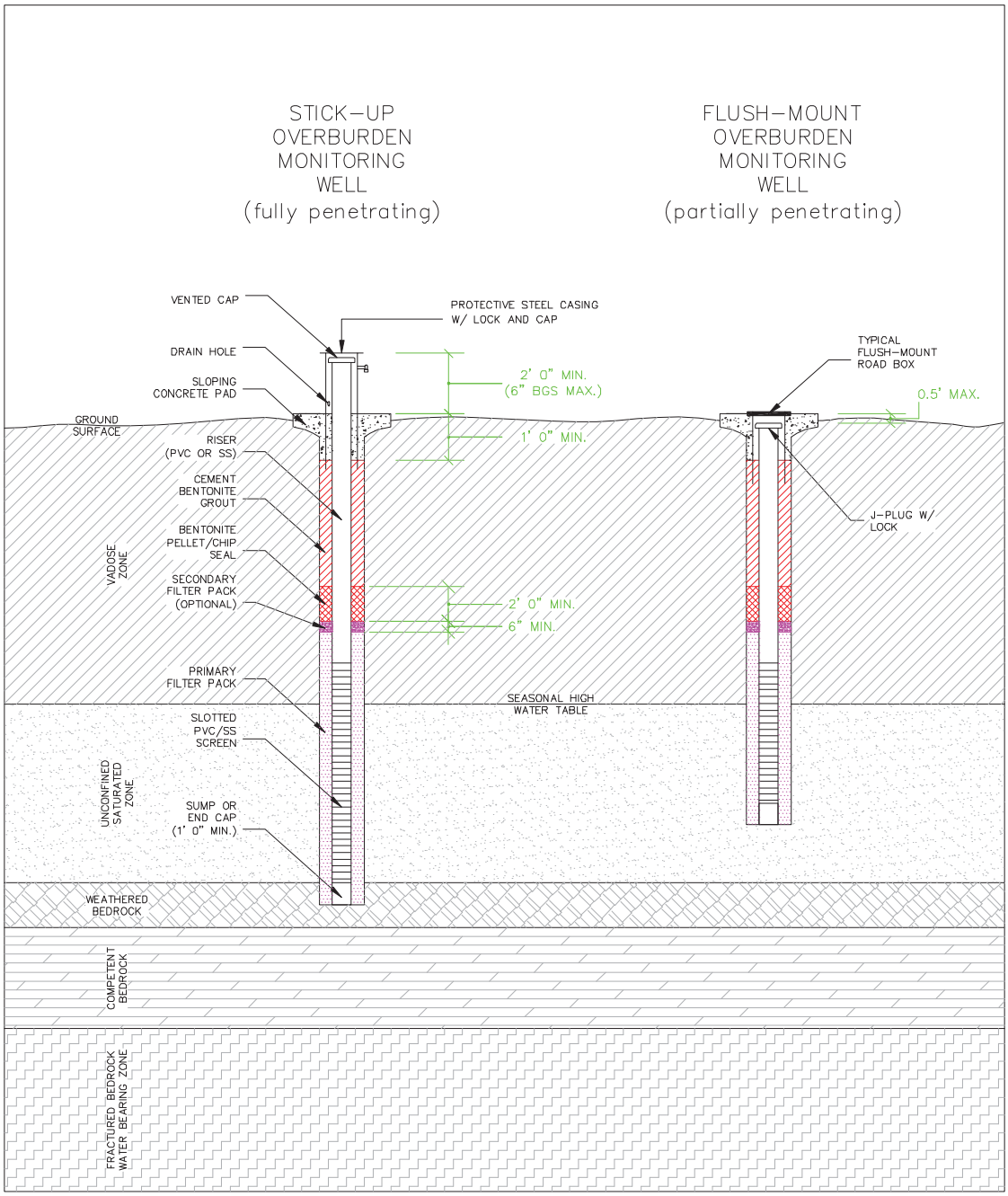
SAMPLE

Project No:		Figure

FOP 033.0

MONITORING WELL CONSTRUCTION FOR HOLLOW STEM AUGER BOREHOLES

FIGURE 1



ROUX

FIELD OPERATING PROCEDURES

Monitoring Well Development Procedures

FOP 036.0

MONITORING WELL DEVELOPMENT PROCEDURES

PURPOSE

This procedure describes the methods for the development of newly installed monitoring wells and re-development of existing monitoring wells that have been inactive for an extended period of time (i.e., one year or more). Monitoring wells are developed after installation in order to remove introduced water and drilling fluids, reduce the turbidity of the water, and improve the hydraulic communication between the well and the water-bearing formation. Well development will not commence until the annular grout seal has cured, but will be performed within ten calendar days of well installation.

PROCEDURE

1. All well development will include surge blocking or false bailing with one or more of the following fluid removal methods. Well development activities may include:

    - Bailing
    - Air Lifting
    - Submersible Pumping
    - Other methods as approved by the Roux Field Team Leader.
    - The appropriate water removal method will be selected based on water level depth and anticipated well productivity.

2. Assemble and decontaminate equipment (if necessary), and place in the well. Reference the Roux Field Operating Procedure for Non-Disposable and Non-Dedicated Sampling Equipment Decontamination.

3. Alternate the use of agitation methods with water removal methods, using the former to suspend solids in the well water, and the latter to remove the turbid water. For example, use a vented surge block to agitate the well, moving up and down within the screened interval and then use a pump to clear the well. A bailer may be used for both purposes, by surging with the bailer (false

bailing) for a period within the screened interval, then bailing a volume of water from the well.

4. When using surging methods, initiate this activity gradually, with short (2 to 3 feet) strokes. After several passes across the screened interval, increase the speed and length of the surge strokes.

5. Continue development until the following objectives are achieved:

   - Field parameters stabilize to the following criteria:
     - Dissolved Oxygen: ± 0.3 mg/L
     - Turbidity: ± 10%
     - Specific Conductance: ± 3%
     - ORP: ± 10 mV
     - pH: ± 0.1 units
   - The well will generate non-turbid water during continued pumping typically less than 50 NTU.
   - A minimum of 10 well volumes has been evacuated from the well.
   - In the case of lost water during drilling activities, the volume of water removed exceeds twice the volume of water lost to the formation during the drilling process, as indicated by the water balance.

6. Document the development methods, volumes, field parameter measurements, and other observations on the attached Groundwater Well Development Log (sample attached). Roux

ATTACHMENTS

Groundwater Well Development Log (sample)

REFERENCES

Roux FOPs:

040 Non-Disposable and Non-Dedicated Sampling Equipment Decontamination

MONITORING WELL DEVELOPMENT PROCEDURES

GROUNDWATER WELL DEVELOPMENT LOG

Project Name:	WELL NUMBER:
Project Number:	Sample Matrix:
Client:	Weather:

WELL DATA: DATE: TIME:

Casing Diameter (inches):	Casing Material:
Screened interval (fbTOR):	Screen Material:
Static Water Level (fbTOR):	Bottom Depth (fbTOR):
Elevation Top of Well Riser (fmsl):	Datum Ground Surface: Mean Sea Level
Elevation Top of Screen (fmsl):	Stick-up (feet):

PURGING DATA: DATE: START TIME: END TIME:

VOLUME CALCULATION:

(A) Total Depth of Well (fbTOR):	
(B) Casing Diameter (inches):	
(C) Static Water Level (fbTOR):	
One Well Volume (V, gallons): V = 0.0408 [$(B)^2$ x { (A) - (C) }]	

*Use the table to the right to calculate one well volum

Volume Calculation

Well Diameter	Volume gal/ft
	.041
3"	0.
"	0.653
	1.020
6	1.469
8"	2.611

Stabilization Criteria

er	Criteria
DO	+/- 0.3 mg/L
Turbidity	+/- 10%
SC	+/- 3%
ORP	+/- 10 mV
pH	+/- 0.1 unit

Field Personnel:

EVACUATION STABILI TION A:

Time	Water Level (fbTOR)	Accumulated Volume		Tempe rees	Co tance S/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance & Odor

REMARKS:

PREPARED BY:

SAMPLE

ROUX

FIELD OPERATING PROCEDURES

Non-Aqueous Phase Liquid (NAPL) Detection and Sample Collection Procedure

FOP 039.1

NON-AQUEOUS PHASE LIQUID DETECTION AND SAMPLE COLLECTION PROCEDURE

PURPOSE

This procedure describes the methods to detect the presence and sample collection of Non-Aqueous Phase Liquid (NAPL) in groundwater monitoring wells prior to purging activities. If NAPL is suspected, all activities should be performed with proper personnel protective equipment (PPE).

DETECTION PROCEDURE

Groundwater monitoring wells suspected of containing NAPL will be sounded with an interface probe, or similar device, in accordance with the following.

1. Inspect the well/piezometer for signs of vandalism or damage and record condition on the Groundwater Field Form (sample attached). Specifically, inspect the integrity of the following: concrete surface seal, lock, protective casing and well cover, well casing and J-plug/cap. Report any irregular findings to the Project Manager.

2. Unlock and remove the well protective cap or cover and place on clean plastic to avoid introducing foreign material into the well.

3. Calibrate the photoionization detector (PID) in accordance with the Roux Field Operating Procedure for Calibration and Maintenance of Portable Photoionization Detector.

4. Monitor the well for organic vapors using a PID, as per the Work Plan. If a reading of greater than 5 ppm is recorded, the well should be allowed to vent until levels drop below 5 ppm before proceeding with purging. Record PID measurements on the Groundwater Field Form (sample attached).

5. Slowly lower the interface probe down the well, avoiding contact with the well casing. Upon contact with the static liquid level in the well, the interface

probe will signal contact with an audible tone and/or a visible light mounted inside the reel.

Note:

- If the signal is constant, the probe is in contact with groundwater; and
- If the signal oscillates, the probe is in contact with NAPL.

6. Record the depth, type of liquid encountered (if applicable) and any other related information in the Project Field Book and on a Groundwater Field Form (sample attached).

7. Slowly lower the interface probe to the well bottom. Record the depth(s) and type(s) of any additional phases encountered.

8. Slowly raise the interface probe to the surface, avoiding contact with the well casing.

9. Place the interface probe and storage reel in a plastic bag for subsequent decontamination in accordance with the Roux's Field Operating Procedure for Non-Disposable and Non-Dedicated Sampling Equipment Decontamination.

SAMPLE COLLECTION PROCEDURE

All NAPL samples collected from groundwater monitoring wells will be collected in accordance with the following.

1. Place plastic sheeting on the ground around the well to prevent equipment from coming in contact with soil and also to prevent the surface transmission of NAPL.

2. All sampling personnel will don the appropriate PPE in accordance with the site health and safety plan.

3. Measure the static water level and NAPL level(s) using an interface probe as described in the previous section.

4. Determine depth to NAPL layer and thickness. Record appropriate data in the Project Field Book and on a Groundwater Sample Collection Log form (sample attached).

DNAPL SAMPLE COLLECTION

The following procedure should be used in sampling dense, heavier than water NAPL (i.e., with a high specific gravity) (DNAPL).

1. Collect samples using a translucent double check valve bailer (i.e., a bailer with a ball valve on both the top and bottom) constructed of Teflon, polyethylene or PVC which is connected to polypropylene rope for lowering into the well. All non-dedicated equipment shall be decontaminated in accordance with the Roux Field Operating Procedure for Non-Disposable and Non-Dedicated Sampling Equipment Decontamination.

2. Remove wrapping (i.e., aluminum foil, manufacturers packaging etc.), attach bailer to new polypropylene rope and slowly lower the bailer until it contacts the well bottom.

3. Slowly raise and lower the bailer to create a gentle surging action thereby inducing DNAPL into the bailer past the bottom ball valve.

4. Slowly raise the bailer to the surface. Avoid contact of the bailer line with the well casing and/or ground surface.

5. Observe the DNAPL through the translucent wall of the bailer and check if the immiscible phases have separated. If not, allow the bailer to stand upright until the phases have separated.

6. Carefully attach a bottom-emptying device with stopcock to the bottom of the bailer and discharge the DNAPL gently down the side of the sample bottle to minimize turbulence.

7. Repeat steps 2 through 6 until a sufficient sample volume is obtained.

8. Cap the sample bottle and label, preserve and ship samples in accordance with the Roux Field Operating Procedure for Sample Labeling, Storage and Shipment Procedures.

9. Place the used plastic sheeting, bailer and polyethylene rope in a plastic bag for subsequent decontamination or disposal.

10. Document the sampling procedures and related information in the Project Field Book and on a Groundwater Sample Collection Log form (sample attached).

LNAPL SAMPLE COLLECTION

The following procedure should be used in sampling lighter than water NAPL (i.e., with a low specific gravity) (LNAPL).

1. Collect samples using a translucent double check valve bailer (i.e., a bailer with a ball valve on both the top and bottom) constructed of Teflon, polyethylene or PVC which is connected to polypropylene rope for lowering into the well. All non-dedicated equipment shall be decontaminated in accordance with the Roux Field Operating Procedure for Non-Disposable and Non-Dedicated Sampling Equipment Decontamination.

2. Remove wrapping (i.e., aluminum foil, manufacturers packaging etc.), attach bailer to new polypropylene rope and slowly lower the bailer down the well into the immiscible phase of LNAPL. Care should be taken to lower the bailer just through the LNAPL layer, but not significantly down into the underlying groundwater.

3. Slowly raise the bailer to the surface. Avoid contact of the bailer line with the well casing and/or ground surface.

4. Observe the LNAPL through the translucent wall of the bailer and check if the immiscible phases have separated. If not, allow the bailer to stand upright until the phases have separated.

5. Carefully attach a bottom-emptying device with stopcock to the bottom of the bailer and decant the denser groundwater portion of the bailer contents into a DOT-approved 55-gallon drum for proper disposal.

6. Discharge the LNAPL gently down the side of the sample bottle to minimize turbulence.

7. Repeat steps 2 through 6 until a sufficient sample volume is obtained.

8. Cap the sample bottle and label, preserve and ship samples in accordance with the Roux Field Operating Procedure for Sample Labeling, Storage and Shipment Procedures.

9. Place the used plastic sheeting, bailer and polyethylene rope in a plastic bag for subsequent decontamination or disposal.

10. Document the sampling procedures and related information in the Project Field Book and on a Groundwater Sample Collection Log form (sample attached).

ATTACHMENTS

Groundwater Well Purge & Sample Collection Log (sample)

REFERENCES

Roux FOPs:

010 *Calibration and Maintenance of Portable Flame Ionization Detector*
011 *Calibration and Maintenance of Portable Photoionization Detector*
040 *Non-Disposable and Non-Dedicated Sampling Equipment Decontamination*
046 *Sample Labeling, Storage and Shipment Procedures*

FOP 039.1

NON-AQUEOUS PHASE LIQUID DETECTION AND SAMPLE COLLECTION PROCEDURE

GROUNDWATER WE
PURGE & SAMPLE COLLECTION L

Project Name:	WELL NUMBER:
Project Number:	Sample Matrix:
Client:	Weather:

WELL DATA: DATE: TIME:

Casing Diameter (inches):	Casing Material:
Screened interval (fbTOR):	Screen Material:
Static Water Level (fbTOR):	Bottom Depth (fbTOR):
Elevation Top of Well Riser (fmsl):	Ground Surface Elevation (fmsl):
Elevation Top of Screen (fmsl):	Stick-up (feet):

PURGING DATA: DATE: START TIME: END TIME:

Method:	Is purge equipement dedicated to sample location? yes
No. of Well Volumes Purged:	Was well purged to dryness? yes
Standing Volume (gallons):	Was well purged below top of sand pack? yes
Volume Purged (gallons):	Condition of Well:
Purge Rate (gal/min):	Field Personnel:

VOLUME CALCULATION:

(A) Total Depth of Well (fbTOR):	
(B) Casing Diameter (inches):	
(C) Static Water Level (fbTOR):	
One Well Volume (V, gallons): $V = 0.0408 [(B)^2 \times \{ (A) - (C) \}]$	

* Use the table to the right to calculate one well volume by subtracting C from A, then multiplying by the volume calculation in the table per well diamter

Volume Calculation

Well Diameter	Volume gal/ft
1"	0.041
2"	0.163
3"	0.367
4"	0.653
5"	1.020
6"	1.469

Stabilization Criteria

Parameter	Criteria
pH	+/- 0.1 un
SC	+/- 3%
Turbidity	+/- 10%
DO	+/- 0.3 m
ORP	+/- 10 mV

EVACUATION STABILIZATION TEST DATA:

Time	Water Level (fbTOR)	Accumulated Volume (gallons)	pH (units)	Temperature (degrees C)	Specific Conductance (uS/cm)	Turbidity (NTU)	DO (mg/L)	ORP (mV)	Appearance Odor
		initial							

SAMPLING DATA: DATE: START TIME: END TIME:

Method:	Is sampling equipement dedicated to sample location? yes
Initial Water Level (fbTOR):	Was well sampled to dryness? yes
Final Water Level (fbTOR):	Was well sampled below top of sand pack? yes
Air Temperature (°F):	Field Personnel:
Source and type of water used in the field for QC purposes:	

PHYSICAL & CHEMICAL DATA:

DESCRIPTION OF WATER SAMPLE		
Odor		
Color		
NAPL		
Contains Sediment?	yes	no

WATER QUALITY MEASUREMENTS							
Sample	Time	pH (units)	TEMP. (°C)	SC (uS)	TURB. (NTU)	DO (ppm)	ORP (mV)
initial							
final							

REMARKS:

PREPARED BY:

SAMPLE

ROUX

FIELD OPERATING PROCEDURES

Non-Disposable and Non-Dedicated Sampling Equipment Decontamination

FOP 040.1

NON-DISPOSABLE AND NON-DEDICATED SAMPLING EQUIPMENT DECONTAMINATION

PURPOSE

This procedure is to be used for the decontamination of non-disposable and non-dedicated equipment used in the collection of environmental samples. The purpose of this procedure is to remove chemical constituents from previous samples from the sampling equipment. This prevents these constituents from being transferred to later samples, or being transported out of controlled areas.

HEALTH AND SAFETY

Nitric acid is a strong oxidizing agent as well as being extremely corrosive to the skin and eyes. Solvents such as acetone, methanol, hexane and isopropanol are flammable liquids. Limited contact with skin can cause irritation, while prolonged contact may result in dermatitis. Eye contact with the solvents may cause irritation or temporary corneal damage. Safety glasses with protective side shields, neoprene or nitrile gloves and long-sleeve protective clothing must be worn whenever acids and solvents are being used.

PROCEDURE – GENERAL EQUIPMENT

Bailers, split-spoons, steel or brass split-spoon liners, Shelby tubes, submersible pumps, soil sampling knives, and similar equipment will be decontaminated as described below.

1. Wash equipment thoroughly with non-phosphate detergent and potable-quality water, using a brush where possible to remove any particulate matter or surface film. If the sampler is visibly coated with tars or other phase-separated hydrocarbons, pre-wash with acetone or isopropanol, or by steam cleaning. Decontamination will adhere to the following procedure:

a. Rinse with potable-quality water; if the sampling equipment is very oily and use of a solvent is necessary, rinse with pesticide-grade isopropanol.

b. Rinse with potable-quality water;

c. Rinse with deionized water demonstrated analyte-free, such as distilled water;

d. Air dry; and

e. Store in a clean area or wrap in aluminum foil (shiny side out) or new plastic sheeting as necessary to ensure cleanliness.

2. All non-dedicated well evacuation equipment, such as submersible pumps and bailers, which are put into the well, must be decontaminated following the procedures listed above. All evacuation tubing must be dedicated to individual wells (i.e., tubing cannot be reused). However, if submersible pump discharge tubing must be reused, the tubing and associated sample valves or flow-through cells used in well purging or pumping tests will be decontaminated as described below:

a. Pump a mixture of potable water and a non-phosphate detergent through the tubing, sample valves and flow cells, using the submersible pump.

b. Steam clean or detergent wash the exterior of the tubing, sample valves, flow cells and pump.

c. Pump potable water through the tubing, sample valve, and flow cell until no indications of detergent (e.g. foaming) are observed.

d. Double rinse the exterior of the tubing with potable water.

e. Rinse the exterior of the tubing with distilled water.

f. Store in a clean area or wrap the pump and tubing assembly in new plastic sheeting as necessary to ensure cleanliness until ready for use.

3. All unused sample bottles and sampling equipment must be maintained in such a manner that there is no possibility of casual contamination.

4. Manage all waste materials generated during decontamination procedures as described in the Roux Field Operating Procedure for Management of Investigation Derived Waste.

PROCEDURE – SUBMERSIBLE PUMPS

Submersible pumps used in well purging or purging tests will be decontaminated thoroughly each day before use as well as between well locations as described below:

Daily Decontamination Procedure:

1. Pre-rinse: Operate the pump in a basin containing 8 to 10 gallons of potable water for 5 minutes and flush other equipment with potable water for 5 minutes.

2. Wash: Operate the pump in 8 to 10 gallons of non-phosphate detergent solution (i.e., Alconox) for 5 minutes and flush other equipment with fresh detergent solution for 5 minutes.

3. Rinse: Operate the pump in a basin of potable water for 5 minutes and flush other equipment with potable water for 5 minutes.

4. Disassemble pump.

5. Wash pump parts with a non-phosphate detergent solution (i.e., Alconox). Scrub all pump parts with a test tube brush or similar device.

6. Rinse pump with potable water.

7. Rinse the inlet screen, the shaft, the suction interconnection, the motor lead assembly, and the stator housing with distilled/deionized water.

8. Rinse the impeller assembly with 1% nitric acid (HNO_3).

9. Rinse the impeller assembly with isopropanol.

10. Rinse the impeller assembly with distilled/deionized water.

Between Wells Decontamination Procedure:

1. Pre-rinse: Operate the pump in a basin containing 8 to 10 gallons of potable water for 5 minutes.

2. Wash: Operate the pump in 8 to 10 gallons of non-phosphate detergent solution (i.e., Alconox) for 5 minutes.

3. Rinse: Operate the pump in a basin of potable water for 5 minutes.

4. Final rinse the pump in distilled/deionized water.

ATTACHMENTS

None

REFERENCES

Roux FOPs:

032 Management of Investigation-Derived Waste

ROUX

FIELD OPERATING PROCEDURES

Overburden Casing Installation Procedure

FOP 041.0

OVERBURDEN CASING INSTALLATION PRCEDURES

PURPOSE

This guideline presents a method for the installation of casing to prevent downhole contamination of hazardous compounds from shallow overburden material. This method is particularly applicable where contaminated strata overlie uncontaminated strata of lower permeability. The method can be used with hollow stem auger drilling or rotary wash drilling (where temporary casing is used). This guideline also presents a method for the evaluation of the integrity of the grout seal around an overburden casing, which has been positioned into a confining layer.

CASING INSTALLATION PROCEDURE

1. Advance boring by appropriate drilling methods, through the contaminated strata a short distance (1 to 2 feet) into an underlying lower permeable unit.

2. Calculate the volume of the borehole base on the bit/auger head or steel casing diameter plus 10% and determine the volume of grout to be emplaced. Generally, the total mixed volume is the borehole volume plus 20%.

3. Identify the equipment to be used for the preparation and mixing of the grout. Ensure the volume of the tanks to be used for mixing has been measured adequately. Document these volumes on the Field Borehole/Monitoring Well Installation Log (sample attached).

4. Identify the source of the water to be used for the grout and determine its suitability for use. In particular, water with high sulfate, or chloride levels or heated water should not be used. These types of waters can cause operational difficulties or modify the set-up for the grout.

5. Identify the equipment to be used for emplacing the grout. Ensure that the pump to be used has adequate pressure to enable complete return to surface.

6. Identify the volumes to be pumped at each stage or in total if only one stage is to be used.

7. Begin mixing the grout to be emplaced. Grout specifications generally have mixture ratios as follows:

Grout Slurry Composition (% Weight)		
1.5 to 3.0%	-	Bentonite (Quick Gel)
40 to 60 %	-	Cement (Portland Type I)
40 to 60 %	-	Potable Water

8. Record the type and amount of materials used during the mixing operation. Ensure the ratios are within specifications tolerance.

9. Begin pumping the grout through the return line bypass system to confirm all pump and surface fittings are secure.

10. Remove drill rods and center plug (or clean out temporary casing) and insert a tremie pipe to the bottom of the boring. Pump the cement/bentonite grout slurry through the tremie pipe until grout return is observed at grade and no bridging of the slurry is evident. Slowly withdraw the augers (or casing) from the boring while maintaining the grout level at grade. Record the times and volumes emplaced on the Field Borehole/Monitoring Well Installation Log (sample attached).

11. Document the return circulation of grout. This may be facilitated by using a colored dye or other tagging method if a mudded borehole condition exists prior to grout injection.

12. Place a drillable plug (preferably untreated wood) at the downhole end of black steel or other appropriate casing, insert the casing through the slurry, and seat it into the underlying formation.

13. Allow grout to set for 24 to 48 hours.

HYDROSTATIC TESTING OF CASING PROCEDURE

1. Following adequate setting time for the grout, drill through the grout inside the casing until the top of the confining layer has been reached (refer to Field Borehole/Monitoring Well Installation Log during casing installation).

2. Fill the casing with potable water and measure the water level within the casing with a water level indicator to the nearest 0.01-foot and record the measurement on the Pipe Leakage Testing Log (sample attached).

3. Monitor the water level for 30 minutes and record the final water level within the casing with a water level indicator to the nearest 0.01-foot and record the measurement on the Pipe Leakage Testing Log (sample attached).

4. Should the water level drop more than the allowable volume calculated using the following equation, the seal shall be regrouted at the Subcontractor's expense.

$$Q_{(allowable)} = 2.75\ DKH$$

Where:
$Q_{(allowable)}$ = Flow rate during a 30 minute test
D = Inside diameter of overburden casing
K = Confining layer hydraulic conductivity (see Table 1)
H = Head of water applied

Note: Be sure to use consistent units of measure.

ATTACHMENTS

Field Borehole/Monitoring Well Installation Log (sample)
Pipe Leakage Testing Log (sample)

Table 1 – Range of Values of Hydraulic Conductivity and Permeability

REFERENCES

Freeze, R.A. and J.A. Cherry. 1979. *Groundwater*. Prentice-Hall, Inc., Englewood, New Jersey, 604 p.

Roux FOPs:

018 Drilling and Excavation Equipment Decontamination Protocols

FIELD BOREHOLE/MONITORING WELL INSTALLATION LOG

PROJECT:		**Log of Well No.:**		
BORING LOCATION:		ELEVATION AND DATUM:		
DRILLING CONTRACTOR:		DATE STARTED:		DATE FINISHED:
DRILLING METHOD:		TOTAL DEPTH:		SCREEN INTERVAL:
DRILLING EQUIPMENT:		DEPTH TO WATER:	FIRST: / COMPL.:	CASING:
SAMPLING METHOD:		LOGGED BY:		
HAMMER WEIGHT:	DROP:	RESPONSIBLE PROFESSIONAL:		REG. NO.

Depth (fbgs)	SAMPLES: Sample No.	Sample	Blows (per 6")	SPT N-Value	Recovery	PID Scan (ppm)	SAMPLE DESCRIPTION USCS Classification: Color, Moisture Condition, % of Soil Type, T… Fabric, Bedding, Weathering/Fracturing, Odor, Other SURFACE ELEVATION (FMSL):	WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS

SAMPLE

Project No:		Figure

PIPE LEAKAGE TESTING LOG

Project: Location:

Client: Date:

Job No: BM Personnel:

Location Description	Test Procedure (Air or Hydrostatic)	QC Initials	Readings				Elapsed Time (minutes)	Change in Pressure/ Water Level (psi/fbMP)	Pass/Fail	Passing Retest Date	Comments/Notes
			Start		End						
			Pressure or Water Level	Time	Pressure or Water Level	Time					

SAMPLE

Prepared By: Date:

TABLE 1: (From Freeze and Cherry, page 29.)

Table 2.2 Range of Values of Hydraulic Conductivity and Permeability

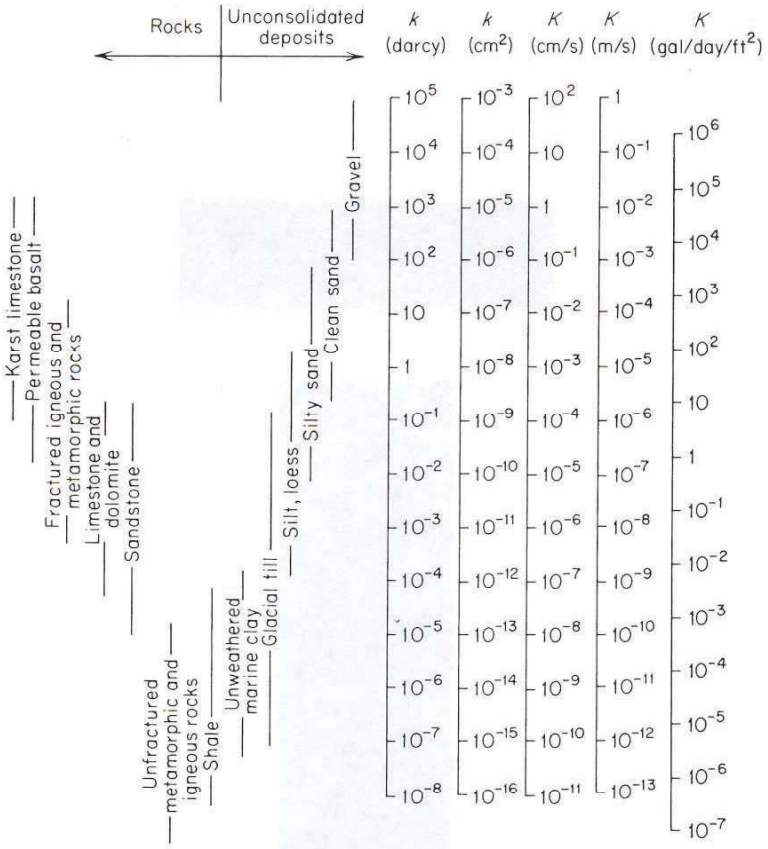


Table 2.3 Conversion Factors for Permeability and Hydraulic Conductivity Units

	Permeability, k*			Hydraulic conductivity, K		
	cm^2	ft^2	darcy	m/s	ft/s	U.S. gal/day/ft^2
cm^2	1	1.08×10^{-3}	1.01×10^{8}	9.80×10^{2}	3.22×10^{3}	1.85×10^{9}
ft^2	9.29×10^{2}	1	9.42×10^{10}	9.11×10^{5}	2.99×10^{6}	1.71×10^{12}
darcy	9.87×10^{-9}	1.06×10^{-11}	1	9.66×10^{-6}	3.17×10^{-5}	1.82×10^{1}
m/s	1.02×10^{-3}	1.10×10^{-6}	1.04×10^{5}	1	3.28	2.12×10^{6}
ft/s	3.11×10^{-4}	3.35×10^{-7}	3.15×10^{4}	3.05×10^{-1}	1	6.46×10^{5}
U.S. gal/day/ft^2	5.42×10^{-10}	5.83×10^{-13}	5.49×10^{-2}	4.72×10^{-7}	1.55×10^{-6}	1

*To obtain k in ft^2, multiply k in cm^2 by 1.08×10^{-3}.

ROUX

FIELD OPERATING PROCEDURES

Sample Labeling, Storage, and Shipment Procedures

FOP 046.0

SAMPLE LABELING, STORAGE & SHIPMENT PROCEDURES

PURPOSE

The collection and analysis of samples of environmental media, including soils, groundwater, surface water, and sediment, are the central activities of the field investigation. These samples must be properly labeled to preserve its identity, and properly stored and shipped in a manner that preserves its integrity and chain of custody. This procedure presents methods for these activities.

SAMPLE LABELING PROCEDURE

1. Assign each sample retained for analysis a unique 9-digit alphanumeric identification code or as indicated in the Project Work Plan. Typically, this code will be formatted as follows:

Sample I.D. Example: GW051402047	
GW	**Sample matrix** GW = groundwater; SW = surface water; SUB = subsurface soil; SS = surface soil; SED = sediment; L = leachate; A = air
05	Month of sample collection
14	Day of sample collection
02	Year of sample collection
047	Consecutive sample number

2. Consecutive sample numbers will indicate the individual sample's sequence in the total set of samples collected during the investigation/sampling event. The sample number above, for example, would indicate the 47th sample retained for analysis during the field investigation, collected on May 14, 2002.

3. Affix a non-removable (when wet) label to each sample container. The following information will be written on the label with black or blue ink that will not smudge when wet:

   - Project number
   - Sample ID (see Step 1 above)
   - Date of sample collection
   - Time of sample collection (military time only)
   - Specify "grab" or "composite" sample with an "X"
   - Sampler initials
   - Preservative(s) (if applicable)
   - Analytes for analysis (if practicable)

4. Record all sample label information in the Project Field Book and on a Sample Summary Collection Log (see attached samples), keyed to the sample identification number. In addition, add information regarding the matrix, sample location, depth, etc. to provide a complete description of the sample.

SAMPLE STORAGE PROCEDURE

1. Immediately after collection, placement in the proper container, and labeling, place samples to be retained for chemical analysis into resealable plastic bags.

2. Place bagged samples into an ice chest filled approximately half-full of double bagged ice. Blue ice is not an acceptable substitute for ice.

3. Maintain samples in an ice chest or in an alternative location (e.g. sample refrigerator) as approved by the Roux Field Team Leader until time of shipment. Periodically drain melt-water off coolers and replenish ice as necessary.

4. Ship samples on a daily basis, unless otherwise directed by the Roux Field Team Leader.

5. Maintain appropriate custody procedures on coolers and other sample storage containers at all times. These procedures are discussed in detail in the Project Quality Assurance Project Plan, Monitoring Plan or Work Plan.

6. Samples shall be kept in a secure location locked and controlled (i.e., locked building or fenced area) so that only the Project Field Team Leader has access to the location or under the constant visual surveillance of the same.

SAMPLE SHIPPING PROCEDURE

1. Fill out the chain-of-custody form completely (see attached sample) with all relevant information. The white original goes with the samples and should be placed in a resealable plastic bag and taped inside the sample cooler lid; the sampler should retain the copy.

2. Place a layer of inert cushioning material such as bubble pack in the bottom of cooler.

3. Place each bottle in a bubble wrap sleeve or other protective wrap. To the extent practicable, then place each bottle in a resealable plastic bag.

4. Open a garbage bag (or similar) into a cooler and place sample bottles into the garbage bag (or similar) with volatile organic analysis (VOA) vials near the center of the cooler.

5. Pack bottles with ice in plastic bags. At packing completion, cooler should be at least 50 percent ice, by volume. Coolers should be completely filled, so that samples do not move excessively during shipping.

6. Duct tape (or similar) cooler drain closed and wrap cooler completely in two or more locations to secure lid, specifically covering the hinges of the cooler.

7. Place laboratory label address identifying cooler number (i.e., 1 of 4, 2 of 4 etc.) and overnight delivery waybill sleeves on cooler lid or handle sleeve (Federal Express).

8. Sign the custody seal tape with an indelible soft-tip marker and place over the duct tape across the front and back seam between the lid and cooler body.

9. Cover the signed custody seal tape with an additional wrap of transparent strapping tape.

10. Place "Fragile" and "This Side Up" labels on all four sides of the cooler. "This Side Up" labels are yellow labels with a black arrow with the arrowhead pointing toward the cooler lid.

11. For coolers shipped by overnight delivery, retain a copy of the shipping waybill, and attach to the chain-of-custody documentation.

ATTACHMENTS

Soil/Sediment Sample Summary Collection Log (sample)
Groundwater/Surface Water Sample Summary Collection Log (sample)
Wipe Sample Summary Collection Log (sample)
Air Sample Summary Collection Log (sample)
Chain-Of-Custody Form (sample)

REFERENCES

None

AIR SAMPLE COLLECTION SUMMARY LOG

Field ID	Location	QC Type	Analytical Parameters	Containers	Date	Time	Sampler Initials	Comments (e.g. problems encountered, ref. to variance, location changes, important observations or descriptions, etc.)

Notes:

1. See QAPP for sampling frequency and actual number of QC samples.
2. SC - Summa Canister.
3. TB - Tedlar Bag (quantity).
4. No Matrix Spike, Matrix Spike Duplicate, Matrix Spike Blanks, Field Duplicates, Field Blanks or Rinsates collected for air samples.

SAMPLE

SAMPLE LABELING, STORAGE & SHIPMENT PROCEDURES

CHAIN OF CUSTODY RECORD

Project No.	Project Name					Number of Containers	VOCs	SVOCs	Metals						REMARKS
Samplers (Signature)															
No.	Date	Time	comp	grab	Sample Identification										
Possible Hazard Identification: ☐ Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown										Sample Disposal: ☐ Return to Client ☐ Disposal by Lab ☐ Archive _____(mos.)					
Turnaround Time Required: Normal ☐ Rush ☐										QC Level: I. ☐ II. ☐ III. ☐ Project Specific (specify):_____					
Relinquished by: (Signature)		Date	Time	Relinquished by: (Signature)							Date	Time	REMARKS:		
Relinquished by: (Signature)		Date	Time	Relinquished by: (Signature)							Date	Time			

SAMPLE

WIPE SAMPLE COLLECTION SUMMARY LOG

Field ID	Location	QC Type	Analytical Parameters	Containers	Date	Time	Sampler Initials	Comments (e.g. problems encountered, ref. to variance, location changes, important observations or descriptions, etc.)

Notes:

1. See QAPP for sampling frequency and actual number of QC samples.
2. CWM - clear, wide-mouth glass jar with Teflon-lined cap.
3. FD - Field Duplicate.
4. FB - Field Blank.
5. RS - Rinsate.
6. No Matrix Spike, Matrix Spike Duplicate or Matrix Spike Blanks for wipe samples.
7. Rinsates should be taken at a rate of 1 per day during wipe sampling. Only take when reusable equipment is used.
8. Wipe sample FB collected by wiping unused glove and any other sampling equipment coming into contact with sampled surface) with prepared gauze pad and place in sample jar. Take at a rate of 1 FB per 20 samples.
9. Wipe sample FDs taken adjacent to original sample at a rate of 1 FD per 20 samples.
10. **EH :** Extract and Hold

SAMPLE

AIR SAMPLE COLLECTION SUMMARY LOG

Field ID	Location	QC Type	Analytical Parameters	Containers	Date	Time	Sampler Initials	Comments (e.g. problems encountered, ref. to variance, location changes, important observations or descriptions, etc.)

Notes:

1. See QAPP for sampling frequency and actual number of QC samples.
2. SC - Summa Canister.
3. TB - Tedlar Bag (quantity).
4. No Matrix Spike, Matrix Spike Duplicate, Matrix Spike Blanks, Field Duplicates, Field Blanks or Rinsates collected for air samples.

SAMPLE

SAMPLE LABELING, STORAGE & SHIPMENT PROCEDURES

CHAIN OF CUSTODY RECORD

Project No.	Project Name					Number of Containers	VOCs	SVOCs	Metals						REMARKS
Samplers (Signature)															
No.	Date	Time	comp	grab	Sample Identification										

Possible Hazard Identification:
☐ Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Sample Disposal:
☐ Return to Client ☐ Disposal by Lab ☐ Archive _____(mos.)

Turnaround Time Required:
Normal ☐ Rush ☐

QC Level:
I. ☐ II. ☐ III. ☐ Project Specific (specify):_____

Relinquished by: (Signature)	Date	Time	Relinquished by: (Signature)	Date	Time	REMARKS:
Relinquished by: (Signature)	Date	Time	Relinquished by: (Signature)	Date	Time	

SAMPLE

ROUX

FIELD OPERATING PROCEDURES

Screening of Soil Samples for Organic Vapors During Drilling Activities

FOP 047.0

SCREENING OF SOIL SAMPLES FOR ORGANIC VAPORS DURING DRILLING ACTIVITIES

PURPOSE

This procedure is used to screen soil samples for the presence of volatile organic constituents (VOCs) using a field organic vapor meter. These meters will be either photoionization detector (PID) or flame-ionization detector (FID) type. This screening is performed at the drilling and sampling location as a procedure for ensuring the health and safety of personnel at the site and to identify potentially contaminated soil samples for laboratory analysis. All soil samples will be field screened to provide a vertical profile of soil contamination by volatile organic substances.

PROCEDURE

1. Calibrate air-monitoring equipment in accordance with the appropriate Roux's Field Operating Procedures or manufacturers recommendations for calibration of field meters.

2. Collect split-spoon (or other sampler) samples in accordance with Roux's Split Spoon Sampling Procedure FOP.

3. When the split-spoon or other sampler is opened or accessed, shave a thin layer of material from the entire length of the core.

4. Scan the core visually and with the PID or FID noting stratification, visible staining, or other evidence of contamination.

5. Based on this initial scan of the sample, collect approximately 100 milliliters (ml) of soil using a decontaminated or dedicated stainless steel spatula, scoop, or equivalent. Place this soil into a labeled wide-mouth glass jar approximately ½ to ¾ full and seal with aluminum foil and a screw top cap. Alternatively, the soil may be placed into a clean, re-sealable plastic bag and sealed. Be sure to leave some headspace above the soil sample within the sealed container.

6. Place field screening sample (i.e., jar or bag) in a location where the ambient temperature is at least 70° Fahrenheit.

7. Leave the field screening sample bag for at least 30 minutes, but no more than 60 minutes.

8. Carefully remove the screw top cap from the jar and slowly insert the tip of the organic vapor meter (PID or FID) through the aluminum foil seal making the smallest hole possible. Alternatively, unseal a portion of the plastic bag just big enough to insert the probe of a calibrated PID.

9. Record the maximum reading in parts per million by volume (ppmv) on the Field Borehole Log or Field Borehole/Monitoring Well Installation Log form (see attached samples) (see Documentation Requirements for Drilling and Well Installation FOP), at the depth interval corresponding to the depth of sample collection.

ATTACHMENTS

Field Borehole Log (sample)
Field Borehole/Monitoring Well Installation Log (sample)

REFERENCES

Roux FOPs:

010 Calibration and Maintenance of Portable Flame Ionization Detector
011 Calibration and Maintenance of Portable Photoionization Detector
015 Documentation Requirements for Drilling and Well Installation
058 Split Spoon Sampling Procedures

FOP 047.0

SCREENING OF SOIL SAMPLES FOR ORGANIC VAPORS DURING DRILLING ACTIVITIES

FIELD BOREHOLE LOG

PROJECT:									**Log of Boring No.:**				
BORING LOCATION:									ELEVATION AND DATUM:				
DRILLING CONTRACTOR:									DATE STARTED:			DATE FINISHED:	
DRILLING METHOD:									TOTAL DEPTH:			SCREEN INTERVAL:	
DRILLING EQUIPMENT:									DEPTH TO WATER:	FIRST:	COMPL.:	CASING:	
SAMPLING METHOD:									LOGGED BY:				
HAMMER WEIGHT:				DROP:					RESPONSIBLE PROFESSIONAL:			REG. NO.	
Depth (fbgs)	SAMPLES					PID Scan (ppm)	SAMPLE DESCRIPTION USCS Classification: Color, Moisture Condition, % of Soil Type, Texture, Plasticity, Fabric, Bedding, Weathering/Fracturing, Odor, Other SURFACE ELEVATION (FMSL):					REMARKS	
	Sample No.	Sample	Blows (per 6")	SPT N-Value	Recovery								

SAMPLE

ABANDONMENT:			
Volume of cement/bentonite grout required:	$V = \pi r^2 \times 7.48 =$	gallons	borehole depth = ft.
Volume of cement/bentonite grout installed:		gallons	borehole diameter = ft.
Has bridging of grout occurred?	☐ yes ☐ no		borehole radius = ft.
If yes, explain resolution:			
Method of installation:			
Project No:			Figure

FOP 047.0

SCREENING OF SOIL SAMPLES FOR ORGANIC VAPORS DURING DRILLING ACTIVITIES

FIELD BOREHOLE/MONITORING WELL INSTALLATION LOG

PROJECT:												Log of Well No.:		
BORING LOCATION:												ELEVATION AND DATUM:		
DRILLING CONTRACTOR:												DATE STARTED:		DATE FINISHED:
DRILLING METHOD:												TOTAL DEPTH:		SCREEN INTERVAL:
DRILLING EQUIPMENT:												DEPTH TO WATER:	FIRST: COMPL.:	CASING:
SAMPLING METHOD:												LOGGED BY:		
HAMMER WEIGHT:					DROP:							RESPONSIBLE PROFESSIONAL:		REG. NO.
Depth (fbgs)	SAMPLES					PID Scan (ppm)	SAMPLE DESCRIPTION USCS Classification: Color, Moisture Condition, % of Soil Type, Plasticity, Fabric, Bedding, Weathering/Fracturing, Odor, Other SURFACE ELEVATION (FMSL):					WELL CONSTRUCTION DETAILS AND/OR DRILLING REMARKS		
	Sample No.	Sample	Blows (per 6")	SPT N-Value	Recovery									
Project No:														Figure

SAMPLE

ROUX

FIELD OPERATING PROCEDURES

Screening of Soil Samples for Organic Vapors During Impacted Soil Removal Activities

FOP 048.0

SCREENING OF SOIL SAMPLES FOR ORGANIC VAPORS DURING IMPACTED SOIL REMOVAL ACTIVITIES

PURPOSE

This procedure is used to screen soil samples for the presence of volatile organic constituents (VOCs) using a field organic vapor meter. The field meter should either be a photoionization detector (PID) or flame-ionization detector (FID) type. This type of screening is generally performed during underground storage tank (UST) and/or impacted soil removal activities as a procedure for ensuring the health and safety of the community and personnel at the site as well as to identify potential VOC-impacted soil samples for laboratory analysis (i.e., confirmatory or verification samples). Soil samples are also screened in the field to provide assessment criteria to determine horizontal and vertical extents of VOC-impacts in order to ensure soils that may have been impacted by volatile organic substances are removed.

PROCEDURE

1. Calibrate air-monitoring equipment in accordance with the appropriate Roux's Field Operating Procedures or manufacturers recommendations for calibration of field meters.

2. Perform community air monitoring in accordance with the Project Work Plan and/or Roux's FOP: Real-Time Air Monitoring During Intrusive Activities.

3. Upon proper removal of any identified UST in accordance with NYSDEC Division of Environmental Remediation, Spill Response Unit or Bulk Storage Unit guidelines and/or Roux's FOP: Underground Storage Tank Removal Procedures; examine the four sidewalls and bottom of the excavation for visually impacted (i.e., stained) soils.

4. If visually impacted soils are identified, direct the excavating equipment operator to scrape the impacted area (i.e., sidewall or bottom of the excavation) and present the scraped soil for evaluation. NOTE: Under no circumstances should anyone enter an excavation greater than 4 feet in depth, unless absolutely necessary. Excavation entry may only occur under strict confined space entry procedures following implementation of specific engineering controls (i.e., continuous air monitoring, excavation shoring, trench box installation, benching).

5. Visually inspect and perform an open air PID/FID scan of the scraped soil sample noting stratification, visible staining, or other evidence of impact (i.e., presence of non-aqueous phase liquid, NAPL).

6. Collect a representative sample (approximately 100 milligrams (mg)) of soil using a decontaminated or dedicated stainless steel sampling tool (i.e., spoon, spatula, scoop, or approved equivalent), for field headspace determination of VOC-impact. Place the representative soil sample into a labeled wide-mouth glass jar approximately ½ to ¾ full and seal with aluminum foil and a screw top cap. Alternatively, the soil sample may be placed into a clean, re-sealable plastic bag and sealed. Be sure to leave adequate headspace above the soil sample within either sealed container.

7. Place the field screening sample (i.e., jar or bag) in a location where the ambient temperature is at least 70^{o} Fahrenheit for at least 15 minutes, but no more than 60 minutes.

8. Carefully remove the screw top cap from the jar and slowly insert the tip of the organic vapor meter (PID or FID) through the aluminum foil seal making the smallest hole possible. Alternatively, unseal a portion of the plastic bag just big enough to insert the probe of a calibrated PID.

9. Record the depth, sample location (i.e., sidewall, bottom) and <u>maximum</u> reading in parts per million by volume (ppmv) in the Project Field Book and Impacted Soil Excavation Log (sample attached), at the depth interval corresponding to the depth of sample collection.

10. The representative soil samples collected from the excavation will be used to assess the vertical and horizontal limits of VOC-impact and guide the impacted soil removal activities in accordance with project requirements (i.e., PID scans less than 20 ppm will not require removal unless laboratory analytical results exceed regulatory limits).

11. Collect verification/confirmation samples in accordance with NYSDEC Division of Environmental Remediation, Spill Response Unit or Bulk Storage Unit guidelines and/or Roux's FOP: Surface and Subsurface Soil Sampling Procedures.

ATTACHMENTS

Impacted Soil Excavation Log (sample)

REFERENCES

Roux FOPs:

010 *Calibration and Maintenance of Portable Flame Ionization Detector*
011 *Calibration and Maintenance of Portable Photoionization Detector*
063 *Surface and Subsurface Soil Sampling Procedures*
073 *Real-Time Air Monitoring During Intrusive Activities*
074 *Underground Storage Tank Removal Procedures*

FOP 048.0

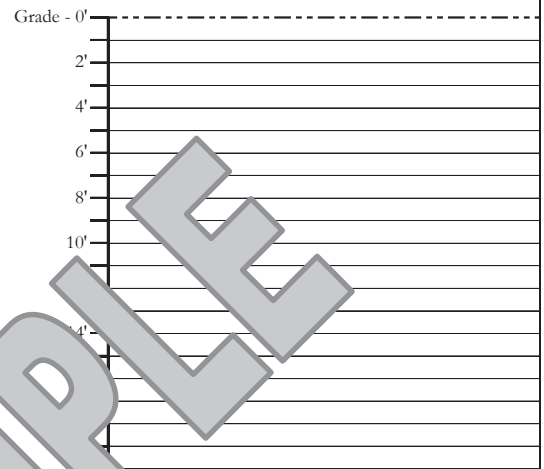
SCREENING OF SOIL SAMPLES FOR ORGANIC VAPORS DURING IMPACTED SOIL REMOVAL ACTIVITIES

IMPACTED SOIL EXCAVATION LOG

Project:	EXCAVATION I.D.:
Project No.:	Excavation Date:
Client:	Excavation Method:
Location:	CQA Observer:

Excavation Location: *NOT TO SCALE*
(approximate)

Excavation Cross Section:



SAMPLE

TIME	Length:					
Start:	Width:					
End:	Depth:					

Verification Sample I.D.	D… (fb…	…hi… (sid… /bo…	PID Scan (ppm)	PID Headspace (ppm)	Photos Y / N	

COMMENTS:

UST ENCOUNTERED:	☐ yes	☐ no	If yes, Describe (type, material, size, capacity etc.):
GROUNDWATER ENCOUNTERED:	☐ yes	☐ no	If yes, depth to GW:
VISUAL IMPACTS:	☐ yes	☐ no	Describe:
OLFACTORY OBSERVATIONS:	☐ yes	☐ no	Describe:
NON-NATIVE FILL ENCOUNTERED:	☐ yes	☐ no	
OTHER OBSERVATIONS:	☐ yes	☐ no	Describe:
QUANTITY OF IMPACTED SOIL REMOVED:			
FINAL DESTINATION OF IMPACTED SOIL:			
TYPE OF BACKFILL:			
SURFACE COMPLETION:			

ROUX

FIELD OPERATING PROCEDURES

Soil Description Procedures Using The Visual-Manual Method

FOP 054.2

SOIL DESCRIPTION PROCEDURES USING THE VISUAL-MANUAL METHOD

PURPOSE

This guideline presents a means for insuring consistent and proper field identification and description of collected soils during a project (via, split-spoon (barrel) sampler, hand auger, test pit etc.). The lithology and moisture content of each soil sample will be physically characterized by visual-manual observation in accordance with ASTM Method D2488, Standard Practice for Description and Identification of Soils (Visual-Manual Procedure). When precise classification of soils for engineering purposes is required, the procedures prescribed in ASTM Method D2487 (Standard Practice for Classification of Soils for Engineering Purposes [Unified Soil Classification System, USCS]) will be used. The method of soil characterization presented herein describes soil types based on grain size, liquid and plastic limits, and moisture content based on visual examination and manual tests. When using this FOP to classify soil, the detail of description provided for a particular material should be dictated by the complexity and objectives of the project. However, more often than not, "after the fact" field information is required later in the project, therefore, every attempt to describe the soil as completely as possibly should be made.

Intensely weathered or decomposed rock that is friable and can be reduced to gravel size or smaller by normal hand pressure should be classified as a soil. The soil classification would be followed by the parent rock name in parenthesis. Projects requiring depth to bedrock determinations should always classify weathered or decomposed bedrock as bedrock (i.e., landfill siting). The project manager should always be consulted prior to making this determination.

PROCEDURE

Assemble necessary equipment and discuss program requirements with drilling contractor.

1. Calibrate air-monitoring equipment in accordance with the appropriate Roux's Field Operating Procedures or manufacturers recommendations for calibration of field meters.

2. Collect desired soil sample in accordance with appropriate Roux FOP (i.e., split-spoon sampling, hand augering, test pitting etc.).

3. Shave a thin layer off the entire length of the sample to expose fresh sample.

4. Photograph and scan the sample with a photoionization detector (PID) at this time, if applicable, in accordance with Roux's Screening of Soil Samples for Organic Vapors During Drilling Activities FOP.

5. Describe the sample using terminology presented in the Descriptive Terms section below.

6. Record all pertinent information in the Project Field Book and Field Borehole Log (sample attached) or Field Borehole/Monitoring Well Installation Log (sample attached).

7. After the sample has been described, place a representative portion of the sample in new, precleaned jars or self-sealing plastic bags for archival purposes (if required). Label the jar or bag with the sample identification number, sample interval, date, project number and store in a secure location.

8. If the soil is to be submitted to a laboratory for analysis, collect the soil sample with a dedicated stainless steel sampling tool, place the sample into the appropriate laboratory-supplied containers, and store in an ice-chilled cooler staged in a secure location in accordance with Roux's Sample Labeling, Storage and Shipment Procedures FOP.

9. All remaining soil from soil sample collection activities shall be containerized in accordance with Roux's Management of Investigative-Derived Waste (IDW) FOP and/or the Project Work Plan.

DESCRIPTIVE TERMS

All field soil samples will be described using the Unified Soil Classification System (USCS) presented in Figures 1 and 2 (attached). In addition to ASTM Method D2488, Method D1586, Standard Test Method for Penetration Test and Split-Barrel Sampling of Soils (a.k.a., Standard Penetration Test, STP), when implemented, can also be used to classify the resistance of soils. In certain instances, it is desirable to supplement the USCS classification with a geologic interpretation of the soil sample that is supported by the soil descriptive terms presented in this section. The project manager should be consulted when making any geologic interpretation. Field test methods are provided to assist field personnel in classifying soil and are identified by a bold blue **FTM** and shaded. Classification of sampled soils will use the following ASTM descriptive terms and criteria:

- **Group Name** (USCS, see Figure 2)
- **Group Symbol** (USCS, see Figure 2) – only use if physical laboratory testing has been performed to substantiate. The USCS can be applied to most unconsolidated materials, and is represented by a two-letter symbol, except Peat (Pt).
  - The first letter includes: G (gravel), S (sand), M (silt), C (clay), and O (organic).
  - The second letter includes: P (poorly graded or uniform particle sizes), W (well graded or diversified particle sizes), H (high plasticity), and L (low plasticity).
  - Examples:
    - GW = well graded gravels and gravel-sand mixtures, little or no fines
    - GP = poorly graded gravels and gravel-sand mixtures, little or no fines
    - GM = silty gravels, gravel-sand-silt mixtures

- GC = clayey gravels, gravel-sand-clay mixtures
- SW = well graded sands and gravelly sands, little or no fines
- SP = poorly graded sands and gravelly sands, little or no fines
- SM = silty sand, sand-silt mixtures
- SC = clayey sand sand-clay mixtures
- ML = inorganic silts, very fine sands, rock flour, silty or clayey fine sands
- CL = inorganic clays of low to medium plasticity, gravelly/sandy/silty/lean clays
- OL = organic silts and organic silty clays of low plasticity
- MH = inorganic silts, micaceous or diatomaceous fine sands or silts, elastic silts (very rare)
- CH = inorganic clays of high plasticity, fat clays
- OH = organic clays of medium to high plasticity
- Pt = peat, muck, and other highly organic soils

- **Angularity** (ASTM D2488; Table 1)
  - Angular – particles have sharp edges and relatively planar sides with unpolished surfaces
  - Subangular – particles are similar to angular description but have rounded edges
  - Subrounded – particles have nearly planar sides but have well-rounded corners and edges
  - Rounded – particles have smoothly curved sides and no edges
- **Particle Shape** (ASTM D2488; Table 2)
  - Flat – particles with width/thickness > 3
  - Elongated – particles with length/width > 3
  - Flat and Elongated – particles meet criteria for both flat and elongated
- **Moisture Condition** (ASTM D2488; Table 3)
  - Dry – absence of moisture, dusty, dry to the touch
  - Moist – damp, but no visible water
  - Wet – visible free water, usually soil is below water table
- **Reaction with Hydrochloric Acid (HCL)** (ASTM D2488; Table 4)
  - None – no visible reaction

- Weak – some reaction, with bubbles forming slowly
- Strong – violent reaction, with bubbles forming immediately

- **Consistency of Cohesive Soils** (ASTM D2488; Table 5)
  - Very soft – squeezes between fingers when fist is closed; easily penetrated several inches by fist (SPT = 2 or less)
  - Soft – easily molded by fingers; easily penetrated several inches by thumb (SPT = 2 to 4)
  - Firm – molded by strong pressure of fingers; can be penetrated several inches by thumb with moderate effort (SPT = 4 to 8)
  - Stiff – dented by strong pressure of fingers; readily indented by thumb but can be penetrated only with great effort (SPT = 8 to 15)
  - Very stiff – readily indented by thumbnail (SPT = 15 to 30)
  - Hard – indented with difficultly by thumbnail (SPT >30)
- **Cementation** (ASTM D2488; Table 6)
  - Weak – crumbles or breaks with handling or slight finger pressure
  - Moderate – crumbles or breaks with considerable finger pressure
  - Strong – will not crumble or break with finger pressure
- **Structure (Fabric)** (ASTM D2488; Table 7)
  - Varved – alternating 1 mm to 12 mm (0.04 – 0.5 inch) layers of sand, silt and clay
  - Stratified – alternating layers of varying material or color with the layers less than 6 mm (0.23 inches) thick; note thickness
  - Laminated – alternating layers of varying material or color with the layers less than 6 mm (0.23 inches) thick; note thickness
  - Fissured – contains shears or separations along planes of weakness
  - Slickensided – shear planes appear polished or glossy, sometimes striated

- Blocky – cohesive soil that can be broken down into small angular lumps which resist further breakdown
- Lensed – inclusion of small pockets of different soils, such as small lenses of sand scattered through a mass of clay; note thickness
- Homogeneous or Massive – same color and appearance throughout

- **Inorganic Fine-Grained Soil Characteristics** (ASTM D2488; Table 12)

  Several field tests can be performed to determine the characteristics of fine-grained soils (material passing the No. 40 sieve), such as dry strength, dilatency, and toughness. These field testing methods are described below.

  - **Dry Strength** (ASTM D2488; Table 8)

    FTM (Dry Strength): Select enough material and moisten with water until it can be molded or shaped without sticking to your fingers (slightly below the sticky limit) into a ball about 1 inch in diameter. From this ball, form three balls about ½ inch in diameter and allow to dry in air, or sun, or by artificial means (temperature not to exceed 60° C (140° F). Soil containing natural dry lumps about ½ inch in diameter may be used in place of molded balls, however the dry strengths are usually lower. Test the strength by crushing the dry balls or lumps between your fingers using the descriptions below.

    - None – the dry specimen crumbles with the slightest pressure of handling
    - Low – the dry specimen crumbles with some finger pressure
    - Medium – the dry specimen breaks into pieces or crumbles with considerable finger pressure
    - High – the dry specimen cannot be broken with finger pressure. The specimen will break into pieces between the thumb and a hard surface.
    - Very High – the dry specimen cannot be broken between the thumb and a hard surface

  - **Dilatency** (ASTM D2488; Table 9)

    FTM (Dilatency): Place enough material in your hand to form a ball approximately ½ inch in diameter and moisten with water until it can be

molded or shaped without sticking to your fingers (slightly below the sticky limit). Smooth the ball in the palm of one hand with the blade of a knife or small spatula. Shake horizontally, striking the side of the hand vigorously against the other several times. Note the reaction of water appearing on the surface of the soil. The soil is said to have given a reaction to this test if, when it is shaken, water comes to the surface of the sample producing a smooth, shiny appearance. Squeeze the sample between the thumb and forefinger and note the reaction as follows:

- None – no visible change in the specimen
- Slow – water slowly appears on the surface of the specimen during shaking and does not disappear or disappears slowly upon squeezing
- Rapid – water quickly appears on the surface of the specimen during shaking and disappears upon squeezing

- **Toughness** (ASTM D2488; Table 10)

FTM (Toughness): Following the dilatency test above, shape the test specimen into an elongated pat and roll by hand on a smooth surface or between palms into a thread about 1/8 inch in diameter. Fold the sample threads and re-roll repeatedly until the thread crumbles at a diameter of about 1/8 inch (e.g., near the plastic limit). Note the pressure required to roll the thread near the plastic limit as well as the strength of the thread. After the thread crumbles, lump the pieces together and knead the lump until it crumbles. Describe the toughness as follows:

- Low – only slight pressure is required to roll the thread near the plastic limit. The thread and the lump are weak and very soft.
- Medium – medium pressure is required to roll the thread to near the plastic limit. The thread and the lump are soft.
- High – considerable pressure is required to roll the thread to near the plastic limit. The thread and the lump are firm.

Using the results of the dry strength, dilatency, and toughness test described above, classify the soil according to the following:

Soil Symbol	Dry Strength	Dilatency	Toughness
Silt (ML)	None to low	Slow to rapid	Low or thread cannot be formed
Lean clay (CL)	Medium to high	None to slow	Medium
Elastic Silt (MH)	Low to medium	None to slow	Low to medium
Fat Clay (CH)	High to very high	None	Low to medium high

- **Plasticity** (ASTM D2488; Table 11)

  Two field test methods can be used to determine plasticity of fine-grained soils (material passing the No. 40 sieve): the roll or thread test and the ribbon test. Each test is described below.

  FTM (Roll or Thread Test): As with the toughness test above, mix a representative portion of the soil sample with water until it can be molded or shaped without sticking to your fingers (slightly below the sticky limit). Place an elongated cylindrical sample on a nonabsorbent rolling surface (e.g., glass or was paper on a flat surface) and attempt to roll it into a thread approximately 1/8 inch in diameter. The results of this test are defined below (non-plastic to high plasticity).

  FTM (Ribbon Test): Form a roll from a handful of moist soil (slightly below the sticky limit) about ½ to ¾ inches in diameter and about 3 to 5 inches long. Place the material in the palm of your hand and, starting at one end, flatten the roll between your thumb and forefinger to form the longest and thinnest ribbon possible that can be supported by the cohesive properties of the material before breaking. If the soil sample holds together for a length of 6 to 10 inches without breaking, the material is considered to be both highly plastic and highly compressive (Fat Clay, CH). If the soil cannot be ribboned, it is non-plastic (Silt, ML or MH). If it can be ribboned only with difficulty into short lengths, it has low plasticity (Lean Clay, CL). Use the following terms to describe the plasticity of soil:

- Nonplastic (ML or MH) – a 3 mm (0.12 inches) thread cannot be rolled at any water content
- Low Plasticity (CL, ML, or MH) – the thread can barely be rolled, and crumbles easily
- Medium Plasticity (CL) – the thread is easy to roll and not much time is required to reach the plastic limit before crumbling
- High Plasticity (CH) – it takes considerable time rolling and kneading to reach the plastic limit; the thread can be rolled several times before crumbling

Note: A soil with as little as 20% clay will behave as a clayey soil. A soil needs 45% to over 60% medium to coarse sand to behave as a sandy soil. In a soil with 20% clay and 80% sand, the soil will behave as a clayey soil.

- **Relative Density of Cohesionless (Granular) Soils**
  - Very loose – easily penetrated 30 cm (1.2 inches) with 13 mm (0.5 inch) rebar pushed by hand (SPT = 0 to 4)
  - Loose – easily penetrated several cm with 13 mm (0.5 inch) rebar pushed by hand (SPT = 4 to 10)
  - Medium dense – easily to moderately penetrated with 13 mm (0.5 inch) rebar driven by 2.3 kg (6 pound) hammer (SPT = 10 to 30)
  - Dense – penetrated 0.3 m (1 foot) with difficulty using 13 mm (0.5 inch) rebar driven by 2.3 kg (6 pound) hammer (SPT = 30 to 50)
  - Very dense – penetrated only a few cm with 13 mm (0.5 inch) rebar driven by 2.3 kg (6 pound) hammer (SPT = >50)
- **Color** (use Munsel® Color System, as necessary)
- **Particle Size** (see Figure 3)
  - Boulder – larger than a basketball
  - Cobble – grapefruit, orange, volleyball
  - Coarse Gravel – tennis ball, grape

- Fine Gravel – pea
- Coarse Sand – rock salt
- Medium Sand – opening in window screen
- Fine Sand – sugar, table salt
- Fines (silt and clay) – cannot visually determine size (unaided)

- **Gradation**
  - Well Graded (GW, SW) – full range and even distribution of grain sizes present
  - Poorly-graded (GP, SP) – narrow range of grain sizes present
  - Uniformly-graded (GP, SP) – consists predominantly of one grain size
  - Gap-graded (GP-SP) – within the range of grain sizes present, one or more sizes are missing

- **Organic Material** – Organic soils usually have a dark brown to black color and may have an organic odor. Often, organic soils will change color, for example, black to brown, when exposed to the air. Some organic soils will lighten in color significantly when air-dried. Organic soils normally will not have a high toughness or plasticity. The thread of the toughness test will be spongy.
  - PEAT – 50 to 100 percent organics by volume, primary constituent
  - Organic (soil name) – 15 to 50 percent organics by volume, secondary organic constituent
  - (Soil name) with some organics – 5 to 15 percent organics by volume, additional organic constituents

- **Fill Materials** – All soils should be examined to see if they contain materials indicative of man-made fills. Man-made fill items should be listed in each of the soil descriptions. Common fill indicators include glass, brick, dimensioned lumber, concrete, pavement sections, asphalt, metal, plastics, plaster etc. Other items that could suggest fill include buried vegetation mats, tree limbs, stumps etc. The soil description for a fill material should be followed by the term "FILL", i.e., for a sandy silt with some brick fragments the description would be "SANDY

SILT (ML), with brick fragments (Fill)". The size and distribution of fill indicators should be noted. The limits (depth range) of fill material should be determined and identified at each exploration location.

- **Other Constituents/Characteristics**
  - Additional constituents and/or pertinent soil characteristics not included in the previous categories should be described depending on the scope and objectives of the project. Observations that may be discussed include:
    - Oxide staining
    - Odor
    - Origin
    - Presence of root cast
    - Presence of mica
    - Presence of gypsum
    - Presence of calcium carbonate
    - Percent by volume of cobbles & boulders with size description and appropriate rock classification
  - Other pertinent information from the exploratory program should be recorded, if it would be useful from a biddability/constructability perspective. The conditions that should be listed include caving or sloughing, difficulty in drilling and groundwater infiltration.

SOIL DESCRIPTIONS

Generally, soil descriptions collected during most investigations are not intended for civil engineering (construction) purposes, but rather for hydrogeologic and contaminant transport purposes. As such, the ASTM visual-manual assessments are somewhat limited in that they are only performed in order to indicate important information about potential hydraulic properties of a soil. Soil descriptions should be concise, stressing major constituents and

characteristics, and should be given in a consistent order and format. The following order is recommended:

- Soil name. The basic name of the predominant grain size and a single-word modifier indicating the major subordinate grain size (i.e., mostly clay with some silt). The feel test can be used to determine the texture of the soil by rubbing some moist soil between your fingers; sand feels gritty, silt feels smooth, and clays feel sticky. The terms representing percentages of grain size to be used include:
    - Trace – particles are present, but estimated to be less than 5%
    - Few – 5 to 10%
    - Little – 15 to 25%
    - Some – 30 to 45%
    - Mostly – 50 to 100%
- Color (using Munsell® charts, as necessary). Color is an important property in identifying organic soils, and within a given locality it may also be useful in identifying materials of similar geologic origin. It the sample contains layers or patches of varying colors (e.g., mottled), this shall be noted and all representative colors shall be described. The color shall be described for moist samples, however if the color represents a dry condition, it must be stated as such in the log. Generally, colors become darker as the moisture content increases and lighter as the soil dries. Examples include:
    - Some fine-grained soils (OL, OH) with dark drab shades of brown or gray, including almost black, contain organic colloidal matter.
    - In contrast, clean, bright looking shades of gray, olive green, brown, red, yellow, and white are associated with inorganic soils.
    - Gray-blue or gray- and yellow-mottled colors frequently result from poor drainage.
    - Red, yellow, and yellowish brown result from the presence of iron oxides.

  - White to pink may indicate considerable silica, calcium carbonate, or aluminum compounds.

- Field moisture condition as dry, moist, or wet;
- Gradation or Plasticity. Granular soils (i.e., sands or gravels) should be described as well-graded, poorly graded, uniform, or gap-graded, depending on the gradation of the minus 3-inch fraction. Cohesive soils (i.e., silts and clays) should be described as non-plastic, low, medium, or high, depending on the results of the manual evaluation for dry strength, dilatency, toughness, and plasticity discussed previously.
- Consistency/Density. An estimate of consistency of a cohesive soil or density of a granular soil, usually based on the SPT results (see Descriptive Terms section of this FOP);
- Soil Structure or Mineralogy. Description of discontinuities, inclusions, and structures, including joints, fissures, and slickensides.
- Odor. Describe the odor if organic or unusual. Soils containing a significant amount of organic material usually have a distinctive odor of decaying vegetation. This is especially apparent in fresh samples, but if the samples are dried, the odor may often be revived by heating a moistened sample. If the odor is unusual (petroleum, chemical, etc.), it should be noted in the log.
- Other important geologic information such as consolidation, gravel size and shape, visible internal structure, root holes, mica, odors, etc.

The first step when describing soil is to determine if the sample is predominantly fine-grained or coarse-grained (see Figures 3 and 4). Coarse-grained soils are relatively easy to identify, however descriptions of fine-grained soils can be more difficult, requiring additional field tests to assist the field geologist arrive at the proper soils classification (see **FTMs** under Descriptive Terms above). These tests are explained in detail in the ASTM Standard D2488 and briefly herein. Generally, the differentiation between silt and clay is based on plasticity and "texture". However, tests for dry strength and dilatency, along with plasticity,

can be very helpful and are recommended in the ASTM Standard. If additional tests are performed, in addition to plasticity, to classify the fines, record them with the soil description on the logs. Doing this will assist the reader (i.e., Project Manager) to follow the logic used to describe a soil (e.g., medium plasticity, low dry strength = elastic silt [MH]; not a lean clay [CL]).

Fines described in the classification should be modified by their plasticity (e.g., non-plastic fines, low plasticity fines, etc.) reserving the words "silt" and "clay" for the soil name.

In summary, adhering to the ASTM Standard and the guidelines outlined in this FOP will provide uniformity in soil descriptions provided by all field personnel. Prior to mobilization to the field, field staff should make sure to have laminated copies of the ASTM Standard flow charts and tables as well as this FOP (as necessary). Some examples of complete soil descriptions are as follows:

Coarse-grained Soil

POORLY GRADED FINE SAND w/ SILT: Dark grey, wet, mostly fine sand with some non-plastic fines, some iron-stained mottling, laminated, medium dense

Fine-grained Soil

LEAN CLAY: Dark reddish/brown, moist, mostly fines, medium plasticity, firm, no dilatency, medium dry strength, root holes.

Soil/Fill (option 1) – visual evidence of fill

FILL: Black, moist, mostly fines with some fine sand, slag, cinders, metal, brick, non-plastic, loose when disturbed, strong odor

Soil/Fill (option 2) – no visual evidence of fill, suspected reworked material

FILL (reworked): Black, moist, mostly fines with some fine sand and few coarse angular gravel, non-plastic, hard, loose when disturbed, mild odor

BORING AND MONITORING WELL INSTALLATION LOGS

Currently, Roux utilizes WinLoG software to construct subsurface logs and a template of the log is included in this FOP as an example. One of the most important functions of a boring/monitoring well installation log, besides transmitting the soil description, is to indicate where the "data" (soil samples) were collected, giving the reader an idea of how reliable or representative the description is. On each sample log, depths of attempted and recovered or non-recovered interval are shown. Odor, if noted, should be considered subjective and not necessarily indicative of specific compounds or concentrations.

Remember: all field logs should be NEAT, ACCURATE, and LEGIBLE. Don't forget that the well completion diagram completed for each well requires details of the surface completion (i.e., flush-mount, stick-up etc.). It is the responsibility of the field staff to double-check each log (i.e., soil names, classifications, well construction details etc.) prior to implementing into a final report. A registered professional (i.e., professional engineer, PE or professional geologist, PG) must review each log and will be ultimately responsible for its content and accuracy.

REQUIRED EQUIPMENT

- Knife
- Engineer's rule/measuring tape

- Permanent marker
- Pre-cleaned wide-mouth sample jars (typically provided by the driller)
- Pre-cleaned wide-mouth laboratory sample jars (provided by the laboratory)
- Stainless steel sampling equipment (i.e., spoons, spatulas, bowls etc.)
- 10x hand lens
- Hydrochloric acid
- ASTM D2488 flow charts (preferably laminated)
- ASTM D2488 test procedures (Tables 1 through 12) (preferably laminated)
- Camera (disposable, 35 mm or digital)
- Munsell soil color chart (as necessary)
- Project Field Book/field forms

ATTACHMENTS

Figure 1; Field Guide for Soil and Stratigraphic Analysis
Figure 2; USCS Soil Classification Flow Chart (modified from ASTM D2488)
Figure 3; Illustration of Particle Sizes
Figure 4; Grain-Size Scale (Modified Wentworth Scale)

Field Borehole Log (sample)

REFERENCES

American Society for Testing and Materials, 2008a. *ASTM D1586: Standard Test Method for Standard Penetration Test (SPT) and Split-Barrel Sampling of Soils*.

American Society for Testing and Materials, 2010. *ASTM D2487: Standard Practice for Classification of Soils for Engineering Purposes (Unified Soil Classification System)*.

American Society for Testing and Materials, 2009a. *ASTM D2488: Standard Practice for Description and Identification of Soils (Visual-Manual Procedure)*.

State of California, Department of Transportation, Engineering Service Center, Office of Structural Foundations, August 1996. *Soil & Rock Logging Classification Manual (Field Guide), by Joseph C. de Larios.*

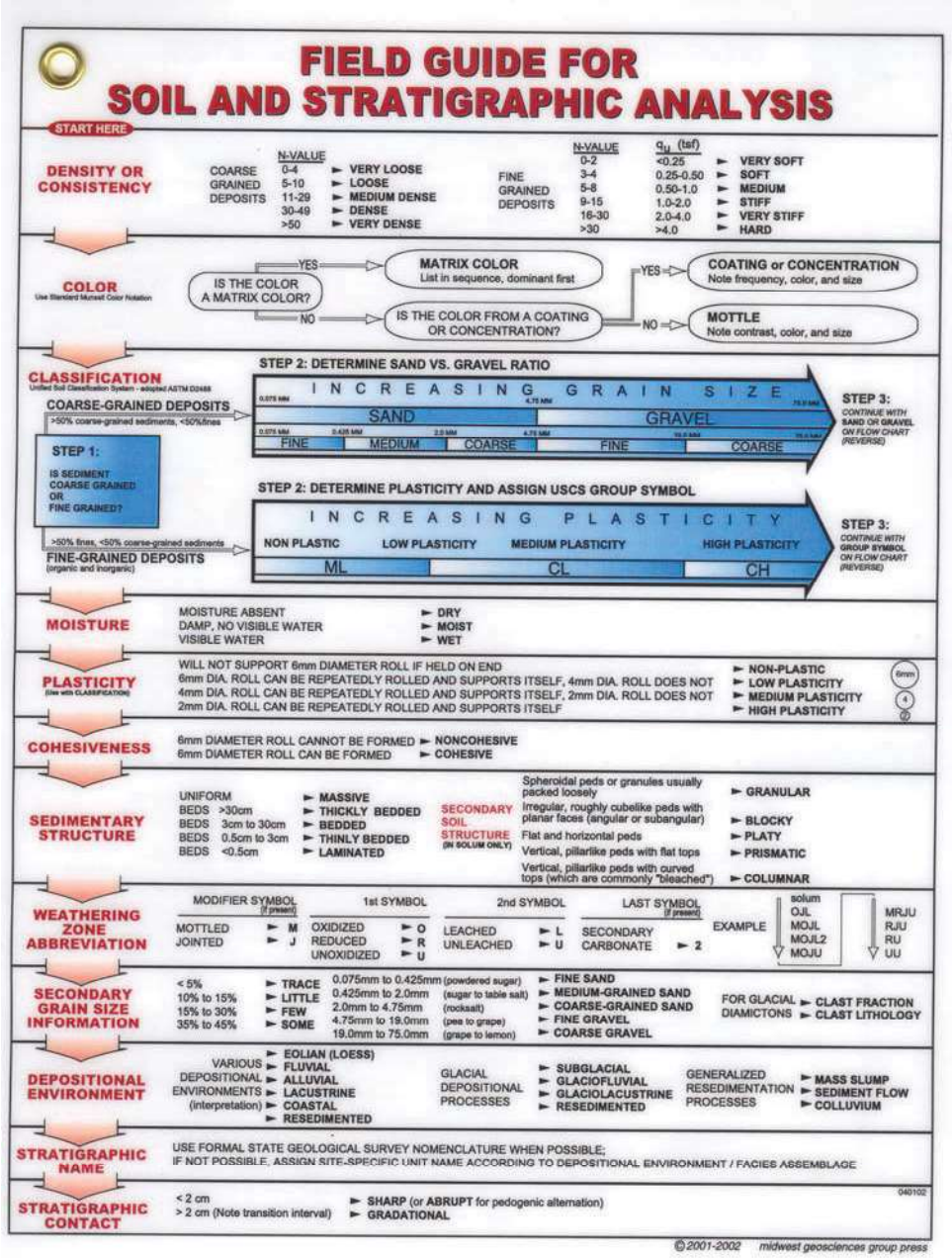
Roux FOPs:

010 Calibration and Maintenance of Portable Flame Ionization Detector
011 Calibration and Maintenance of Portable Photoionization Detector
015 Documentation Requirements for Drilling and Well Installation
025 Hand Augering Procedures
032 Management of Investigation-Derived Waste
046 Sample Labeling, Storage and Shipment Procedures
047 Screening of Soil Samples for Organic Vapors During Drilling Activities
058 Split-Spoon Sampling Procedures
065 Test Pit Excavation and Logging Procedures

SOIL DESCRIPTION PROCEDURES USING THE VISUAL-MANUAL METHOD

FIGURE 1

FIELD GUIDE FOR SOIL AND STRATIGRAPHIC ANALYSIS



SOIL DESCRIPTION PROCEDURES USING THE VISUAL-MANUAL METHOD

FIGURE 2

USCS SOIL CLASSIFICATION FLOW CHART (MODIFIED FROM ASTM D2488)

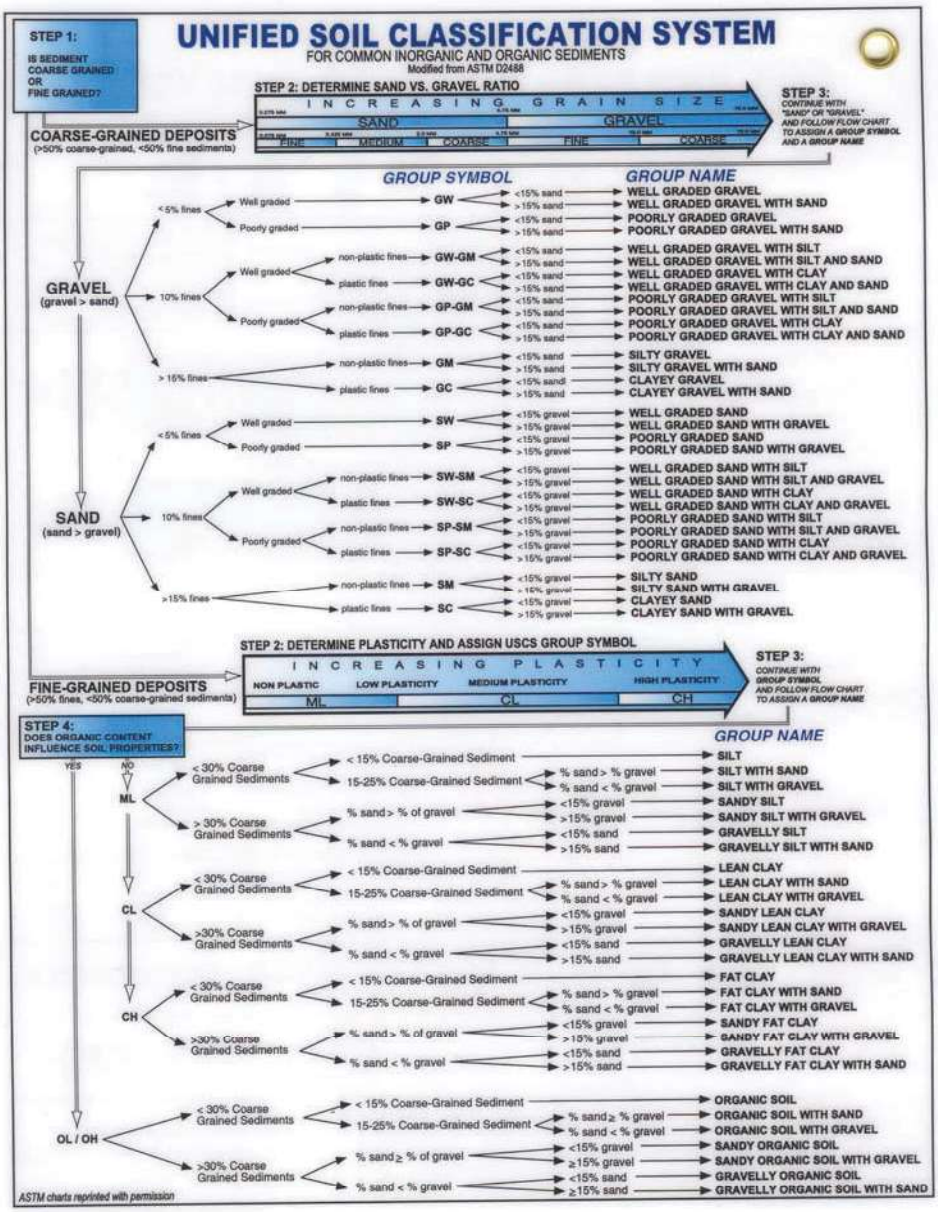


FIGURE 3

ILLUSTRATION OF PARTICLE SIZES

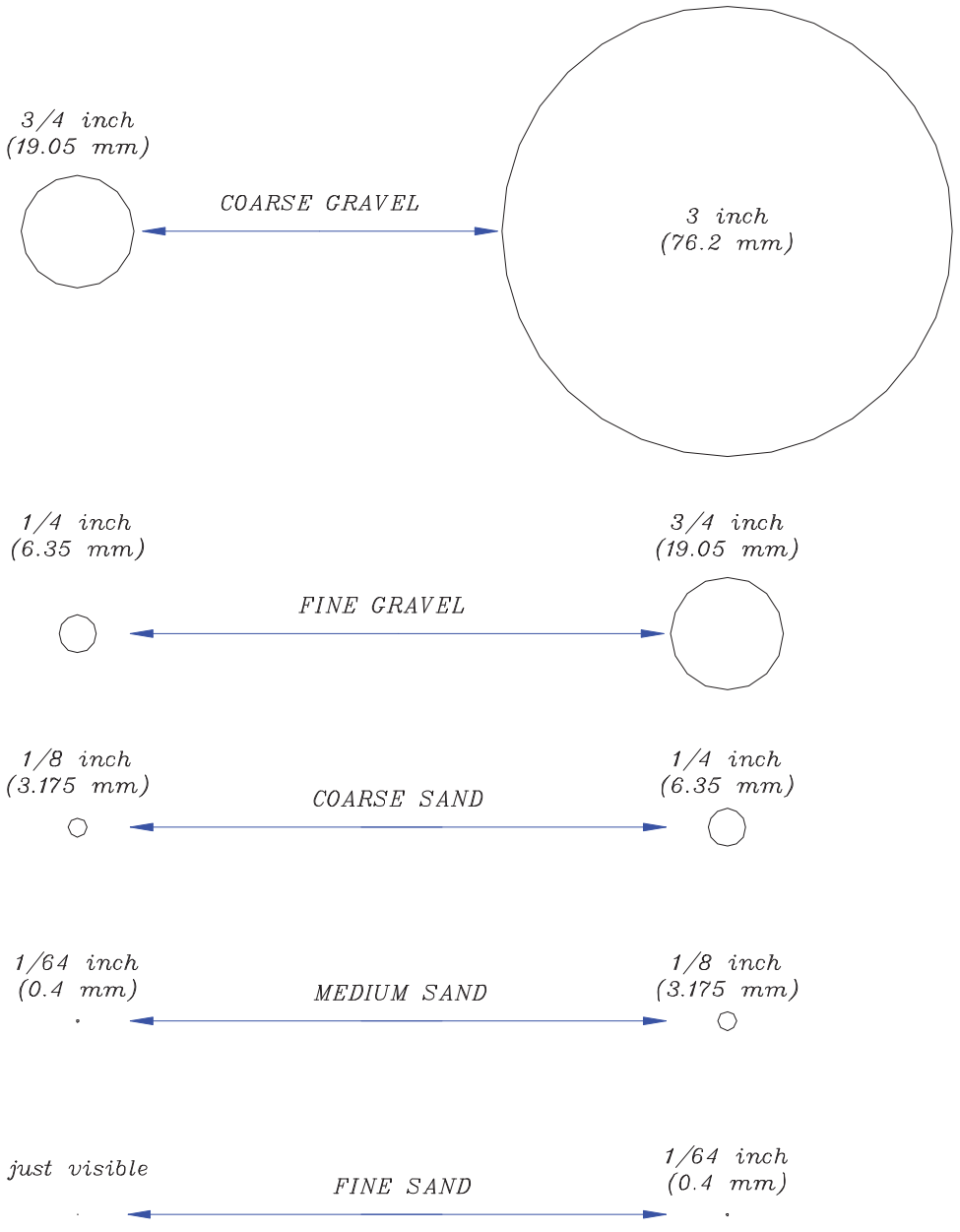


FIGURE 4

GRAIN-SIZE SCALE (MODIFIED WENTWORTH SCALE)

Grain size refers to the physical dimensions of particles of rock or other solid. This is different from the crystallite size, which is the size of a single crystal inside the solid (a grain can be made of several single crystals). Grain sizes can range from very small colloidal particles, through clay, silt, sand, and gravel, to boulders. Size ranges define limits of classes that are given names in the Wentworth scale used in the United States. The Krumbein *phi* (φ) scale, a modification of the Wentworth scale created by W. C. Krumbein, is a logarithmic scale computed by the equation: $\varphi = -\log_2(\text{grain size in mm})$.

φ scale	Size range (metric)	Size range (approx. inches)	Aggregate name (Wentworth Class)
< −8	> 256 mm	> 10.1 in	Boulder
−6 to −8	64–256 mm	2.5–10.1 in	Cobble
−5 to −6	32–64 mm	1.26–2.5 in	Very coarse gravel
−4 to −5	16–32 mm	0.63–1.26 in	Coarse gravel
−3 to −4	8–16 mm	0.31–0.63 in	Medium gravel
−2 to −3	4–8 mm	0.157–0.31 in	Fine gravel
−1 to −2	2–4 mm	0.079–0.157 in	Very fine gravel
0 to −1	1–2 mm	0.039–0.079 in	Very coarse sand
1 to 0	½–1 mm	0.020–0.039 in	Coarse sand
2 to 1	¼–½ mm	0.010–0.020 in	Medium sand
3 to 2	125–250 μm	0.0049–0.010 in	Fine sand
4 to 3	62.5–125 μm	0.0025–0.0049 in	Very fine sand
8 to 4	3.90625–62.5 μm	0.00015–0.0025 in	Silt
> 8	< 3.90625 μm	< 0.00015 in	Clay
<10	< 1 μm	< 0.000039 in	Colloid

In some schemes "gravel" is anything larger than sand (>2.0 mm), and includes "granule", "pebble", "cobble", and "boulder" in the above table. In this scheme, "pebble" covers the size range 4 to 64 mm (−2 to −6 φ).

FOP 054.2

SOIL DESCRIPTION PROCEDURES USING THE VISUAL-MANUAL METHOD

Project No: **Borehole Number:**

Project:

Client: *Logged By:*

Site Location: *Checked By:*

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

Benchmark Environmental Engineering & Science, PLLC
726 Exchange Street, Suite 624
Buffalo, NY
(716) 856-0599

SUBSURFACE PROFILE			SAMPLE						
Elev. /Depth	Symbol	Description (ASTM D2488: Visual-Manual Procedure)	Sample No.	SPT N-Value	Recovery (ft)	Symbol	PID VOCs ppm 0 25 50	Lab Sample	Well Completion Details or Remarks
0.0 / 0.0		Ground Surface							

SAMPLE

Drilled By: *Hole Size:*
Drill Rig Type: *Stick-up:*
Drill Method: *Datum:*

Drill Date(s): *Sheet: 1 of 1*

ROUX

FIELD OPERATING PROCEDURES

Soil Sample Collection for VOC Analysis (EnCore Sampling)

FOP 057.0

SOIL SAMPLE COLLECTION FOR VOC ANALYSIS – ENCORE SAMPLING

BACKGROUND AND PURPOSE

This procedure describes the methods for collecting soil samples for VOC analysis to ensure that the sample adequately represents the VOC concentrations in the soil in accordance with SW-846 Method 5035A (effective July 1, 2002). These compounds tend to volatilize from the soil after disturbance or introduction to the atmosphere. Therefore, care must be exercised to ensure that the sample collected is not altered during the collection and storage procedures. A variety of sampling options are allowed and Appendix A of Method 5035A provides details regarding the many options available for sample collection. The collection and preservation procedures are intended to prevent loss of VOCs during sample transport, handling and analysis.

Method 5035A is a method designed for volatile sample collection and analysis of soils and solid wastes for volatile organic compounds. This method is described in Update III to the Third Edition of SW-846, *Test Methods for Evaluating Solid Waste, Physical/Chemical Methods*, and is required for all analytical methods using purge and trap techniques (8021, 8015B, and 8260B). Alternative protocols may be used in some states (including New York), however this method is strongly recommended.

The volatile analysis is performed over two ranges:

	GC/MS (µg/kg)	GC (µg/kg)
Low Level	5 – 300	Not Available
High Level	>250	>20

The different levels require different sampling techniques. The low level method can only handle samples within a specific concentration range (these samples CANNOT be diluted), therefore a high level sample MUST be collected to ensure that all the target analytes can be quantified.

Naturally occurring carbonates in some soils may cause effervescence (foaming) on contact with the sodium bisulfate (NaHSO4) solution used as preservative for the low-level preparation. This interference makes it necessary for the laboratory to use the high-level prep or an alternative technique for low level. Check with the NYSDEC to discuss acceptable options.

Typically, analytical laboratories will support the following options for the two levels:

Option	No. of Containers	Sample Size (g)	Holding Time (days)
A – Low Level EnCore™ Samplers	3*	5	14**
B – High Level EnCore™ Sampler	1*	5	14**
C – High Level Methanol vial w/syringe	1	10	14

* Additional EnCore™ Samplers are required for MS/MSD.

** The sample MUST be extracted and preserved in sodium bisulfate or methanol within 48 hours of collection.

NOTE: The EnCore™ Sampler is disposable – it can only be used ONCE. It CANNOT be cleaned and/or reused. The samplers MUST be used in conjunction with an EnCore™ T-handle.

PROCEDURE

The preferred method for collecting and storing a soil sample for VOC analysis is using the EnCore™ method. This field procedure is described in this FOP.

1. The sampling team should reference the manufacturers' directions prior to sample collection (attached).

    a. Ensure that the EnCore™ Sampler is present at the sampling location before collecting the sample from the borehole or surface sample location. The necessary parts of the EnCore™ Sampler will consist of three disposable coring bodies, three disposable caps, and a reusable stainless steel T-handle.

    b. Retrieve the sampling tool from the borehole or sample location.

    c. Expose a surface of the soil sample. For Shelby tube samples, this would require the extrusion of the sample. For split spoon samples, this would require the spoon be disassembled and opened. If liners are being used in conjunction with a split spoon or solid barrel sampler, this would require the removal of the liners from the sampler, so that the soil at the liner's end is exposed.

    d. Following the manufacturer's directions for the use of the EnCore™ Sampler (attached), collect three aliquots of soil from the exposed soil surface, using the three coring bodies. After the collection of each aliquot, cap and label each aliquot. The manufacturer's direction for use of the EnCore™ Sampler are attached

2. If the use of the EnCore™ Sampler is not possible due to soil texture (e.g. gravels) the sample must be field preserved with acid and methanol in accordance with SW-846 Method 5035A.

3. If the soil material is too coarse for sampling with the EnCore™ Sampler and contains excessive calcium carbonate material that reacts with the acid preservative, the sample will be retained in the brass or stainless steel liner of the split-spoon sampler or similar device. The ends of these liners will be covered with Teflon™ rounds, capped and sealed with tape.

4. Record all information associated with sample collection in the Project Field Book.

5. The samples will be labeled, stored and shipped in accordance with the Roux Field Operating Procedure for Sample Labeling, Storage and Shipment Procedures.

ATTACHMENTS

EnCore™ Sampling Procedure (manufacturers instructions)

REFERENCES

Roux FOPs:

046 Sample Labeling, Storage and Shipment Procedures

ATTACHMENT

EnCore™ Sampling Procedure (manufacturers instructions)

Disposable
En Core® Sampler

Sampling Procedures

Using The
En Core® T-Handle

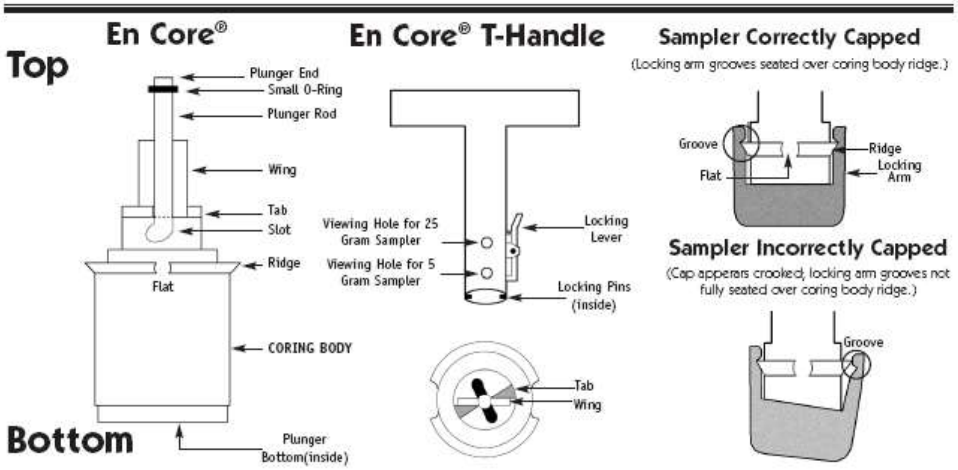
En Novative Technologies, Inc.
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Green Bay, WI 54302
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Toll Free: 888-411-0757
www.ennovativetech.com

NOTE:

1. En Core® Sampler is a SINGLE USE device. It cannot be cleaned and/or reused.

2. En Core® Sampler is designed to store soil. Do not use En Core Sampler to store solvent or free product!

3. En Core® Sampler must be used with En Core® T-Handle and/or En Core® Extrusion Tool exclusively. (These items are sold separately.)



BEFORE TAKING SAMPLE:

1. Hold **coring body** and push **plunger rod** down until **small o-ring** rests against **tabs**. This will assure that plunger moves freely.

2. Depress **locking lever** on En Core T-Handle. Place coring body, **plunger end first**, into open end of T-Handle, *aligning the (2) slots on the coring body with the (2) locking pins in the T-Handle*. Twist coring body clockwise to lock pins in slots. Check to ensure Sampler is locked in place. Sampler is ready for use.

TAKING SAMPLE:

3. Turn T-Handle with T-up and coring body down. This positions plunger bottom flush with bottom of coring body (ensure that plunger bottom is in position). Using T-Handle, push Sampler into soil until coring body is completely full. When full, small o-ring will be centered in T-Handle **viewing hole**. Remove Sampler from soil. Wipe excess soil from coring body exterior.

4. Cap coring body while it is still on T-handle. *Push* **cap** over **flat** area of **ridge** *and twist* to lock **cap** in place. **CAP MUST BE SEATED TO SEAL SAMPLER (see diagram).**

PREPARING SAMPLER FOR SHIPMENT:

5. Remove the capped Sampler by depressing locking lever on T-Handle while twisting and pulling Sampler from T-Handle.

6. Lock plunger by rotating extended plunger rod fully counter-clockwise until **wings** rest firmly against tabs (see plunger diagram).

7. Attach completed tear-off label (from En Core Sampler bag) to cap on coring body.

8. Return full En Core Sampler to zipper bag. Seal bag and put on ice.

Disposable En Core® Sampler

EXTRUSION PROCEDURES

USING THE En Core® EXTRUSION TOOL

CAUTION! Always use the Extrusion Tool to extrude soil from the En Core Sampler. If the Extrusion Tool is not used, the Sampler may fragment, causing injury.

1. Use a pliers to break locking arms on cap of En Core Sampler. Do not remove cap at this time. **(CAUTION: Broken edges will be sharp.)**

2. To attach En Core Sampler to En Core Extrusion Tool: Depress locking lever on Extrusion Tool and place Sampler, plunger end first, into open end of Extrusion Tool, aligning slots on coring body with pins in Extrusion Tool. Turn coring body clockwise until it locks into place. Release locking lever.

3. Rotate and gently push Extrusion Tool plunger knob clockwise until plunger slides over wings of coring body. (When properly positioned plunger will not rotate further.)

4. Hold Extrusion Tool with capped Sampler pointed upward so soil does not fall out when cap is removed. To release soil core, remove cap from Sampler and push down on plunger knob of En Core Extrusion Tool. Remove and properly dispose of En Core Sampler.

Warranty and Disclaimers

IMPORTANT: FAILURE TO USE THE EN CORE® SAMPLER IN COMPLIANCE WITH THE WRITTEN INSTRUCTIONS PROVIDED HEREIN VOIDS ALL EXPRESS AND IMPLIED WARRANTIES, INCLUDING WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

PRINCIPLE OF USE. The En Core Sampler Cartridge System is a volumetric sampling system designed to collect, store and deliver a soil sample. The En Core Sampler comes in two sizes for sample volumes of approximately 25 or 5 grams. There are four components: the cartridge with a movable plunger; a cap with two locking arms; a T-handle (purchased separately); and an extrusion handle (purchased separately). NOTE: The En Core Sampler is designed to store soil. It is not designed to store solvent or free product.

The soil is stored in a sealed headspace-free state. The seals are achieved by three special Viton® * o-rings, two located on the plunger and one on the cap of the Sampler. At no time and under no condition should these o-rings be removed or disturbed.

QUALITY CONTROL. The cartridge is sealed in an airtight package to prevent contamination prior to use. Due to the stringent quality control requirements associated with the use of this system, the disposable cartridge is designed to be used only once.

WARRANTY. En Novative Technologies, Inc. ("En Novative Technologies") warrants that the En Core Sampler shall perform consistent with the research conducted under En Novative Technologies' approval, within thirty (30) days from the date of delivery, provided that the Customer gives En Novative Technologies prompt notice of any defect or failure to perform and satisfactory proof thereof. THIS WARRANTY DOES NOT APPLY TO THE FOLLOWING, AS SOLELY DETERMINED BY EN NOVATIVE TECHNOLOGIES: (a) Damage caused by accident, abuse, mishandling or dropping; (b)Samplers that have been opened, taken apart or mishandled; (c)Samplers not used in accordance with the directions; and (d)Damages exceeding the cost of the sampler. Seller warrants that all En Core Samplers shall be free from defects in title. THE FOREGOING WARRANTIES ARE IN LIEU OF ALL OTHER WARRANTIES, WHETHER ORAL, WRITTEN, EXPRESSED, IMPLIED OR STATUTORY, INCLUDING ANY INFORMATION PROVIDED BY SALES REPRESENTATIVES OR IN MARKETING LITERATURE. IMPLIED WARRANTIES OF FITNESS AND MERCHANTABILITY SHALL NOT APPLY. En Novative Technologies' warranty obligations and Customer's remedies, except as to title, are solely and exclusively as stated herein.

LIMITATION OF LIABILITY. IN NO EVENT SHALL EN NOVATIVE TECHNOLOGIES BE LIABLE FOR ANTICIPATED PROFITS, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES, INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF REVENUE, DOWN TIME, REMEDIATION ACTIVITIES, REMOBILIZATION OR RESAMPLING, COST OF CAPITAL, SERVICE INTERRUPTION OR FAILURE OF SUPPLY, LIABILITY OF CUSTOMER TO A THIRD PARTY, OR FOR LABOR, OVERHEAD, TRANSPORTATION, SUBSTITUTE SUPPLY SOURCES OR ANY OTHER EXPENSE, DAMAGE OR LOSS, INCLUDING PERSONAL INJURY OR PROPERTY DAMAGE. En Novative Technologies' liability on any claim of any kind shall be replacement of the En Core Sampler or refund of the purchase price. En Novative Technologies shall not be liable for penalties of any description whatsoever. In the event the En Core Sampler will be utilized by Customer on behalf of a third party, such third party shall not occupy the position of a third-party beneficiary of the obligation or warranty provided by En Novative Technologies, and no such third party shall have the right to enforce same. All claims must be brought within one (1) year of shipment, regardless of their nature.

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The En Core™ Sampler is covered by One or More of the Following U.S. Patents: 5,343,771; 5,505,098; 5,517,868; 5,522,271. Other U.S. and Foreign Patents Pending.

* Viton® is a registered trademark of DuPont Dow Elastomers.

ROUX

FIELD OPERATING PROCEDURES

Split-Spoon Sampling Procedures

FOP 058.0

SPLIT-SPOON SAMPLING PROCEDURES

PURPOSE

This guideline presents the methods for using a split-spoon sampler for collecting soil samples from a boring and for estimating the relative in-situ compressive strength of subsurface materials (ASTM D 1586). Representative samples for lithologic description, geochemical analysis, and geotechnical testing will be collected from the subsurface materials using the split-spoon sampler.

PROCEDURE

1. Place plastic sheeting on a sturdy surface to prevent the split-spoon and its contents from coming in contact with the surface (several layers of sheeting may be placed on the surface so that they may be removed between each sample or as needed).

2. Lower the sampling string to the base of the borehole. Measure the portion of the sampling string that extends above surrounding grade (i.e. the stickup). The depth of sampling will equal the total length of the string (sampler plus rods) minus the stickup length.

3. Measure sampling depths to an accuracy of 0.1 feet. If field measurements indicate the presence of more than 0.3 feet of disturbed materials in the base of the borehole (i.e. slough), the sampler will be used to remove this material, after which a second sampling trip will be made.

4. Select additional sampler components as required (i.e., leaf spring core retainer for clays or a sand trap for non-cohesive sands). If a retainer or trap is not used, a spacer ring will be used to hold the liners in position inside the sampler.

5. For driving samples, attach the drive head sub and hammer to the drill rods without the weight resting on the rods. For pushing samples using the rig hydraulics, skip to Step 9.

6. Mark four 6-inch intervals on the drill rods relative to a reference point on the drill rig. With the sampler resting on the bottom of the hole, drive the sampler with the 140 lb. hammer falling freely over a 30-inch fall until 24 inches have been penetrated or 50 blows applied.

7. Record the number of blows per 6 inches. Determine the "N" value by adding the blows for the 6 to 12-inch and 12 to 18-inch intervals of each sample drive.

8. After penetration is complete, remove the sampling string. Avoid removing sampling string by hitting up on the string with the hammer as this can cause the sample to fall from the bottom of the split-spoon sampler. The sampling string should be removed via cable lifting or rig hydraulics. If sample retention has been poor, let the sampling string rest in place for at least 3 minutes, then rotate clockwise at least 3 times before removing from the borehole.

9. For pushed samples (i.e., using rig hydraulics), mark four 6-inch intervals on the drill rods relative to a reference point on the rig. Use the rig pull-down to press the sampler downward until 24 inches have been penetrated or no further progress can be made with the full weight of the rig on the sampler.

10. Remove the split-spoon sampler from the sampling string and place on the plastic-covered surface.

11. Open the split-spoon sampler only when the Roux field geologist is prepared to describe and manage the sample.

12. Describe the sample in accordance with the Unified Soil Classification System in accordance with the Roux FOP: Soil Description Procedures Using the Unified Soil Classification System (USCS).

13. Record all information in accordance with Roux's FOP: Documentation Requirements for Drilling and Well Installation.

14. Collect a portion of the sample for field screening as described in the Roux FOP: Screening of Soil Samples for Organic Vapors During Drilling Activities.

15. If applicable, collect soil samples for volatile organic constituents (VOCs). If applicable, collect sample for semi-volatile, metals, geotechnical, or other off-site analysis.

16. The samples will be labeled, stored and shipped in accordance with the Roux's FOP: Sample Labeling, Storage and Shipment Procedures.

ATTACHMENTS

none

REFERENCES

Roux FOPs:

015 Documentation Requirements for Drilling and Well Installation
046 Sample Labeling, Storage and Shipment Procedures
047 Screening of Soil Samples for Organic Vapors During Drilling Activities
054 Soil Description Procedures Using the Unified Soil Classification System (USCS)

ROUX

FIELD OPERATING PROCEDURES

Surface and Subsurface Soil Sampling Procedures

FOP 063.2

SURFACE AND SUBSURFACE SOIL SAMPLING PROCEDURES

PURPOSE

This procedure describes the methods for sampling surface soil and subsurface soil samples for physical and chemical laboratory analysis during intrusive activities such as test pitting, hand augering, drilling, surface soil sampling etc. Typical health and safety related issues should be addressed in the Project Health and Safety Plan.

PRE-SAMPLING PROCEDURES

1. Review project objectives and the Project Health and Safety Plan (HASP).

2. Conduct tailgate health and safety meeting with project team and/or subcontractor(s) by completing the Tailgate Safety Meeting Form (sample attached).

3. Calibrate air-monitoring equipment in accordance with the appropriate Roux's Field Operating Procedures or manufacturers recommendations for calibration of field meters.

4. Commence intrusive activities in accordance with specific Roux FOPs (test pitting, hand augering, drilling etc.) or as directed by the Project Work Plan.

5. Conduct air monitoring as required by the HASP, Project Work Plan or Roux's FOP Real-Time Air Monitoring During Intrusive Activities. Record all results on the Real Time Air Monitoring Log (sample attached).

6. Decontaminate all non-dedicated stainless steel (or Pyrex glass) equipment in accordance with Roux's Non-disposable and Non-dedicated Sampling Equipment Decontamination procedures.

7. Collect soil samples in accordance with the following sections.

SURFACE AND SUBSURFACE SOIL SAMPLING PROCEDURES

SURFACE SOIL/FILL SAMPLING PROCEDURES

Collection of surface soil/fill samples facilitates the evaluation of potential health risks to current site receptors that may be exposed to soil/fill via direct contact, incidental ingestion, or inhalation of airborne particulates. The following procedure is in accordance with NYSDEC sampling protocol of surface soil/fill material.

1. Collect all soil samples using dedicated (or decontaminated non-dedicated) sampling tools (i.e., spoons, trowels, bowls etc.), preferably constructed of stainless steel.

2. If the sample area is vegetated, then collect the surface soil sample from 0 to 2 inches below ground surface (bgs) following removal of the sod.

3. If there is no soil present within the sample area (i.e., only slag, concrete, mixed with fines), excavate an area 12 inches by 12 inches by 6 inches deep, screen the material to less than 1/8 inch (No. 4 sieve), and submit the screened material for analysis. If there is not enough material to completely fill the sample jar, then expand the excavation 3 inches in all four directions screening the additional material. Expand the excavation in this manner until sufficient sample volume is obtained. Volatile organic analysis of surface soil/fill utilizing this method will yield negatively biased results and should not be performed.

SURFACE/SUBSURFACE SOIL SAMPLING PROCEDURES

1. Collect all soil samples using dedicated (or decontaminated non-dedicated) sampling tools (i.e., spoons, trowels, bowls etc.), preferably constructed of stainless steel.

   Surface soil samples are typically collected from 0 to 6 inches below ground surface (bgs). Subsurface soils are typically sampled from varying depths greater than 6-inches bgs based on field observations and as directed by the Project Work Plan.

2. Transfer samples for chemical (VOC, SVOC, Metals etc.) and physical (i.e., Atterberg Limits, Grain Size, Permeability etc.) analytical testing by direct grab (i.e., directly from the bucket of the excavation equipment, split-spoon sampler, hand auger etc.) using the dedicated (or decontaminated non-dedicated) sampling tools into appropriate laboratory-supplied containers and seal. The chemical or physical laboratory selected to perform the analysis should determine minimum sample volume for analysis.

3. Prepare collected samples in accordance with Roux's FOP: Sample Labeling, Storage and Shipment Procedures. Do not allow the chemical soil samples to freeze during storage and shipping. It should be noted, ice is not required for physical soil samples and all physical soil samples should be kept at the collected soil moisture by securing with a tight sealing lid. Do not allow physical soil samples to gain or lose moisture from the collected soil moisture prior to analysis.

4. Record all sampling details (i.e., depth and location) in the Project Field Book; appropriate Roux log sheets depending on method of intrusion (i.e., drilling, test pitting, hand augering etc.); and on the Soil/Sediment Sample Collection Summary Log (sample attached).

PARAMETER-SPECIFIC PROCEDURES

1. Volatile Organic Compound (VOCs): Transfer sufficient soil volume to fill the laboratory-supplied container (typically 4 ounces) by packing the soil sample with the sampling tool to the top of the container leaving no headspace. At no time should a gloved hand (i.e., latex, nitrile etc.) be used to pack the sample into the sample container as the sample may be compromised via cross-contamination.

2. All Other Parameters: All other parameters include, but are not limited to, Semi-VOCs (SVOCs), polychlorinated biphenyls (PCBs), herbicides, pesticides, total metals etc. Transfer sufficient soil volume to fill the laboratory-supplied container by packing the soil sample with the sampling

tool to the top of the container. Unless otherwise indicated by the laboratory or the Project Work Plan, the sample jar for all other parameters does not have to be packed completely leaving no headspace as with the VOC containers.

ATTACHMENTS

Tailgate Safety Meeting Form (sample)
Soil/Sediment Sample Collection Summary Log (sample)
Real Time Air Monitoring Log (sample)

REFERENCES

Roux FOPs:

006 *Calibration and Maintenance of Combustible Gas/Oxygen Meter*
010 *Calibration and Maintenance of Portable Flame Ionization Detector*
011 *Calibration and Maintenance of Portable Photoionization Detector*
040 *Non-disposable and Non-dedicated Sampling Equipment Decontamination*
046 *Sample Labeling, Storage and Shipment Procedures*
073 *Real-Time Air Monitoring During Intrusive Activities*

TAILGATE SAFETY MEETING FORM

Project Name: Date: Time:
Project Number: Client:
Work Activities:

HOSPITAL INFORMATION:

Name:
Address: *City:* *State:* *Zip:*
Phone No.: *Ambulance Phone No.*

SAFETY TOPICS PRESENTED:

Chemical Hazards:

Physical Hazards: Slips, Trips, Falls

PERSONAL PROTECTIVE EQUIPMENT:

Activity:	*PPE Level:*	A	B	C	D
Activity:	*PPE Level:*	A	B	C	D
Activity:	*PPE Level:*	A	B	C	D
Activity:	*PPE Level:*	A	B	C	D
Activity:	*PPE Level:*	A	B	C	D

New Equipment:

Other Safety Topic (s): Environmental Hazards (aggressive fauna)
Eating, drinking, use of tobacco products is prohibited in the Exclusion Zone (EZ)

ATTENDEES

Name Printed	Signatures

Meeting conducted by:

SAMPLE

SURFACE AND SUBSURFACE SOIL SAMPLING PROCEDURES

SOIL/SEDIMENT

SAMPLE COLLECTION SUMMARY LOG

Field ID	Location	QC Type	Depth (feet)		Analytical Parameters	Containers	Date	Time	Sampler Initials	Comments (e.g. problems encountered, ref. to variance, location changes, depth changes, important matrix observations or description, gravel thickness, etc.)
			from	to						

Equipment Rinsate Blanks - Pour deon deionized water over or through decontaminated sampling equipment into sample containers. Collect at a frequency of 1 per sampling method per day. Analyze for all those parameters analyzed for in the samples collected the same day. HSL Metals can be substituted by only the Metals analyzed for that day (except Hex. under Chromium which needs a separate container). Match equipment used for constituents of concern to rinsate analyte. Note deionized water lot # or distilled water manufacturers info etc. here.

MS/MSD/MSB - Collect at a frequency of 1 per 20 samples of each matrix per day. Analyze for all those parameters analyzed for the samples collected the same day.

Field Blank - Pour deon deionized water (used as final deon rinse water) into sample containers while at the sampling site. Collect field blanks at a frequency of 1 per lot of deionized water. Note water lot number and dates in use for decon in 'Comments' section.

Investigation Derived Waste (IDW) Characterization samples - One composite sample from all drums of decon fluids and soil. Please note number of drums and labels on collection log.

Notes:

1. See QAPP for sampling frequency and actual number of QC samples.
2. CWM - clear, wide-mouth glass jar with Teflon-lined cap.
3. HDPE - high density polyethylene bottle.
4. MS/MSD/MSB - Matrix Spike, Matrix Spike Duplicate, Matrix Spike Blank
5. BD - Blind Duplicate - indicate location of duplicate.

SAMPLE

REAL TIME AIR MONITORING LOG

Date:
Project Name:
Project Number:
Project Location:
Client:
Purpose of Air Monitoring:

WEATHER CONDITIONS:

Time of Day:	A.M.	P.M.
Ambient Air Temp.:		
Wind Direction:		
Wind Speed:		
Precipitation:		

Date	Personnel	Time	Air Monitoring Meter Measurement (Units)							Location/Activity/Comments
			PID (ppm)	LEL (%)	H_2S (ppm)	O_2 (%)	CO (ppm)	Particulates (mg/m^3)	Other	

SAMPLE

NOTE: SEE EQUIPMENT CALIBRATION LOG FOR DESCRIPTION OF EQUIPMENT TYPE.

Prepared By: Date:

ROUX

FIELD OPERATING PROCEDURES

Test Pit Excavation and Logging Procedures

FOP 065.1

TEST PIT EXCAVATION & LOGGING PROCEDURES

PURPOSE

This procedure describes the methods for completing test pits, trenches, and other excavations that may be performed to expose subsurface soils or materials. In most cases, these pits will be mechanically excavated, using a backhoe, trackhoe, or other equipment. Because pits and other excavations can represent a substantial physical hazard, it requires a particular focus on safety procedures. The Project Health and Safety Plan identifies practices related to excavation permits, entry, and control that must be incorporated into excavation activities.

EXCAVATION PROCEDURE

1. Review project objectives and the Project Health and Safety Plan (HASP).

2. Perform excavation equipment safety checks with the operator. Specific concerns should include, but not limited to, no leaking hydraulic lines, fire extinguisher on board of the excavation equipment, operator experience etc.

3. Conduct tailgate health and safety meeting with project team and excavation operator(s) by completing the Tailgate Safety Meeting Form (sample attached).

4. Calibrate air-monitoring equipment in accordance with the appropriate Roux's Field Operating Procedures or manufacturers recommendations for calibration of field meters.

5. Conduct air monitoring as required by the HASP and/or Project Work Plan. Record all results on the Real Time Air Monitoring Log (sample attached).

6. Mobilize the excavation equipment to the site and position over the required location.

7. Select excavation locations, which provide necessary information for achieving objectives. Check locations with owner/operator to ensure excavation

operations will not interfere with site operations, and select appropriate access routes.

8. Stake locations in the field and measure distance from locations to nearest landmarks. Survey location, if required.

9. Obtain clearances from appropriate utilities and, if buried waste/metallic objects are suspected, screen location with appropriate geophysical methods, as necessary.

10. Decontaminate excavation equipment in accordance with Roux's Drilling and Excavation Equipment Decontamination procedures.

11. Excavate pits. In uncontrolled areas, excavate only as many test pits as can be backfilled during the same day. Generally, allow equal time for excavation and backfilling. To the extent practicable, no pits should be left open overnight in an uncontrolled area. If sudden weather changes or other unforeseen events necessitate this, pits will be covered and/or barricaded and flagged with caution/hazard tape. These pits should be backfilled as soon as possible.

12. The Roux field geologist or experienced professional should determine the depth of excavation. The depth is generally limited by the safe reach of the selected equipment, but may also be limited by the stability of the excavated materials (i.e. wall stability).

13. Excavate the test pits in compliance with applicable safety regulations. In no case should a pit deeper than 4 feet be entered without first stabilizing the sidewalls by using forms, or by terracing or sloping (2:1 slope maximum) the sidewalls.

14. Excavated spoils must be placed no closer than 2 feet from the open excavation.

15. Collect soil samples from pit sidewalls in accordance with Roux's Surface and Subsurface Soil Sampling Procedures. If the test pit is greater than 4 feet in depth, it will not be entered for sampling. In this event, collect

samples using the backhoe bucket, then fill sample containers from the center of the bucket using the stainless steel sampling equipment (i.e., spoon, spade, trowel etc.) or drive a Shelby tube or EnCore™ sampler for VOCs.

16. Record excavation observations in the Project Field Book or Test Pit Excavation Log form (sample attached). Information recorded should include:

- Physical dimension of the pit;
- A scaled sketch of one side of the pit showing any lithologic contacts, zones of groundwater seepage, other special features (jointing, boulders, cobbles, zones of contamination, color abnormalities, etc.)
- General information such as project number, pit designation number, depth, date, name of responsible professional (i.e., geologist), type of excavating equipment utilized, time of excavation and backfilling, method of collecting samples and amount of sample collected (if applicable);
- Rate of groundwater inflow, depth to groundwater and time of measurement; and
- Unified Soil Classification System (USCS) designation of each distinctive unit.

17. Photograph each excavation, highlighting unique or important features. Use a ruler or other suitable item for scale. Include a label with the pit designation so the developed picture will be labeled.

18. Backfill pit to match the existing grade compacting in 2 to 3 foot lifts. Since the excavated material should be cover soil, the excess soil will be placed back into the hole. The Roux Field Team Leader will provide direction on whether excavated soils may be used as fill, or these materials are to be containerized as investigation derived waste.

ATTACHMENTS

Tailgate Safety Meeting Form (sample)
Real Time Air Monitoring Log (sample)
Test Pit Excavation Log (sample)

REFERENCES

Roux FOPs:

006 Calibration and Maintenance of Combustible Gas/Oxygen Meter
010 Calibration and Maintenance of Portable Flame Ionization Detector
011 Calibration and Maintenance of Portable Photoionization Detector
018 Drilling and Excavation Equipment Decontamination
063 Surface and Subsurface Soil Sampling Procedures

TAILGATE SAFETY MEETING FORM

Project Name: Date: Time:
Project Number: Client:
Work Activities:

HOSPITAL INFORMATION:

Name:
Address: *City:* *State:* *Zip:*
Phone No.: *Ambulance Phone No.*

SAFETY TOPICS PRESENTED:

Chemical Hazards:

Physical Hazards: Slips, Trips, Falls

PERSONAL PROTECTIVE EQUIPMENT:

Activity:	*PPE Level:*	A	B	C	D
Activity:	*PPE Level:*	A	B	C	D
Activity:	*PPE Level:*	A	B	C	D
Activity:	*PPE Level:*	A	B	C	D
Activity:	*PPE Level:*	A	B	C	D

New Equipment:

Other Safety Topic (s): Environmental Hazards (aggressive fauna)
Eating, drinking, use of tobacco products is prohibited in the Exclusion Zone (EZ)

ATTENDEES

Name Printed	Signatures

Meeting conducted by:

SAMPLE

REAL TIME AIR MONITORING LOG

Date:
Project Name:
Project Number:
Project Location:
Client:
Purpose of Air Monitoring:

WEATHER CONDITIONS:

Time of Day:	A.M.	P.M.
Ambient Air Temp.:		
Wind Direction:		
Wind Speed:		
Precipitation:		

Date	Personnel	Time	Air Monitoring Meter Measurement (Units)							Location/Activity/Comments
			PID (ppm)	LEL (%)	H_2S (ppm)	O_2 (%)	CO (ppm)	Particulates (mg/m³)	Other	

SAMPLE

NOTE: SEE EQUIPMENT CALIBRATION LOG FOR DESCRIPTION OF EQUIPMENT TYPE.

Prepared By: Date:

TEST PIT EXCAVATION LOG

Project:	TEST PIT I.D.:
Project No.	Excavation Date:
Client:	Excavation Method:
Location:	Logged / Checked By:

Test Pit Location: *NOT TO SCALE*

Test Pit Cross Section:



TIME		
Start:	Length:	(approx.)
End:	Width:	(approx.)
	Depth:	(approx.)

Depth (fbgs)	USCS Symbol & Soil Description	PID Scan (ppm)	Photos Y / N	Samples Collected (fbgs)

SAMPLE

COMMENTS:			
GROUNDWATER ENCOUNTERED:	yes	no	If yes, depth to GW:
VISUAL IMPACTS:	yes	no	Describe:
OLFACTORY OBSERVATIONS:	yes	no	Describe:
NON-NATIVE FILL ENCOUNTERED:	yes	no	
OTHER OBSERVATIONS:	yes	no	Describe:
SAMPLES COLLECTED:	yes	no	Sample I.D.:
			Sample I.D.:
			Sample I.D.:

ROUX

FIELD OPERATING PROCEDURES

Well/Piezometer Construction Materials and Design

FOP 070.0

WELL/PIEZOMETER CONSTRUCTION MATERIALS AND DESIGN

PURPOSE

This guideline presents construction materials and design requirements for monitoring well/piezometer installations in accordance with NYSDEC recommended specifications (6NYCRR Part 360).

CONSTRUCTION MATERIALS

1. Well Screen and Riser – Only new flush threaded screen and riser materials will be used. Screen and riser materials, well dimensions, screen slot opening size and length to be determined based on formation characteristics and suspect water quality or as specified by the project geologist/hydrogeologist. A vented cap or J-plug should be placed over the riser. A V-slot cut in the riser or permanent marking, both placed on the north side of the riser, will act as a monitoring reference point.

2. Bentonite Well Seal – The bentonite should be from a commercial source free of chemical additives (granular or powdered for grout and pelletized for seal).

3. Concrete – Low heat of hydration concrete should be used for grout and cementing protective casing if well construction materials are composed of PVC (ASTM Type II or Type IV Portland Cement).

4. Water – Water should be from a potable source of known chemistry and free of chemical constituents which may compromise integrity of installation.

5. Grout – Mixture of bentonite, cement and water in accordance with the following specifications. Premix bentonite and water prior to adding cement.

   Grout Slurry Composition (% Weight)

1.5 to 3.0%	-	Bentonite (Quick Gel)
40 to 60 %	-	Cement (Portland Type I)
40 to 60 %	-	Potable Water

6. Filter Pack – The filter pack should consist of clean, inert, siliceous, rounded to subrounded particles. Filter pack particle size is dependent on the formation and the slot size of the screen.

   A secondary filter about 6-inches thick may be placed between filter pack and the bentonite seal and potentially between the bentonite seal and the grout backfill, to minimize grout penetration of the seal. A uniformly graded fine sand (100% passing No. 30 sieve) should be used as a secondary filter.

7. Protective Casing, Locking Cap and Lock – Protective casing with a lockable cap should be cemented in place around the riser. The inside diameter of the protective casing should be a minimum of 2-inches larger than the outside diameter of the well riser. The annular space between the casing and the riser should be filled with pea gravel or coarse sand. A weep hole should be drilled near the base of the casing to facilitate drainage of standing water. If more than one well is installed, all locks should be keyed alike.

8. A sample of all cement, bentonite and sand used in well construction should be saved in a labeled, Teflon-sealed, precleaned glass jar.

REFERENCES

New York State Department of Environmental Conservation, July 1988, *Drilling and Monitoring Well Installation Guidance Manual.*

Driscoll, F.G., 1987, *Groundwater and Wells*, Johnson Division, St. Paul, Minnesota, p. 1089.

Sara, M. N., *Proposed Recommended Practice for Design and Installation of Ground Water Monitoring Wells in Aquifers: ASTM Subcommittee D18.21.*

ROUX

FIELD OPERATING PROCEDURES

Real-Time Air Monitoring During Intrusive Activities

FOP 073.2

REAL-TIME AIR MONITORING DURING INTRUSIVE ACTIVITIES PROCEDURE

PURPOSE

This guideline presents requirements for real-time community air monitoring and required responses during all project required intrusive activities, such as drilling, test pitting, earthwork construction etc. This procedure is consistent with the requirements for community air monitoring for all intrusive projects, including projects conducted at remediation sites, as established by the New York State Department of Health (NYSDOH) and the New York State Department of Environmental Conservation (NYSDEC). Accordingly, it follows procedures and practices outlined under NYSDEC's DER-10 (May 2010) Appendix 1A (NYSDOH's Generic Community Air Monitoring Plan) and Appendix 1B (Fugitive Dust and Particulate Monitoring).

This FOP requires real-time monitoring for constituents of concern (COC) (i.e., volatile organic compounds (VOCs), lower explosive limit (% LEL), particulates (i.e., dust) etc.) at the upwind and downwind perimeter as well as the exclusion zone of a project site during all intrusive activities. This FOP is not intended for use in establishing action levels for worker respiratory protection (see Project Health and Safety Plan (HASP) for worker protection action levels). Rather, its intent is to provide a measure of protection for the surrounding community from potential airborne contaminant releases as a direct result of investigative and remedial work activities. The community, as referenced in this document, includes any off-site residences, public buildings/grounds and commercial or industrial establishments adjacent to the project site. The action levels specified herein require increased monitoring, corrective actions to abate emissions, and/or work shutdown. Additionally, this FOP helps to confirm that work activities did not spread contamination off-site through via air transport mechanisms. Community air monitoring shall be integrated with the construction

worker personal exposure-monitoring program contained in the project and site-specific HASP.

Depending upon the nature of known or potential contaminants at each site, real-time air monitoring for volatile organic compounds (VOCs) and/or particulate levels at the perimeter of the exclusion zone or work area will be necessary. Most sites will involve VOC and particulate monitoring; sites known to be contaminated with heavy metals alone may only require particulate monitoring. If radiological contamination is a concern, additional monitoring requirements may be necessary per consultation with appropriate NYSDEC/NYSDOH staff.

MONITORING & MITIGATION PROCEDURE

Real-time air monitoring perimeter locations for monitoring stations will be established based on the location of the exclusion zone (i.e., immediate work area) and wind direction. Where wind direction is shifting or winds are calm, the downwind monitoring location will default to the perimeter location nearest the most sensitive receptor (i.e., residential property). All downwind receptors being equal, the downwind monitoring location will default to the perimeter location downwind of the prevailing winds at the site. Although additional site specific COCs may be monitored during real-time air monitoring activities, the most common COCs are discussed in this FOP, including organic vapors (i.e., VOCs), airborne particulates (i.e., fugitive dust) and combustible gases (i.e., methane) and oxygen.

Continuous monitoring will be required for all ground intrusive activities and during the demolition of contaminated or potentially contaminated structures. Ground intrusive activities include, but are not limited to, soil/waste excavation and handling, test pitting or trenching, and the installation of soil borings or monitoring wells.

Periodic monitoring for VOCs will be required during non-intrusive activities such as the collection of soil and sediment samples or the collection of groundwater samples from existing monitoring wells. "Periodic" monitoring during sample collection might reasonably consist of taking a reading upon arrival at a sample location, monitoring while opening a well cap or overturning soil, monitoring during well baling/purging, and taking a reading prior to leaving a sample location. In some instances, depending upon the proximity of potentially exposed individuals, continuous monitoring may be required during sampling activities. Examples of such situations include groundwater sampling at wells on the curb of a busy urban street, in the midst of a public park, or adjacent to a school or residence

ORGANIC VAPORS

Volatile organic compounds (VOCs) must be monitored at the downwind perimeter of the immediate work area (i.e., the exclusion zone) on a continuous basis or as otherwise specified. Upwind concentrations should be measured at the start of each workday and periodically thereafter to establish background conditions. The monitoring work should be performed using equipment appropriate to measure the types of contaminants known or suspected to be present. The equipment should be calibrated at least daily for the contaminant(s) of concern or for an appropriate surrogate. The equipment should be

capable of calculating 15-minute running average concentrations, which will be compared to the levels specified below.

- If the ambient air concentration of total organic vapors at the downwind perimeter of the work area or exclusion zone exceeds 5 parts per million (ppm) above background for the 15-minute average, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 5 ppm over background, work activities can resume with continued monitoring.

- If total organic vapor levels at the downwind perimeter of the work area or exclusion zone persist at levels in excess of 5 ppm over background but less than 25 ppm, work activities must be halted, the source of vapors identified, corrective actions taken to abate emissions, and monitoring continued. After these steps, work activities can resume provided that the total organic vapor level 200 feet downwind of the exclusion zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less - but in no case less than 20 feet, is below 5 ppm over background for the 15-minute average.

- If the organic vapor level is above 25 ppm at the perimeter of the work area, activities must be shutdown.

- All 15-minute readings must be recorded and be available for State (DEC and DOH) personnel to review. Instantaneous readings, if any, used for decision purposes should also be recorded.

- **Special Requirements for Work Within 20 Feet of Potentially Exposed Individuals or Structures**

    - When work areas are within 20 feet of potentially exposed populations or occupied structures, the continuous monitoring locations for VOCs and

particulates must reflect the nearest potentially exposed individuals and the location of ventilation system intakes for nearby structures. The use of engineering controls such as vapor/dust barriers, temporary negative-pressure enclosures, or special ventilation devices should be considered to prevent exposures related to the work activities and to control dust and odors. Consideration should be given to implementing the planned activities when potentially exposed populations are at a minimum, such as during weekends or evening hours in non-residential settings.

- If total VOC concentrations opposite the walls of occupied structures or next to intake vents exceed 1 ppm, monitoring should occur within the occupied structure (s). Background readings in the occupied spaces must be taken prior to commencement of the planned work. Any unusual background readings should be discussed with NYSDOH prior to commencement of the work.

- If total particulate concentrations opposite the walls of occupied structures or next to intake vents exceed 150 mcg/m3, work activities should be suspended until controls are implemented and are successful in reducing the total particulate concentration to 150 mcg/m3 or less at the monitoring point.

- Depending upon the nature of contamination and remedial activities, other parameters (e.g., explosivity, oxygen, hydrogen SUlfide, carbon monoxide) may also need to be monitored Response levels and actions should be pre-determined, as necessary, for each site.

Additionally, if following the cessation of work and efforts to abate the emission source are unsuccessful, and if sustained organic vapor levels exceed 25 ppm above background within the 20-foot zone for more than 30 minutes, then the **Major Vapor Emission Response Plan** (see below) will automatically be placed into effect.

Major Vapor Emission Response Plan

Upon activation of Major Vapor Emission Response Plan, the following activities will be undertaken:

1. All Emergency Response Contacts as listed below and in the Site-Specific Health and Safety Plan will be contacted.

2. The local police authorities will immediately be contacted by the Site Safety and Health Officer and advised of the situation.

3. The Site Safety and Health Officer will determine if site workers can safely undertake source abatement measures. Abatement measures may include covering the source area with clean fill or plastic sheeting, or consolidating contaminated materials to minimize surface area. The Site Safety and Health Officer will adjust worker personal protective equipment as necessary to protect workers from over-exposure to organic vapors.

The following personnel are to be notified by the Site Safety and Health Officer in the listed sequence if the Major Vapor Emission Response Plan is activated:

Contact	Phone
Police/Fire Department	911
New York State DOH	(518) 402-7860
New York State DEC Region 8	(585) 226-2466, switchboard

New York State DEC Region 9	(716) 851-7220
State Emergency Response Hotline	(800) 457-7362

In addition, the Site Safety and Health Officer will provide these authorities with a description of the apparent source of the contamination and abatement measures being taken by the contractor, if any.

AIRBORNE PARTICULATES

Fugitive dust suppression and airborne particulate monitoring shall be performed during any intrusive activities involving disturbance or handling of site soil/fill materials. Fugitive dust suppression techniques will include the following minimum measures:

- Spraying potable water on all excessively dry work areas and roads.
- All fill materials leaving the site will be hauled in properly covered containers or haul trailers.
- Additional dust suppression efforts may be required as discussed below.

Particulate concentrations should be monitored continuously at the upwind and downwind perimeters of the exclusion zone at temporary particulate monitoring stations. The particulate monitoring should be performed using real-time monitoring equipment capable of measuring particulate matter less than 10 micrometers in size (PM-10) and capable of integrating over a period of 15 minutes (or less) for comparison to the airborne particulate action level. The equipment must be equipped with an audible alarm to indicate exceedance

of the action level. In addition, fugitive dust migration should be visually assessed during all work activities.

- If the downwind PM-10 particulate level is 100 micrograms per cubic meter (μg/m^3) greater than background (upwind perimeter) for the 15-minute period or if airborne dust is observed leaving the work area, then dust suppression techniques must be employed. Work may continue with dust suppression techniques provided that downwind PM-10 particulate levels do not exceed 150 μg/m^3 above the upwind level and provided that no visible dust is migrating from the work area.

- If, after implementation of dust suppression techniques, downwind PM-10 particulate levels are greater than 150 μg/m^3 above the upwind level, work must be stopped and a re-evaluation of activities initiated. Work can resume provided that dust suppression measures and other controls are successful in reducing the downwind PM-10 particulate concentration to within 150 μg/m^3 of the upwind level and in preventing visible dust migration.

- All readings must be recorded and be available for State (DEC and DOH) personnel to review.

Visual Assessment

In conjunction with the real-time monitoring program, TurnKey personnel and any subcontractors thereof will be responsible for visually assessing fugitive dust migration from the site. If airborne dust is observed leaving the site, the work will be stopped until supplemental dust suppression techniques are employed in those areas.

Supplemental Dust Suppression

Supplemental dust suppression techniques may include but are not necessarily limited to the

following measures:

- Reducing the excavation size, number of excavations or volume of material handled.
- Restricting vehicle speeds.
- Applying water on buckets during excavation and dumping.
- Wetting equipment and excavation faces.
- Wetting haul roads.
- Restricting work during extreme wind conditions.
- Use of a street sweeper on paved haul roads, where feasible.

Work can resume using supplemental dust suppression techniques provided that the measures are successful in reducing the sustained downwind particulate concentration to below 150 ug/m^3 of the upwind level, and in preventing visible dust migration off-site.

COMBUSTIBLE GASES & OXYGEN

Ambient combustible gas and oxygen concentrations should be measured prior to commencing intrusive activities each workday and a minimum of every 30-minutes thereafter. Air monitoring activities should be performed using equipment appropriate to measure combustible gases in percent lower explosive limit (LEL) and percent oxygen and calibrated daily. All combustible gas and oxygen readings must be recorded in the Project Field Book and/or Real-Time Air Monitoring Logs (sample attached) and, if applicable, be made available for State (DEC and DOH) personnel to review.

Mitigation upon the detection of various action levels of organic vapors are presented below:

Combustible Gas:

- If the sustained ambient air concentration of combustible gas at the downwind perimeter of the site exceeds a reading of 10 to 25% LEL, work activities must be temporarily halted and monitoring continued. If the total organic vapor level readily decreases (per instantaneous readings) below 10% LEL, work activities can resume with continued monitoring.

- If sustained combustible gas levels at the downwind perimeter of the site persist at levels in excess of 25% LEL, work activities must be halted, the source of explosion hazards identified, corrective actions taken to abate emissions and monitoring continued. Following combustible gas mitigation, work activities can resume provided that the sustained total organic vapor level 200 feet downwind of the exclusions zone or half the distance to the nearest potential receptor or residential/commercial structure, whichever is less, (but in no case less than 20 feet) is below a sustained value of 10% LEL.

Oxygen:

- If the sustained ambient oxygen concentration at the downwind perimeter of the site measures a reading between 19.5% - 21% oxygen, work activities can continue with extreme caution, however attempts to determine the potential source of oxygen displacement must be conducted.

- If the sustained oxygen level readily decreases below 19.5% LEL, work activities should be discontinued and all personnel must leave the area immediately.

- If the sustained oxygen level at the downwind perimeter of the site persists at levels between 21-25%, work activities can resume with caution.

- If the sustained oxygen level at the downwind perimeter of the site persists at levels exceeding 25% (fire hazard potential), work activities should be discontinued and all personnel must leave the area immediately.

ATTACHMENTS

Real-Time Air Monitoring Log (sample)

REFERENCES

TurnKey FOPs:

006 Calibration and Maintenance of Combustible Gas/Oxygen Meter
010 Calibration and Maintenance of Flame Ionization Detector
011 Calibration and Maintenance of Portable Photoionization Detector
084 Calibration and Maintenance of Portable Particulate Meter

REAL-TIME AIR MONITORING DURING INTRUSIVE ACTIVITIES PROCEDURE

REAL TIME AIR MONITORING LOG

Date:
Project Name:
Project Number:
Project Location:
Client:
Purpose of Air Monitoring:

WEATHER CONDITIONS:

Time of Day:	A.M.	P.M.
Ambient Air Temp.:		
Wind Direction:		
Wind Speed:		
Precipitation:		

Date	Personnel	Time	Air Monitoring Meter Measurement (Units)							Location/Activity/Comments
			PID (ppm)	LEL (%)	H_2S (ppm)	O_2 (%)	CO (ppm)	Particulates (mg/m^3)	Other	

SAMPLE

NOTE: SEE EQUIPMENT CALIBRATION LOG FOR DESCRIPTION OF EQUIPMENT TYPE.

Prepared By: Date:

FOP 074.0

UNDERGROUND STORAGE TANK EXCAVATION AND REMOVAL PROCEDURES

PURPOSE

This procedure describes the methods for conducting underground storage tank (UST) removal activities. In most cases, the USTs will be mechanically excavated, using a backhoe, trackhoe, excavator or other equipment. Because the pits and other excavations created during UST exhumation can represent a substantial physical hazard, it requires a particular focus on safety procedures. The Project Health and Safety Plan and/or Project Work Plan should identify practices related to excavation permits, entry, and control that must be incorporated into UST excavation activities.

PRE-EXCAVATION PROCEDURES

1. Conduct a Phase I Site Assessment in accordance with ASTM E 1527 "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" or at a minimum conduct an EDR search of the subject property to obtain some information about the number and location of potential USTs.

2. Review project objectives outlined in the Project Work Plan and the Project Health and Safety Plan (HASP).

3. Check locations with owner/operator to ensure excavation operations will not interfere with site operations, and select appropriate access routes.

4. Stake locations in the field and measure distance from locations to nearest landmarks. Survey location, if required.

5. Obtain clearances from appropriate utilities and, if buried waste/metallic objects are suspected, screen location with appropriate geophysical methods, as necessary. Utility clearances are required 72 hours prior to commencing intrusive activities. Typically, the UST contractor will obtain the required utility clearances and permits.

6. Conduct a pre-construction meeting, as necessary. Include the client, state and/or federal regulatory agencies (as necessary) and the UST contractor.

7. Become familiar with the site by conducting a site reconnaissance. Note and identify the following: the prevailing wind direction; adjacent property zones (i.e., residential, commercial or industrial); any potential for unauthorized site access by onlookers; overhead utilities; temporary staging areas for impacted soils and USTs; and any other site features that may inhibit the progress of work.

8. During the site recon, locate the surface fill ports, if applicable, and determine the approximate size, liquid type and liquid quantity of the UST. Determine tank size (diameter and capacity) and liquid quantity by sticking the tank through the fill port with a long measuring stick. Determine the type of liquid contained within the UST; keeping in mind this may involve sample collection and profile characterization by a laboratory.

EXCAVATION PROCEDURES

1. Perform excavation equipment safety checks with the operator. Specific concerns should include, but not limited to, no leaking hydraulic lines, fire extinguisher on board of the excavation equipment, operator experience etc.

2. Conduct tailgate health and safety meeting with project team and excavation operator(s) by completing the Tailgate Safety Meeting Form (sample attached).

3. Discuss with excavation contractor personnel the scope of work and what will be expected of them.

4. Calibrate air-monitoring equipment in accordance with the appropriate Roux's Field Operating Procedures or manufacturers recommendations for calibration of field meters.

5. Conduct air monitoring as required by the HASP and/or Project Work Plan in accordance with Roux's FOP: Real-Time Air Monitoring During Intrusive Activities. Record all results on the Real Time Air Monitoring Log (sample attached).

6. Decontaminate excavation equipment in accordance with Roux's Drilling and Excavation Equipment Decontamination procedures as necessary.

7. Mobilize the excavation equipment to the site and position over the required UST location.

8. If liquid was encountered in the UST during the initial site reconnaissance, purge, contain and dispose of the UST contents in accordance with state and federal regulations as well as Roux's FOP: Management of Investigation-Derived Waste (IDW).

9. Excavate the UST(s) in compliance with applicable safety regulations and NYSDEC Division of Environmental Remediation, Spill Response Unit or Bulk Storage Unit guidelines and/or this FOP. In uncontrolled areas, UST excavations being conducted over several days and/or time allowed for laboratory analytical results to be returned will be covered and/or barricaded and flagged with caution/hazard tape. These open pits should be backfilled with clean fill as soon as possible.

10. Each UST contractor has their own means and methods of exhuming USTs and impacted soil and Roux personnel should not direct the contractor's activities, however, the methods performed by the contractor should be monitored closely to ensure safety is a priority. Typically, the UST fill ports will be unearthed and the top of the tank will be exposed to determine the exact size of the tank. Once the size is determined, the UST contractor will excavate along one side to the bottom of the tank and roll the tank on its side.

11. Once the UST is "loosened", the contractor should remove the tank with webbing or chains, while keeping the tank in its original horizontal position, and place the exhumed tank on a polyethylene tarp.

12. The UST contractor will then clean and dispose of the tank in accordance with state and federal regulations.

13. The Roux field geologist or experienced professional will determine the horizontal and vertical limits of excavation based upon soil scans with a calibrated photoionization detector (PID) in accordance with Roux's FOP: Screening of Soil Samples for Organic Vapors During UST Removal Activities.

    The depth is generally limited by the safe reach of the selected equipment, but may also be limited by the stability of the excavated materials (i.e. wall stability). Excavation depths exceeding the practical limits of the machine may be required as long as the groundwater table has not been encountered. Terminate all excavations at the first water bearing zone and consult the Project Manager. Typically, groundwater remediation will be required (i.e., pump and treat).

14. At no time should an excavation deeper than 4 feet be entered without first stabilizing the sidewalls by using forms, or by terracing or sloping (2:1 slope maximum) the sidewalls.

15. During impacted soil removal activities, record all required transportation information on an Impacted Soil Transportation Log (sample attached).

16. Collect a representative soil sample from each of the four sidewalls and one from the bottom and scan with a PID (i.e., initial surface scan and headspace determination) until excavated soils PID results fall below the project-required limit, typically 20 ppm. Sidewall samples shall be collected from a depth equal to the bottom and no higher than the middle of the pre-exhumation UST position.

17. Upon determining the limits of impact, collect one confirmation/verification soil sample from each of the four sidewalls and bottom of the excavation in accordance with Roux's Surface and Subsurface Soil Sampling Procedures. Sidewall samples shall be collected from a depth equal to the bottom and no higher than the middle of the pre-exhumation UST position.

    If the test pit is greater than 4 feet in depth, it will not be entered for sampling. In this event, collect samples using the excavation equipment filling laboratory-provided sample containers from the center of the bucket using the stainless steel sampling equipment (i.e., spoon, spade, trowel etc.) or drive a Shelby tube or EnCore™ sampler for VOCs.

18. If excessive water enters the excavation, via perched groundwater or precipitation, it shall be purged and contained as IDW until proper disposal can be determined (i.e., pumped through granular activated carbon vessels and discharged to the sanitary sewer). The Project Manager and NYSDEC representative should be consulted upon detection of excess water to determine proper disposal methods. On the other hand, minor amounts of water within the excavation that can be sufficiently mixed with excavated soil material is an acceptable disposal method.

19. Record UST excavation observations in the Project Field Book and/or an Impacted Soil Excavation Log (sample attached). Information recorded should include:

    - Physical dimension of the pit;

    - A scaled sketch of one side of the excavation showing the position of the UST and any lithologic contacts, zones of groundwater seepage, other special features (jointing, boulders, cobbles, zones of contamination, color abnormalities, etc.);

    - General information such as project number, excavation designation number, depth, date, name of responsible professional (i.e., geologist), type of excavating equipment utilized, time of excavation and

backfilling, method of collecting samples and amount of sample collected (if applicable);

- General information about the UST such as diameter, length, quantity of liquid removed, construction material etc.;

- Rate of groundwater inflow, depth to groundwater and time of measurement, as necessary; and

- Unified Soil Classification System (USCS) designation of each distinctive unit in accordance with Roux's FOP: Soil Description Procedures Using the Unified Soil Classification System (USCS).

20. Photograph the progress of UST exhumation, impacted soil excavation and clean fill backfilling, highlighting unique or important features. Use a ruler or other suitable item for scale. Include a label with the excavation designation so the developed picture will be labeled, as necessary.

21. Backfill the excavation to match the existing grade compacting in 2 to 3 foot lifts with clean fill and as directed in the Project Work Plan. Excavated soils designated as "clean" via PID scan can be placed back into the hole. The Roux Field Team Leader will provide direction on whether excavated soils may be used as fill, or these materials are to be containerized as investigation derived waste.

ATTACHMENTS

Tailgate Safety Meeting Form (sample)
Real Time Air Monitoring Log (sample)
Impacted Soil Excavation Log (sample)
Impacted Soil Transportation Log (sample)

REFERENCES

Roux FOPs:

006 *Calibration and Maintenance of Combustible Gas/Oxygen Meter*
010 *Calibration and Maintenance of Portable Flame Ionization Detector*
011 *Calibration and Maintenance of Portable Photoionization Detector*
018 *Drilling and Excavation Equipment Decontamination*
032 *Management of Investigation-Derived Waste (IDW)*
048 *Screening of Soil Samples for Organic Vapors During UST Removal Activities*
054 *Soil Description Procedures Using the Unified Soil Classification System (USCS)*
063 *Surface and Subsurface Soil Sampling Procedures*
073 *Real-Time Air Monitoring During Intrusive Activities*

UNDERGROUND STORAGE TANK EXCAVATION AND REMOVAL PROCEDURES

TAILGATE SAFETY MEETING FORM

Project Name: Date: Time:
Project Number: Client:
Work Activities:

HOSPITAL INFORMATION:

Name:
Address: *City:* *State:* *Zip:*
Phone No.: *Ambulance Phone No.*

SAFETY TOPICS PRESENTED:

Chemical Hazards:

Physical Hazards: Slips, Trips, Falls

PERSONAL PROTECTIVE EQUIPMENT:

Activity:			C	D
Activity:	A	B	C	D
Activity:	A	B	C	D
Activity:	A	B	C	D
Activity:	A	B	C	D

New Equipment:

Other Safety Topic (s): ve fauna)
t tobacco products is prohibited in the Exclusion Zone (EZ)

SAMPLE

ATTENDEES

Name Printed	Signatures

Meeting conducted by:

REAL TIME AIR MONITORING LOG

Date:
Project Name:
Project Number:
Project Location:
Client:
Purpose of Air Monitoring:

WEATHER CONDITIONS:

Time of Day:	A.M.	P.M.
Ambient Air Temp.:		
Wind Direction:		
Wind Speed:		
Precipitation:		

Date	Personnel	Time	Air Monitoring Meter Measurement (Units)							Location/Activity/Comments
			PID (ppm)	LEL (%)	H_2S (ppm)	O_2 (%)	CO (ppm)	Particulates	Other	

SAMPLE

NOTE: SEE EQUIPMENT CALIBRATION LOG FOR DESCRIPTION OF EQUIPMENT TYPE.

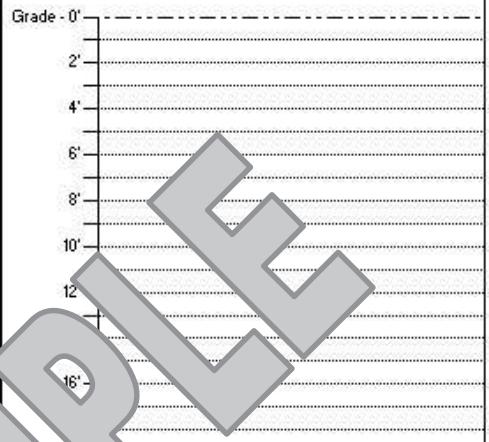
Prepared By: Date:

IMPACTED SOIL EXCAVATION LOG

Project:	EXCAVATION I.D.:
Project No.:	Excavation Date:
Client:	Excavation Method:
Location:	CQA Observer:

Excavation Location: *NOT TO SCALE (approximate)*

Excavation Cross Section:



TIME	Length:				
Start:	Width:				
End:	Depth:				

Verification Sample I.D.			PID Scan (ppm)	PID Headspace (ppm)	Photos Y / N	

COMMENTS:

UST ENCOUNTERED:	☐ yes	☐ no	If yes, Describe (type, material, size, capacity etc.):
GROUNDWATER ENCOUNTERED:	☐ yes	☐ no	If yes, depth to GW:
VISUAL IMPACTS:	☐ yes	☐ no	Describe:
OLFACTORY OBSERVATIONS:	☐ yes	☐ no	Describe:
NON-NATIVE FILL ENCOUNTERED:	☐ yes	☐ no	
OTHER OBSERVATIONS:	☐ yes	☐ no	Describe:
QUANTITY OF IMPACTED SOIL REMOVED:			
FINAL DESTINATION OF IMPACTED SOIL:			
TYPE OF BACKFILL:			
SURFACE COMPLETION:			

SAMPLE

IMPACTED SOIL TRANSPORATION LOG

Date:
Projec Licensed Transport
Job N Destination:
Client: Waste Profile No.:

Vehicle Type	Vehicle I.D.	License Plate No.	Load No.	Load Time	Drive Time	Approximate Tonnage	Actual Tonnage

ROUX

FIELD OPERATING PROCEDURES

"Before Going Into The Field" Procedure

FOP 076.0

"BEFORE & AFTER" PROJECT PROCEDURES FOR FIELD PERSONNEL

PURPOSE

This procedure describes the required field and office activities to be preformed "before and after" project assignments by field personnel. Field activities may include, but are not limited to, drilling oversight, excavation contractor oversight, matrix sample collection (e.g., soil, sediment, groundwater, surface water, wipe, and/or air), third party oversight, and site reconnaissance to name a few. Office activities may include, but are not limited to, photocopying field book entries, completing all field forms, tabulating collected field and laboratory data, and preparation of report text.

The primary goal of this procedure is to eliminate delays and unnecessary budgetary "strain" due to a lack of preparedness and knowledge of the site by the field team members. This procedure also seeks to streamline the preparation and transfer of field information/data from field personnel to the Project Manager upon field work completion.

PROJECT ASSIGNMENT

During the initial meeting with the Project Manager, several questions should be raised by the field team member and answered by the Project Manager. A pad of paper and pen should be in hand to record all pertinent job information. At a minimum, the following questions should be answered:

1. *What is the job number?*
2. *Who is the client and the on-site representative (if applicable)?*
3. *What is the name of the project?*
4. *What are the job responsibilities and how should they be accomplished?*
5. *How much time do I have to complete the assigned tasks?*
6. *Are there any project required documents? What are they?*

Any deviation from the above questions should be approved by the Project Manager prior to contravention, not at the end of the day or following the project completion.

"BEFORE" CHECKLISTS

Checklists should be developed and used so that all of the required steps prior to going into the field are undertaken. A good checklist will include:

- Adequate review of the documents listed in this FOP
- Any documents, equipment, and supplies presented in this FOP
- Providing adequate notification to the laboratory (so that holding times are not exceeded) and to the owner of the site and the primary regulatory agency (usually in writing) that a round of sampling is to commence in order to facilitate sampling and allow for a sampling audit or split sampling.
- Specifying and documenting the equipment maintenance and calibration undertaken prior to going into the field relative to the sampling event.
- Checking and calibrating the equipment.
- Listing the documents, equipment, and supplies required to collect samples at the site as presented in this FOP.

Prior to going into the field, sampling personnel should reacquaint themselves with the sampling plan. The review is undertaken so that the required specific protocol such as sampling from the least to the most contaminated wells, knowing where quality control samples are to be taken, knowing the disposition of purge water, etc., is understood and followed.

The amount of equipment maintenance and calibration required prior to going into the field should be clearly specified in the presampling equipment maintenance and calibration checklists, which are based on the manufacturer's recommendations, sampling objectives, and prior experience. Maintenance and calibration performed before sampling must be

documented to provide evidence that the equipment was adequately maintained and calibrated and to keep a permanent record of equipment servicing and performance.

A list of all the documents, equipment, and supplies required for the sampling event should be prepared and used. It can be frustrating and time consuming to forget equipment and supplies, so some up-front preparation is warranted. The following sections provide a list of the documentation, equipment, and supplies, which should assist in preparing a site-specific equipment and supply checklist. Once prepared, the checklist and project requirements should be reviewed with the Project Manager.

"BEFORE" DOCUMENTATION SUMMARY

Prior to going into the field, the field team should review and understand all of the project documents including, but not limited to:

- The Health and Safety Plan (HASP)
- The Site Analytical Plan (SAP), Sampling Plan, or similar document
- The Quality Assurance Project Plan (QAPP)
- The Work Plan
- Project specific Field Operating Procedures and field forms
- Site Maps
- Equipment operation manuals
- Chain-of-Custody forms
- Shipping labels and custody seals
- Any reference materials (i.e., conversion tables, volume calculation, etc.). The Pocket Ref, Third Edition by Thomas Glover is a great source for the field.

If at any time, the field team does not understand the project required protocol, procedures, sample locations, etc.; the Project Manager should be consulted for clarification.

"BEFORE" EQUIPMENT SUMMARY

Prior to going into the field, the field team should review the following equipment checklist, noting that project specific equipment may not be included in this list:

- Water level indicator
- Pumps, sample tubing, flow controllers, power cord(s), batteries, compressors, generators, etc.
- Bailers (disposable, PVC, stainless steel, glass), rope
- Flow-through cell
- Field meters with adequate calibration solutions (pH/Eh meter, conductivity meter, dissolved oxygen meter, turbidity meter, batteries, etc.)
- Garden hose
- Explosive gas meter and/or photoionization detector (PID) with calibration supplies
- Complete set of hand tools including a sharp knife, screw drivers, pliers, hacksaw, flashlight, large pipe wrench, hammer, bolt cutters, and replacement locks
- Fish hook with weight and string
- Field filtering equipment and supplies
- Decontamination supplies, such as scrub brushes, Alconox®, distilled water, potable water, 5-gallon bucket, paper towels, aluminum foil
- 5-gallon bucket(s)
- Measuring cup
- Sample bottles/containers (with extras) and preservatives
- Stainless steel spoons, trowels, shovels
- Shipping containers (i.e., coolers)
- Clipboard
- Calculator
- Water resistant clock or watch with second hand
- First aid kit

"BEFORE" SUPPLIES SUMMARY

Prior to going into the field, the field team should review the following supplies checklist, noting that project specific supplies may not be included in this list:

- Laboratory grade non-phosphate detergent (Alconox®)
- Appropriate personal protective equipment appropriate to the contaminants of concern, such as nitrile gloves, Tyvek, boots, hardhat, safety glasses, hearing protection, etc.
- Bags of ice
- Plastic garbage bags
- Plastic sheeting
- Sufficient quantities of potable and laboratory grade deionized water for cleaning and equipment blanks
- Methanol
- Isopropyl alcohol
- Clean rags and paper towels
- Electrical tape, duct tape, and wide transparent tape
- Hand soap
- Regular, ballpoint, and indelible pens
- Hollow braid polyethylene rope

After providing adequate notification (lab, state and/or federal agencies), performing the presampling maintenance and calibration, obtaining the site and well keys, and packing the supplies and equipment, the field activities are ready to be performed.

"AFTER" – PROJECT FILE REVIEW & CREATION

It is the responsibility of each field crew member to review his/her own field notes and time sheet for accuracy and completeness. All errors to the field notes should be corrected, dated, and initialed for Project Manager review. Once reviewed by the field team member, the Project Field Book, all field forms, photographs, chain-of-custodies etc. must be

photocopied, scanned (if required), downloaded, etc. and then given to the Project Manager in an organized file folder in a timely manner. Avoiding delay during this step is critical, especially when there are severe time constraints for the project.

REFERENCES

1. Wilson, Neal. *Soil Water and Ground Water Sampling*, 1995

ROUX

FIELD OPERATING PROCEDURES

Geoprobe Drilling Procedures

FOP 078.0

GEOPROBE DRILLING PROCEDURES

PURPOSE

This guideline presents a method for direct-push drilling a borehole through unconsolidated materials, including soils or overburden.

PROCEDURE

The following procedure will be used to drill a borehole for sampling and/or well installation, using direct-push methods and equipment.

1. Follow Roux's Field Operating Procedure (FOP) for Drill Site Selection Procedure prior to implementing any drilling activity.

2. Perform drill rig safety checks with the driller by completing the Drilling Safety Checklist form (sample attached).

3. Conduct tailgate health and safety meeting with project team and drillers by completing the Tailgate Safety Meeting Form (sample attached).

4. Calibrate air-monitoring equipment in accordance with the appropriate Roux's FOPs or manufacturers recommendations.

5. Ensure all drilling equipment (i.e., rods, 4-foot sampler, dedicated PVC sleeves) appear clean and free of soil prior to initiating any subsurface intrusion. Decontamination of drilling equipment should be in accordance with Roux's Drilling and Excavation Equipment Decontamination Procedures FOP.

6. Mobilize the Geoprobe™ rig to the site and position over the borehole.

7. Level and stabilize the rig and recheck the rig location against the planned drilling location.

8. Fully advance the sampler into the subsurface using an ATV-mounted direct-push Geoprobe™ drill rig and 1.5-inch diameter sampler, typically 4-feet in length and fitted with a dedicated PVC sleeve, for each four-foot core of soil.

9. Retrieve the 4-foot sample core from the driller, place on a piece of polyethylene tarp, and cut open using a sharp utility knife.

10. Visually characterize each 4-foot soil core using the Unified Soil Classification System (USCS) in accordance with Roux's Soil Description Procedures Using the USCS FOP.

11. Scan each 4-foot core for total volatile organic vapors with a calibrated Photovac 2020 PID equipped with a 10.6 eV lamp, and report any visual and/or olfactory observations. Record PID scan measurements in the Project Field Book and appropriate field forms.

12. If required, collect a representative soil sample for headspace determinations. In general, soil samples representative of each 4-foot core interval are collected, placed in a sealable plastic bag, and kept at or near room temperature (approximately 65-70° F) for a minimum of 15 minutes prior to measurement. Record PID headspace determination measurements in the Project Field Book and appropriate field forms.

13. Check sampler and rods periodically during drilling to ensure the boring is plumb. Adjust rig position as necessary to maintain plumb.

14. Continue drilling until reaching the assigned total depth, or until sampler refusal occurs. Sampler refusal is when the drilling penetration drops below 0.1 feet per 2 minutes, with the full weight of the rig on the sampler.

15. Plug and abandon boreholes not used for temporary well installation in accordance with Roux's Field Operating Procedure for Abandonment of Borehole. Boreholes to be used as temporary wells should be completed in accordance with Roux's Temporary Well (Piezometer) Construction Procedures FOP.

16. Decontaminate all non-dedicated drilling tools between boring locations using potable tap water and a phosphate-free detergent (i.e., Alconox™) in accordance with Roux's Drilling and Excavation Equipment Decontamination Procedures FOP.

OTHER PROCEDURAL ISSUES

- Borings will not be over drilled (rat holed) without the express permission of the Roux field supervisor. All depth measurements should be accurate to the nearest 0.1 foot, to the extent practicable.

- Potable water may be placed in the sampler stem if critically necessary for borehole control or to accomplish sampling objectives. This will be performed only with the express permission of the Roux field supervisor.

ATTACHMENTS

Drilling Safety Checklist (sample)
Tailgate Safety Meeting Form (sample)

REFERENCES

Roux FOPs:

001 *Abandonment of Borehole Procedures*
017 *Drill Site Selection Procedure*
018 *Drilling and Excavation Equipment Decontamination Procedures*
054 *Soil Description Procedures Using the USCS*
077 *Temporary Well (Piezometer) Construction Procedures*

DRILLING SAFETY CHECKLIST

Project: **Supplemental Phase II RFI/ICMs**	Date:
Project No.: **0041-009-500**	Drilling Company:
Client: **RealCo., Inc.**	Drill Rig Type:

ITEMS TO CHECK	OK	ACTION NEEDED
"Kill switches" installed by the manufacturer are in operable condition and all workers at the drill site are familiar with their location and how to activate them?		
"Kill switches" are accessible to workers on both sides of the rotating stem? NOTE: Optional based on location and number of switches provided by the manufacturer.		
Cables on drill rig are free of kinks, frayed wires, "bird cages" and worn or missing sections?		
Cables are terminated at the working end with a proper eye splice, either swa Coupling or using cable clamps?		
Cable clamps are installed with the saddle on the live or load side? Clamps should alternated and should be of the correct size and number for the cable size to which installed. Clamps are complete with no missing parts?		
Hooks installed on hoist cables are the safety type with a functional prevent accidental separation?		
Safety latches are functional and completely span the entire th ok ve positive action to close the throat except when manually ed fo nec disconnecting a load?		
Drive shafts, belts, chain drives and universal jo be to prevent accidental insertion of hands and fingers or tools		
Outriggers shall be extended prior to and w sed cradle. Hydraulic outriggers must maintain pressure to d s ize the drill rig even while unattended.		
Outriggers shall be properly supporte nd su o p settling into the soil.		
Controls are properly la ave fre ntr ontrols should not be blocked or locked in an p on.		
Safeties on any device sha r m zed.		
Controls shall be operated smoothly and ca nd lifting devices shall not be jerked or operated erratically to overcome res		
Slings, chokers and lifting devices are d before using and are in proper working order? Damaged units are removed from service and are properly tagged?		
Shackles and clevises are in proper working order and pins and screws are fully inserted before placing under a load?		
High-pressure hoses have a safety (chain, cable or strap) at each end of the hose section to prevent whipping in the event of a failure?		
Rotating parts of the drill string shall be free of sharp projections or hooks, which could entrap clothing or foreign objects?		
Wire ropes should not be allowed to bend around sharp edges without cushion material.		
The exclusion zone is centered over the borehole and the radius is equal or greater than the boom height?		

ITEMS TO CHECK	OK	ACTION NEEDED

SAMPLE

DRILLING SAFETY CHECKLIST

Project: **Supplemental Phase II RFI/ICMs** Date:

Project No.: **0041-009-500** Drilling Company:

Client: **RealCo., Inc.** Drill Rig Type:

ITEMS TO CHECK	OK	ACTION NEEDED
The work area around the borehole shall be kept clear of trip hazards and walking surfaces should be free of slippery material.		
Workers shall not proceed higher than the drilling deck without a fall restraining device and must attach the device in a manner to restrict fall to less than 6 feet.		
A fire extinguisher of appropriate size shall be immediately available to the drill c… drill crew shall have received annual training on proper use of the fire extinguisher.		
29 CFR 1910.333 © (3) Except where electrical distribution and transmission lines … energized and visibly grounded, drill rigs will be operated proximate t… under, by, or … er lines only in accordance with the following: .333 © (3) (ii) 50 kV or less -minimum clearance is 1… For 50 kV or over - 10ft. Plus ½ in. For each add… Roux **Policy: Maintain 20 feet clearanc…**		
29 CFR 1910.333 © (3) (iii) While the rig is in t… wit… the do… tion, clearance from energized power lines will be maint… llow… Less than 50 kV - 4 feet 50 to 365 kV - 10 feet 365 to 720 kV - 16 feet		

Name: _____ (printed)

Signed: _____ Date: _____

SAMPLE

TAILGATE SAFETY MEETING FORM

Project Name: Date: Time:
Project Number: Client:
Work Activities:

HOSPITAL INFORMATION:

Name:
Address: *City:* *State:* *Zip:*
Phone No.: *Ambulance Phone No.*

SAFETY TOPICS PRESENTED:

Chemical Hazards:

Physical Hazards: Slips, Trips, Falls

PERSONAL PROTECTIVE EQUIPMENT:

Activity:	A	B	C	D
Activity:	A	B	C	D
Activity:	A	B	C	D
Activity:	A	B	C	D
Activity:	A	B	C	D

New Equipment:

Other Safety Topic (s): (aggressive fauna)
tobacco products is prohibited in the Exclusion Zone (EZ)

ATTENDEES

Name Printed	Signatures

Meeting conducted by:

SAMPLE

ROUX

FIELD OPERATING PROCEDURES

Stockpile Sampling Procedures for Chemical Analysis

FOP 079.0

STOCKPILE SAMPLING PROCEDURES FOR CHEMICAL ANALYSIS

PURPOSE

This guideline presents a method for collecting representative soil samples from stockpiled borrow source material for chemical analysis.

GENERAL

In general, off-site soil that is brought to a Site for use as supplemental fill is subject to Quality Assurance sampling and analysis. If QA is required, all off-site soil proposed for use as Site backfill shall be documented by the subcontractor in writing to have originated from locations having no evidence of disposal or release of hazardous, toxic or radioactive substances, wastes or petroleum products. If the subcontractor designates a source as "virgin" soil, it shall be further documented in writing to be native soil material having not supported any known past industrial or commercial development or agricultural use. Borrow soils can be used as backfill once concentrations are confirmed to meet project designated criteria for the Constituents of Primary Concern (COPCs) and NYSDEC TAGM HWR-94-4046 recommended soil cleanup objectives (SCOs) or NYSDEC 6NYCRR Part 375 SCOs.

Sample collection equipment will include stainless steel mixing bowls, stainless steel mixing spoons, and a stainless steel hand auger with extension rods or a stainless steel spade or equivalent. It may be necessary to use a backhoe or drilling rig to facilitate sample collection.

FOP 079.0

STOCKPILE SAMPLING PROCEDURES FOR CHEMICAL ANALYSIS

SAMPLING PLAN

1. Virgin Sources – Virgin borrow sources will be confirmed acceptable for use as site backfill through collection of a single composite soil sample representative of the borrow pit or stockpile.

2. Non-Virgin Sources – Prior to sampling, determine the amount of soil that will be sampled. The soil will be tested via collection of one composite sample per 250 cubic yards of material from each source area. If more than 1,000 cubic yards of soils are excavated from a given off-site source area and all samples of the first 1,000 cubic yards meet project designated criteria, the sample collection frequency may be reduced to one composite for each additional 1,000 cubic yards of soils from the same source area, up to 5,000 cubic yards. For borrow sources greater than 5,000 cubic yards, sampling frequency may be reduced to one sample per 5,000 cubic yards, providing all earlier samples meet project designated criteria. Sampling procedure for non-virgin sources is described in the next section.

SAMPLE COLLECTION AND HANDLING

The following procedure will be used to collect representative soil samples from a non-virgin soil stockpile.

1. Using a stainless steel spade (or hand auger), a backhoe, or drilling rig, penetrate the pile to a depth of approximately 2 to 3 feet and collect four (4) representative grab samples of approximate equal volume from the top, middle, and bottom.

2. Transfer each grab into a small stainless steel mixing bowl.

3. **VOC Analysis:** Using a clean stainless steel spoon, transfer equal amounts from each small mixing bowl into a laboratory-supplied, 4 oz. VOC sample jar. This should be performed by randomly transferring several small aliquots from each bowl, taking care to minimize disturbance of the soil.

4. **Other COPCs:** Transfer equal aliquots from each small bowl into a large mixing bowl and homogenize the sample. Fill the remaining laboratory-supplied jars with the homogenized soil for all other project required COPCs (i.e., SVOCs, PCBs, Pesticides, Herbicides, inorganics, etc.).

5. Label each set of jars with the following information:
   - Project and site name
   - Sample Code
   - Project Number
   - Date/Time
   - Sample type (soil composite or grab)
   - Sampler's initials
   - Sample Preservation
   - Required analysis

   The sample code will consist of a unique, alphanumeric identification code keyed to the sampling location. Identify the sampling location on a field sketch.

6. Record all information associated with sample collection in the Project Field Book.

7. Label, store, and ship the samples in accordance with the Roux Field Operating Procedure for Sample Labeling, Storage and Shipment Procedures.

8. Clean the sampling and mixing equipment with Alconox and deionized water and repeat steps 1 through 7 for the remaining samples.

REFERENCES

Roux FOPs:

046 Sample Labeling, Storage and Shipment Procedures

ROUX

FIELD OPERATING PROCEDURES

Stockpile & Borrow Source Sampling Procedures for Physical Analysis

FOP 080.0

STOCKPILE & BORROW SOURCE SAMPLING PROCEDURES FOR PHYSICAL ANALYSIS

PURPOSE

This guideline presents a method for collecting representative soil samples from stockpiled borrow source material for physical analysis.

GENERAL

Generally, one of two methods will be utilized to collect soil samples for analysis. One method is to collect the samples by digging a series of representative test pits at the borrow source area and obtaining samples from those test pits. The other method involves collecting samples from representative stockpiles (normally after the material has been mechanically screened). Both procedures are discussed within this method.

Sample collection equipment will include stainless steel mixing bowls, stainless steel mixing spoons, and a stainless steel hand auger with extension rods or a stainless steel spade or equivalent. It may be necessary to use a backhoe or drilling rig to facilitate sample collection.

STOCKPILED SOIL SAMPLING METHOD

As shown in the attached Figure 1, twelve (12) samples of approximate equal volume should be collected from the top, middle and bottom of each 1000 CY stockpile by CQA personnel and composited in the field to give one representative aliquot per 1000 CY.

Stockpile Sampling Procedure

1. Using a shovel or backhoe, penetrate the pile to a depth of about two to three feet.
2. Collect a sample using the shovel.

3. Transfer the sample to a specially prepared mixing area.
4. Repeat Steps 1 through 3 at each 1,000 CY stockpile.
5. Mix subsamples using shovel into one homogenous mass and place in a properly labeled 5-gallon bucket. Fill each bucket completely and cover.
6. Attach a label to each container and record location referencing the stockpile identification number. The label may be made with permanent marker on the side (not top) of the container or using adhesive-back paper labels affixed to the side of the container. At a minimum, the labels should be identified with the following information:
    - Project Name
    - Sample number.
    - Initials of CQA inspector or sample collection personnel.
    - Date of collection.
    - Location of collection (i.e. stockpile I.D.)
7. Return remaining contents of composite sample to stockpile.
8. Deliver the samples to the laboratory for analysis as soon as possible.
9. All information pertinent to each sampling event should be recorded by sampling personnel in the field at the time of sample collection. Each report should correspond to each stockpile and will contain the following information:
    - Project Name
    - Sample number or numbers collected
    - Field observations.
    - Climatologic conditions.
    - Date and time of collection.
    - Approximate location of test pit.
    - Name of person who collected sample.

BORROW AREA TEST PIT SAMPLING METHOD

Prior to obtaining representative soil samples, test holes should be excavated at the borrow area to determine the actual depth and lateral extent of the borrow source soil material. A base line should then be established and a grid system staked in the field. Five samples

should be collected at equidistant locations for each 5000 cubic yards (CY) of soil designated for use in the borrow areas (at approximately mid-depth).

Borrow Area Sampling Procedure

1. Using a shovel, collect a representative sample at approximately mid-depth at each of the sampling locations representing 1000 CY of the proposed excavation area.
2. Transfer each sample into a labeled separate 5-gallon bucket. Fill each bucket completely and cover.
3. Attach a label to each container and record location referencing the established grid system in the borrow area. The label may be made with permanent marker on the side (not top) of the container or using adhesive-back paper labels affixed to the side of the container. At a minimum, the labels should be identified with the following information:
    - Project Name
    - Sample number.
    - Initials of CQA inspector or sample collection personnel.
    - Date of collection.
    - Location of collection (i.e. location of borrow area grid system location)
4. Deliver the samples to the laboratory for analysis as soon as possible.
5. All information pertinent to each sampling event should be recorded by sampling personnel in the field at the time of sample collection. Each report should correspond to each test pit and will contain the following information:
    - Project Name
    - Sample number or numbers collected
    - Field observations.
    - Climatologic conditions.
    - Date and time of collection.
    - Approximate location of test pit.
    - Name of person who collected sample.

ATTACHMENTS

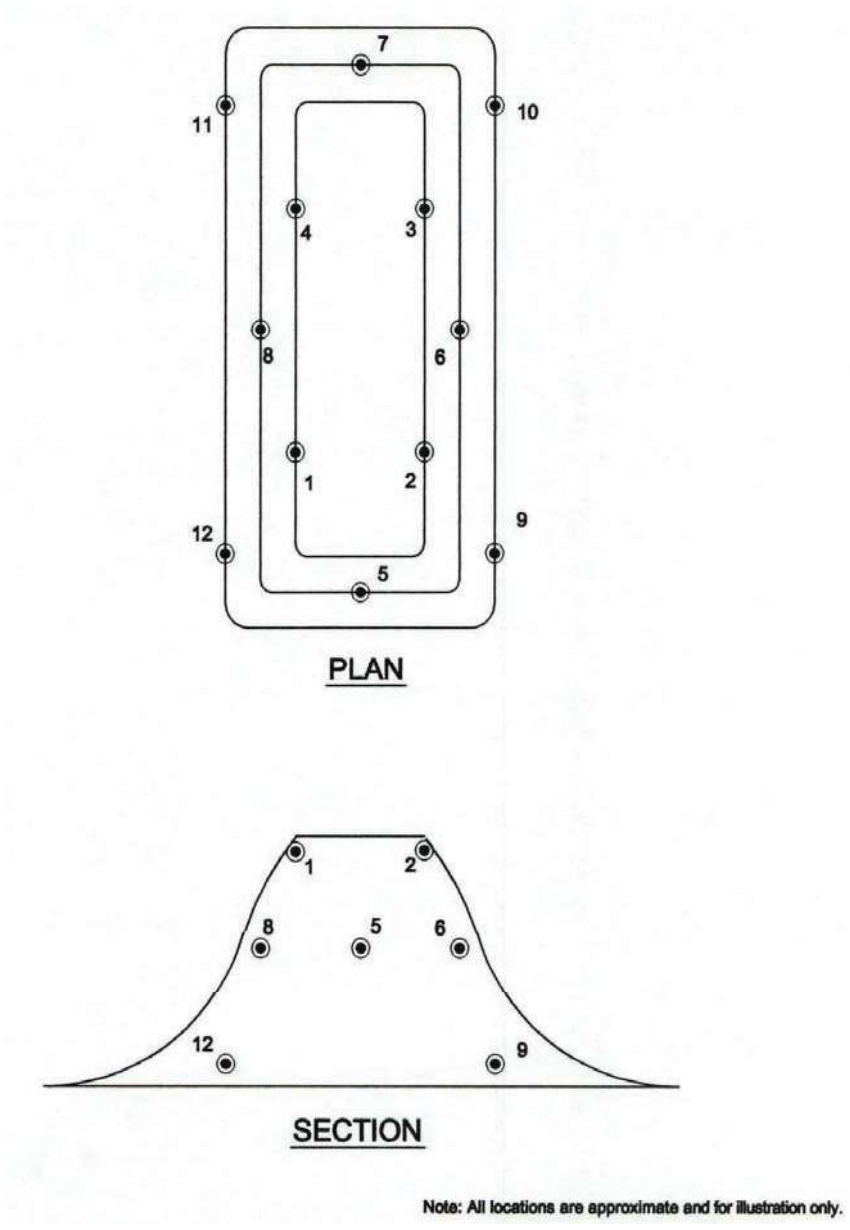
Figure 1; Stockpile Sampling Methodology

REFERENCES

None

FIGURE 4

1,000 CY STOCKPILE SAMPLING METHODOLOGY



ROUX

FIELD OPERATING PROCEDURES

Waste Sampling Procedures

FOP 082.0

WASTE SAMPLING PROCEDURES

PURPOSE

This guideline describes the equipment and procedures that can safely be used to collect waste samples from open and closed units.

INTRODUCTION

Hazardous wastes are regulated by the USEPA under 40 CFR Parts 260-265. Therefore, many of the methods that are used to manage, store, treat, and dispose hazardous wastes and potential hazardous wastes are of concern to both the regulators and the regulated community. Samples are often required of regulated or potentially regulated materials. While it is understood that each facility and waste stream may present its own unique sampling and analytical challenges, this procedure will list equipment and enumerate procedures that have been used by the USEPA to safely and successfully sample specific waste units.

SAFETY

Sampling of waste units should be assessed for potential hazards by both the Project Manager (PM) and the site safety officer (SSO). It is the SSOs responsibility to enforce the site Health and Safety Plan (HASP), and to ensure that procedures used during waste sampling are in accordance with current company protocol. Sampling equipment contaminated during waste sampling investigations should be cleaned with laboratory detergent and rinsed with tap water prior to returning the equipment from the field. Contaminated sampling equipment that is to be discarded must be disposed of properly in accordance with the site-specific Work Plan.

It should be noted that although Roux does not readily perform field activities with highly hazardous materials, we do occasionally oversee contractors who do. Therefore, it is prudent on our part to recognize those situations and be prepared to ensure the activities of

our subcontractors comply with the site-specific HASP as well as those procedures discussed herein. Any reference within this procedure to personal protective equipment (PPE) upgrades above a modified level C (i.e., Tyvek, nitrile gloves, and full-face respirator) relates solely to our subcontractors.

QUALITY CONTROL PROCEDURES

In some instances, special decontamination procedures will be necessary and should be developed on a case-by-case basis according to the specific material encountered. Any cleaning procedures and equipment repairs conducted in the field deviating from those specified in the associated FOPs or the site-specific Work Plan, should be discussed with the Project Manager, and thoroughly documented in the Project Field Book.

All air monitoring and field analytical/screening equipment (i.e., photoionization detectors) should be checked and calibrated per manufacturer's specifications before being used to collect any waste stream unit sample (open or closed). The Field Team Leader should record all calibration results on appropriate field forms.

WASTE UNIT TYPES

Waste management units can be generally categorized into two types: open and closed. In general, open units are larger than closed units and include waste piles and surface impoundments whereas closed units include containers and tanks as well as ancillary tank equipment. Besides containers and tanks, sumps may also be considered closed units because they are designed to collect the spillage of liquid wastes and are sometimes configured as a confined space.

Although both may pose hazards, units that are open to the environment are generally less hazardous than closed units. Sampling of closed units is considered a higher hazard risk

because of the potential of exposure to toxic gases and flammable/explosive atmospheres. Because closed units prevent the dilution of the wastes by environmental influences, they are more likely to contain materials that have concentrated levels of hazardous constituents. While opening closed units for sampling purposes, investigators/contractor's shall use Level B PPE, air monitoring instruments to ensure that the working environment does not contain hazardous levels of flammable/explosive gasses or toxic vapors, and follow the appropriate safety requirements stipulated in the site-specific HASP.

Buried waste materials should be located and excavated with extreme caution. Once the buried waste is uncovered, the appropriate safety and sampling procedures utilized will depend on the type of waste unit.

Open Units

While open units may contain many types of wastes and come in a variety of shapes and sizes, they can be generally regarded as either waste piles or surface impoundments.

Definitions of these two types of open units from 40 CFR Part 260.10 are:

- Waste pile -- any non-containerized accumulation of solid, non-flowing hazardous waste that is used for treatment or storage and that is not a containment building.

- Surface impoundment -- "...a facility or part of a facility which is a natural topographic depression, man-made excavation, or diked area formed primarily of earthen materials (although it may be lined with man-made materials), which is designed to hold the accumulation of liquid wastes or wastes containing free liquids, and which is not an injection well. Examples of surface impoundments are holding, storage, settling and aeration pits, ponds, and lagoons."

One of the distinguishing features between waste piles and surface impoundments is the state of the waste. Waste piles typically contain solid or non-flowing materials whereas liquid wastes are usually contained in surface impoundments. The nature of the waste will also determine the mode of delivering the waste to the unit. Wastes are commonly pumped

or gravity fed into impoundments while heavy equipment or trucks may be used to dump wastes in piles. Once the waste has been placed in an open unit, the state of the waste may be altered by environmental factors (e.g., temperature, precipitation, etc.).

Surface impoundments may contain several phases such as floating solids, liquid phase(s), and sludges. Waste piles are usually restricted to solids and semi-solids. All of the potential phases contained in a waste unit should be considered in developing the sample design to meet the study's objective.

Closed Units

There are a variety of designs, shapes, sizes, and functions of closed units. In addition to the challenges of the various designs and the safety requirements for sampling them, closed units are difficult to sample because they may contain liquid, solid, semi-solid/sludge, or any combination of phases. Based on the study's design, it may be necessary to obtain a cross sectional profile of the closed unit in an attempt to characterize the unit. The following are definitions of types of closed waste units described in 40 CFR Part 260.10:

- Container -- any portable device in which a material is stored, transported, treated, disposed, or otherwise handled. Examples of containers are drums, overpacks, pails, totes, and roll-offs.

- Tank -- a stationary device, designed to contain an accumulation of hazardous waste constructed primarily of non-earthen materials, which provide structural support.

Portable tanks, tank trucks, and tank cars vary in size and may range from simple to extremely complex designs. Depending on the unit's design, it may be convenient to consider some of these storage units as tanks for sampling purposes even though they meet the definition of a container.

- Ancillary equipment (tank) -- any device including, but not limited to, such devices as piping, fittings, flanges, valves, and pumps that is used to distribute, meter, or control the flow of hazardous waste from its point of generation to a storage or treatment tank(s), between hazardous waste storage and treatment tanks to a point of disposal on-site, or to a point of shipment for disposal off-site.

- Sump -- any pit or reservoir that meets the definition of a tank and those troughs/trenches connected to it that serve to collect hazardous wastes.

Note: some outdoor sumps may be considered open units/surface impoundments.

Although any of the closed units may not be completely sealed and may be partially open to the environment, the unit needs to be treated as a closed unit for sampling purposes until a determination can be made. Once a closed unit is opened, a review of the proposed sampling procedures and level of protection can be performed to determined if the (PPE) is suitable for the site conditions.

Samples collected from different waste units should not be composited into one sample container without additional analytical and/or field screening data to determine if the materials are compatible and will not cause an inadvertent chemical reaction.

EQUIPMENT

Selecting appropriate equipment to sample wastes is a challenging task due to the uncertainty of the physical characteristics and nature of the wastes. It may be difficult to separate, homogenize and/or containerize a waste due to its physical characteristics (viscosity, particle size, etc.). In addition, the physical characteristics of a waste may change with temperature, humidity, or pressure. Waste streams may vary depending on how and when a waste was generated, how and where it was stored/disposed, and the conditions under which it was

stored/disposed. Also, the physical location of the wastes or the unit configuration may prevent the use of conventional sampling equipment.

Given the uncertainties that a waste may present, it is desirable to select sampling equipment that will facilitate the collection of samples that will meet the study's objective, and that will not unintentionally bias the sample by excluding some of the sample population that is under consideration. However, due to the nature of some waste matrices or the physical constraints of some waste units, it may be necessary to collect samples knowing that a portion of the desired population was omitted due to limitations of the equipment. Any deviations from the study plan or difficulties encountered in the field concerning sample collection that may have an effect on the study's objective should be documented in a log book, reviewed with the analytical data, and presented in the report.

WASTE SAMPLING EQUIPMENT

Waste sampling equipment should be made of non-reactive materials that will neither add to nor alter the chemical or physical properties of the material that is being sampled. The attached Table 1 lists some conventional equipment for sampling waste units/phases and some potential limitations of the equipment. Another reference for selecting sampling equipment is the ASTM, Standard Guide for Selection of Sampling Equipment for Wastes and Contaminated Media Data Collection Activities, D6232-98.

WASTE SAMPLING PROCEDURES

Waste Piles

Waste piles vary in size, shape, composition, and compactness, and may vary in distribution of hazardous constituents and characteristics (strata). These variables will affect safety and access considerations. The number of samples, the type of sample(s), and the sample location(s) should be based on the study's objectives. Commonly used equipment to collect

samples from waste piles are listed in Table 1. All equipment should be compatible with the waste and should have been cleaned to prevent any cross contamination of the sample.

Surface Impoundments

Surface impoundments vary in size, shape, and waste content, and may vary in distribution of hazardous constituents and characteristics (strata). The number of samples, the type of sample(s), and the sample location(s) should be based on the study's objectives. Commonly used equipment to collect samples from surface impoundments are listed in Table 1. All equipment should be compatible with the waste and should have been cleaned to prevent any cross contamination of the sample.

Because of the potential danger of sampling waste units suspected of containing elevated levels of hazardous constituents, personnel should never attempt to sample surface impoundments used to manage potentially hazardous wastes from a boat. All sampling should be conducted from the banks or piers of surface impoundments. Any exception must be approved by the appropriate site safety officer and/or the Occupational Health and Safety Designee (OHSD).

Drums

Drums are the most frequent type of containers sampled by field investigators for chemical analyses and/or physical testing. Caution should be exercised by the field investigators when sampling drums because of the potential presence of explosive/flammable gases and/or toxic vapors. Therefore, the following procedures should be used when collecting samples from drums of unknown material:

1. Visually inspect all drums that are being considered for sampling for the following:
    - pressurization (bulging/dimples);
    - crystals formed around the drum opening;
    - leaks, holes, stains;

- labels, markings;
- composition and type (steel/poly and open/bung);
- condition, age, rust
- sampling accessibility

Drums showing evidence of pressurization and crystals should be furthered assessed to determine if remote drum opening is needed. If drums cannot be accessed for sampling, heavy equipment is usually necessary to stage drums for the sampling activities. Adequate time should be allowed for the drum contents to stabilize after a drum is handled.

2. Identify each drum that will be opened (e.g., paint sticks, spray paint, cones, etc).

LEVEL "B" PROTECTION IS REQUIRED FOR THE FOLLOWING PROCEDURES.

3. Before opening, ground each metal drum that is not in direct contact with the earth using grounding wires, alligator clips, and a grounding rod or metal structure. If a metal drum is in an overpack drum, the metal drum should be grounded.

4. Touch the drum opening equipment to the bung or lid and allow an electrical conductive path to form. Slowly remove the bung or drum ring and/or lid with spark resistant tools (brass/beryllium).

5. Screen drums for explosive gases and toxic vapor with air monitoring instruments as bung or drum lid is removed. Depending on site conditions screen for one or more of the following:
   - radioactivity
   - cyanide fumes
   - halogen vapors
   - pH
   - flash point (requires sample for testing)

   Note the state, quantity, phases, and color of the drum contents. Record all relevant results, observations, and information in a logbook.

6. Select the appropriate sampling equipment based on the state of the material and the type of container. Sampling equipment should be made of non-reactive materials that will meet the study's objective(s).

7. Place oil wipe (as necessary), sampling equipment, and sample containers near drum(s) to be sampled.

AIR MONITORING FOR TOXIC VAPORS AND EXPLOSIVE GASES AND OXYGEN DEFICIENT ATMOSPHERES SHOULD BE CONDUCTED DURING DRUM SAMPLING.

Liquids -- Slowly lower the COLIWASA or drum thief to the bottom of the container. Close the COLIWASA with the inner rod or create a vacuum with the sampler's gloved thumb on the end of the thief and slowly remove the sampling device from the drum. Release the sample from the device into the sample container. Repeat the procedure until a sufficient sample volume is obtained.

Solids/Semi-Solids -- Use a push tube, bucket auger, or screw auger or if conditions permit a pneumatic hammer/drill to obtain the sample. Carefully use a clean stainless steel spoon to place the sample into container(s) for analyses.

8. Close the drums when sampling is complete. Segregate contaminated sampling equipment and investigative derived wastes (IDW) containing incompatible materials as determined by the drum screening procedure (Step #5). At a minimum, contaminated equipment should be cleaned with laboratory detergent and rinsed with tap water prior to returning it from the field.

Tanks

Sampling tanks is considered hazardous due to the potential for them to contain large volumes of hazardous materials and therefore, appropriate safety protocols must be followed. Unlike drums, tanks may be compartmentalized or have complex designs.

Preliminary information about the tank's contents and configuration should be reviewed prior to the sampling operation to ensure the safety of sampling personnel and that the study's objectives can be achieved.

In addition to having discharge valves near the bottom of tanks and bulk storage units, most tanks have hatches at the top. It is desirable to collect samples from the top hatch because of the potential for the tank's contents to be stratified. Additionally, when sampling from the discharge valve, there is a possibility of a stuck or broken valve which could cause an uncontrolled release. Investigators should not utilize valves on tanks or bulk storage devices unless they are operated by the owner or operator of the facility, or a containment plan is in place should the valve stick or break. If the investigator must sample from a tank discharge valve, the valving arrangement of the particular tank must be clearly understood to insure that the compartment(s) of interest is sampled.

Because of the many different types of designs and materials that may be encountered, only general sampling procedures that outline sampling a tank from the top hatch are listed below:

1. All relevant information concerning the tank such as the type of tank, the tank capacity, markings, condition, and suspected contents should be documented in a logbook.

2. The samplers should inspect the ladder, stairs, and catwalk that will be used to access the top hatch to ensure that they will support the samplers and their equipment.

LEVEL "B" PROTECTION IS REQUIRED FOR THE FOLLOWING PROCEDURES.

3. Before opening, ground each metal tank using grounding wires, alligator clips, and a grounding rod or metal structure.

4. Any vents or pressure release valves should be slowly opened to allow the unit to vent to atmospheric pressure. Air monitoring for explosive/flammable gases and toxic vapors should be conducted during the venting with the results recorded in a log book. If dangerous concentrations of gases evolve from the vent or the pressure is too great, leave the area immediately.

5. Touch tank opening equipment to the bolts in the hatch lid and allow electrical conductive path to form. Slowly remove bolts and/or hatch with spark resistant tools (brass/beryllium). If a pressure build up is encountered or detected, cease opening activities and leave the area.

6. Screen tanks for explosive/flammable gases and toxic vapors with air monitoring instruments. Depending on the study objectives and site conditions, conduct characteristic screening (e.g., pH, halogen, etc.) as desired. Collect a small volume of sample for flash point testing, if warranted. Note the state, quantity, number of phases, and color of the tank contents. Record all relevant results, observations, and information in a logbook. Compare the screening results with any pre-existing data to determine if the tank should be sampled.

7. Select the appropriate sampling equipment based on the state of the material and the type of tank. Sampling equipment should be constructed of non-reactive materials that will meet the study's objective(s).

8. Place oil wipe (as necessary), sampling equipment, and sample containers near tanks(s) to be sampled.

AIR MONITORING FOR TOXIC VAPORS, EXPLOSIVE GASES AND OXYGEN DEFICIENT ATMOSPHERES SHOULD BE CONTINUOUS DURING TANK SAMPLING.

Liquids -- Slowly lower the bailer, bacon bomb, DipstickTM, COLIWASA, or Teflon® tubing to the desired sampling depth. (NOTE: In work areas where explosive/flammable atmospheres could occur, peristaltic pumps powered by 12 V. batteries should not be used.) Close the sampling device or create a vacuum and slowly remove the sampling device from

the tank. Release the sample from the device into the sample container. Repeat the procedure until a sufficient sample volume is obtained.

Solids/Semi-Solids - Use a push tube, bucket auger, screw auger, MucksuckerTM, or if conditions permit a pneumatic hammer/drill to obtain the sample. Carefully extrude the sample from the sampling device or use a clean stainless steel spoon to place the sample into containers for analyses.

9. Close the tank when sampling is complete. Segregate contaminated sampling equipment and investigative derived wastes (IDW) containing incompatible materials as determined by the screening procedure (Step #6). At a minimum, contaminated equipment should be cleaned with laboratory detergent and rinsed with tap water prior to returning it from the field. IDW should be managed according to Section 5.15, and Region 4's Contaminated Media Policy.

Miscellaneous Contaminated Materials

Sampling may be required of materials or equipment (e.g., documents, building materials, equipment, etc.) to determine whether or not various surfaces are contaminated by hazardous constituents, or to evaluate the effectiveness of decontamination procedures.

Wipe or swab samples may be taken on non-absorbent, smooth surfaces such as metal, glass, plastic, etc. The wipe materials must be compatible with the solvent used and the analyses to be performed, and should not come apart during use. The wipes are saturated with a solvent; methylene chloride, hexane, isopropanol or analyte free water depending on the parameters to be analyzed. The laboratory performing the analyses can provide the appropriate solvent. Wipe samples should not be collected for volatile organic compounds analysis. Sampling personnel should be aware of hazards associated with the selected solvent and should take appropriate precautions to prevent any skin contact or inhalation of these solvents. All surfaces and areas selected for sampling should be based on the study's

objectives. Typically, 10 cm by 10 cm templates are prepared from aluminum foil which are secured to the surface of interest. The prepared (saturated with solvent) wipe(s) is removed from its container with tongs or gloves, and used to wipe the entire area with firm strokes using only one side of the wipe. The goal is to systematically wipe the whole area. The wipe is then folded with the sample side inward and placed into the sample container. This procedure is repeated until the area is free of visible contamination or no more wipes remain. Care should be taken to keep the sample container tightly sealed to prevent evaporation of the solvent. Samplers must also take care to not touch the used side of the wipe.

For items with porous surfaces such as documents (usually business records), insulation, wood, etc., actual samples of the materials are required. It is therefore important, that during the collection and/or analyses of the sample that evidentiary material is not destroyed.

All secondary containing pails will be secured in the vehicles while transporting the samples from the field to the laboratory for analyses. In addition, each pail should indicate when protective equipment is recommended to handle the actual waste/sample material

REFERENCEs

United States Environmental Protection Agency. November 2001. *Environmental Investigations Standard Operating Procedures and Quality Assurance Manual.*

Roux FOPs:

011 Calibration and Maintenance of Portable Photoionization Detector
046 Sample Labeling, Storage and Shipment Procedures

TABLE 1

SAMPLING EQUIPMENT for VARIOUS WASTE UNITS

Equipment	Waste Units/Phases	Limitations
scoop with bracket/conduit	impoundments, piles, containers, tanks/liquids, solids, sludges	Can be difficult to collect deeper phases in multiphase wastes. Depth constraints.
spoon	impoundments, piles, containers/solids, sludges	Similar limitations as the scoop. Generally not effective in sampling liquids.
push tube	piles, containers/cohesive solids, sludges	Should not be used to sample solids with dimensions >'/2 the diameter of the tube. Depth constraints
auger	impoundments, piles, containers / solids	Can be difficult to use in an impoundment or a container, or for solidified wastes.
sediment sampler	impoundments, piles/solids, sludges	Should not be used to sample solids with dimensions >'/2 the diameter of the tube.
ponar dredge	impoundments/solids, sludges	Must have means to position equipment to desired sampling location. Difficult to decon.
COLIWASA or drum	impoundments, containers,	Not good with viscous wastes. Devices >_ 7'
thief	tanks/liquids	Require 2 samplers to use effectively.
DipstickTM /	impoundments, containers,	Not recommended for tanks >11 feet deep.
MucksuckerTM	tanks/liquids, sludges	Devices _> 7' require 2 samplers to use effectively
bacon bomb	impoundments, tanks/ liquids	Not good with viscous wastes.
bailer	impoundments, tanks/ liquids	Only if waste is homogeneous. Not good with viscous wastes
peristaltic pump with vacuum jug assembly	impoundments, tanks/liquids	Cannot be used in flammable atmospheres. Not good with viscous wastes
back-hoe bucket	piles/solids, sludges	May be difficult to access desired sampling location. Difficult to decon. Can lose volatiles.
split-spoon	piles/solids	Requires drill rig or direct push equipment.
roto-hammer	piles, containers/solids	Physically breaks up sample. May release volatiles. Not for flammable atmospheres.

ROUX

FIELD OPERATING PROCEDURES

Calibration & Maintenance of Portable Particulate Meter

FOP 084.0

CALIBRATION AND MAINTENANCE OF PORTABLE PARTICULATE METER

PURPOSE

This guideline describes a method for calibration of a portable particulate meter, specifically the Thermo Electron Corporation MIE DataRAM 4 (Model DR-4000). The DataRAM 4 measures the concentration of airborne particulate matter (liquid or solid), as well as mean particle size, air temperature, and humidity, providing direct and continuous readout as well as electronic recording of the information. This parameter is of interest both as a general indicator of air quality, and because of its pertinence to community air monitoring typically required at most construction/remediation/investigation sites. The DataRAM covers a wide measurement range from 0.0001 mg/m^3 to 400 mg/m^3. With its large capacity internal data logging capabilities with data retrieval on screen or downloaded, the DataRAM can store up to 50,000 data points, including individual point averages, particle size, temperature, and humidity with time stamp as well as overall average and maximum concentration.

Because the DataRAM meter must be factory calibrated once a year, this guideline presents a method for start-up, operation, and maintenance, which is performed to verify instrument function. All field instruments will be calibrated, verified and recalibrated at frequencies required by their respective operating manuals or manufacturer's specifications, but not less than once each year. Field personnel should have access to all operating manuals for the instruments used for the field measurements. This procedure also documents critical maintenance activities for this meter. The user should reference the manufacturer's instruction manual prior to operating this unit.

ACCURACY & PRECISION

The calibrated accuracy of the DataRAM 4 particulate meter is within ± 2% of reading ± precision over the temperature range of -4° to 158° F (-10° to 50° C) and 10 to 95% relative humidity (non-condensing). The precision is ± 1% of reading or ± 0.001 mg/m^3, whichever

is greater (1-second averaging) and ± 0.3% of reading or ± 0.0003 mg/m^3, whichever is greater (10-second averaging).

INSTRUMENT PANEL VIEW

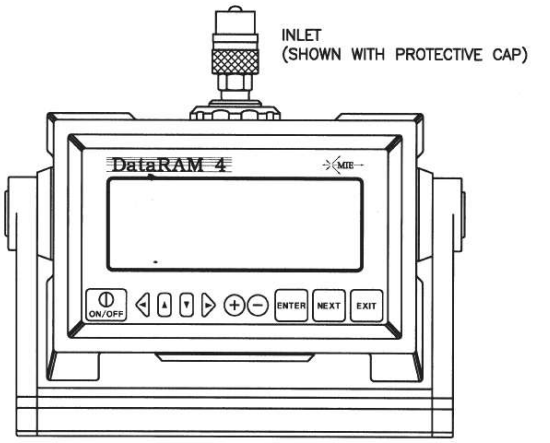


FIGURE 1. FRONT–PANEL VIEW OF DataRAM

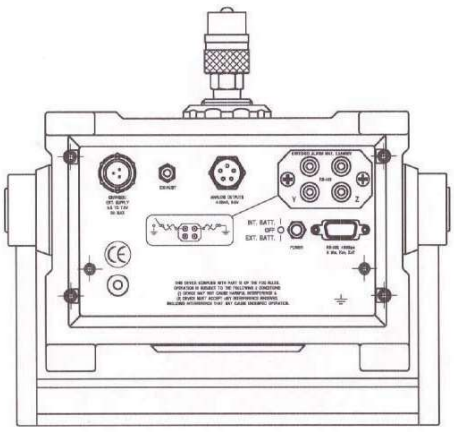


FIGURE 2. BACK–PANEL VIEW OF DataRAM

MAINTENANCE

General Guidelines

The DataRAM 4 is designed to be repaired at the factory. No user serviceable components are inside the metal enclosure of the DataRAM 4 with exception of the filter cartridge or the analytic filter holder. Access to the internal components of the unit by others than authorized MIE personnel voids warranty.

Unless a MALFUNCTION message is displayed, or other operational problems occur, the DataRAM 4 should be returned to the factory once every two years for routine check out, test, cleaning and calibration check.

Battery Charging and Cycling

If the DataRAM 4 is to be operated without its charger/power supply, i.e., deriving power from its internal battery, this battery should be fully charged before initiating a run. The

DataRAM 4 charger/power supply can be connected continuously to the instrument whether the DataRAM 4 is on or off. If the charger/power supply is not connected, the internal battery will discharge very slowly depending on storage temperature. Low storage temperature reduces battery capacity. High storage temperatures, however, reduce battery life which is of the order of 8 years at 20°C (68°F), and only 2 years at 40°C (104°F).

In general, the user should maintain the battery charge as high as possible in order to extend its charge/discharge cycling capacity (this characteristic differs from that of nickel-cadmium batteries).

Instrument Storage

If the DataRAM 4 is to be stored for an extended period of time (i.e., 3 months or more), place the 3-position switch on the back panel in its OFF position (mid-position), in order to minimize gradual battery discharge. This will have no effect on data retention or internal clock function. It is recommended, however, that the battery be recharged every 3 months in order to prolong battery life.

During storage always snap on quick-connect cap over the instrument inlet to protect the sensing optics from gradual dust contamination. Store DataRAM 4 in a dry environment.

Filter Replacement

To replace either of two types of filters used with DataRAM 4, place the instrument on its back rubber feet (front panel facing upward). On the bottom surface of the DataRAM, locate the large threaded plastic filter cover and holding the cross bar, rotate this cover counterclockwise. Remove cover and the filter holder within the open cavity.

HEPA Filter Cartridge Replacement

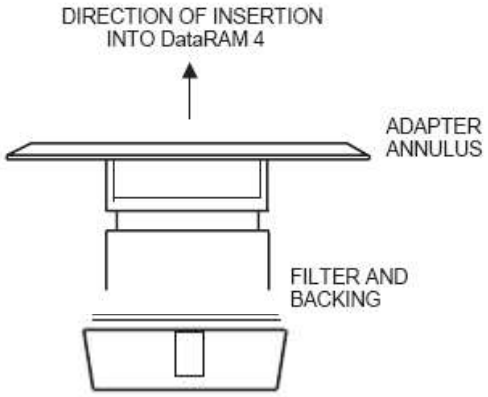
The DataRAM 4 is shipped from the factory with the HEPA filter cartridge installed. This cartridge can be identified by its metallic cover. Remove this cartridge. Clean the internal black rubber gasket against which the cartridge is normally compressed. Install new HEPA-type cartridge (MIE part no. MSA-95302) by inserting its wider ridged end first. Reposition threaded plastic cover engaging threads carefully; rotate cover clockwise, hand tightening firmly. Properly dispose of used cartridge to prevent inadvertent re-use.

Analytic Filter Installation/Replacement

In order to install or replace the analytical filter holder, proceed as follows. Remove the HEPA cartridge normally in place. Remove (separate) the inlet cover (with the blue plug) of the Millipore plastic filter holder from the rest of that holder assembly containing the white membrane filter. Insert firmly the gray plastic adapter annulus into the open face of the filter holder assembly. Remove the red plastic plug from the exhaust nipple of the filter holder assembly. Ensure that all three components of the holder assembly are fully compressed to preclude any leafage. Insert the assembly into the filter cavity of the DataRAM 4 with the gray plastic adapter annulus bearing against the internal black gasket (adapter annulus inserted first). Reposition threaded plastic cover and hand-tighten carefully and firmly. Set aside HEPA cartridge for future use.

In order to remove and/or to replace the membrane filter within its holder, remove the gray plastic adapter annulus and separate (pry apart) the two transparent plastic rings that compress the membrane filter. Make sure to remove and replace only the membrane filter (using tweezers), leaving the white backing disc in the holder. A new membrane filter should then be placed over that backing and the sealing ring should then be inserted to trap and compress the filter and backing discs. For storage, the inlet cap with the blue plug should be inserted as well as the red plug on the back of the filter holder.

Analytical filter holder with adapter annulus inserted



Cleaning of Optical Sensing Chamber

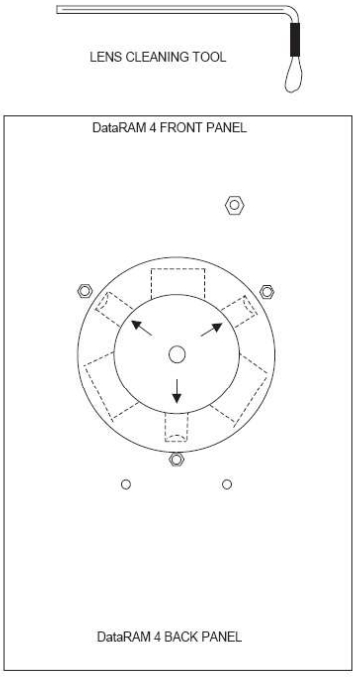
Although the DataRAM 4 incorporates filtered air shielding of the critical optical sensing surfaces, continued sampling of airborne particles at high concentrations may result in gradual build-up of contamination on those interior surfaces of the sensing chamber components. This may cause an excessively high optical background level. If this background level does becomes excessive, the DataRAM 4 will alert the user at the completion of the zeroing sequence by the display of a BACKGROUND HIGH message. If this message is presented, the DataRAM 4 can continue to be operated providing accurate measurements. However, it is then advisable to clean the front surfaces of the optical lenses within the sensing chamber at the first convenient opportunity, as described below. The tools required for this cleaning are: an intense concentrated light source (e.g., flash light) to view the inside of the sensing chamber, denatured alcohol, a soft lint-free cloth, and the special cleaning tool provided with the DataRAM 4 consisting of a cut-off cotton swab inserted in a plastic sleeve and held by a right-angle Allen wrench.

Proceed as follows to clean the lens surfaces within the sensing chamber:

- **Make sure to shut off power completely before proceeding with cleaning**
- Install the stainless steel cover on the inlet of the DataRAM 4 to protect this fitting.
- Place the DataRAM 4 upside down on a table, resting the instrument on the inlet cover and the rear protective bumper.
- Unscrew the gray plastic cover of the filter cavity on the bottom surface of the DataRAM 4.
- Remove the filter cartridge from its cavity.
- Carefully clean the black soft filter-sealing gasket within the filter cavity by wiping it with the lint-free soft cloth. Use alcohol if necessary.
- Shine the concentrated light source into the sensing chamber located about 3 cm (1¼ in.) beyond the soft-sealing gasket in the filter cavity.
- Locate the three smaller side cavities inside the sensing chamber, identified by the arrows on that figure (see page 6). These three cavities contain the lenses of the two sources and the common detector of the DataRAM 4. The frontal surfaces of these lenses are likely to require cleaning if the instrument indicates BACKGROUND HIGH.
- Wet the cotton swab of the lens-cleaning tool with alcohol (e.g., methanol, ethanol, or rubbing alcohol).

- Holding the cleaning tool by its long handle, insert this tool into the sensing chamber without touching the walls of this chamber.
- Direct the cotton swab tip towards the opening of one of the three smaller cavities as indicated by the arrows of the figure below, and insert the cotton tip into this cavity as far as it will go. Gently wipe that internal surface touched by the swab tip by a rotating motion. Carefully withdraw the swab tip from the cavity.
- Repeat previous cleaning step for the other two small cavities.
- Carefully remove the cleaning tool from the sensing chamber. Allow the alcohol to dry leaving the filter cavity open for about 15 minutes.
- Re-insert the filter cartridge into its cavity and close it with its gray plastic cover, hand-tightening it firmly. Remove the inlet cap and store on its pod on the back panel.
- Place the DataRAM 4 right side up and key ON. Proceed to check its optical background by running the ZERO/INITIALIZE check as. The message READY! should appear at the end of this check indicating that the lens contamination has been eliminated. Should the message BACKGROUND HIGH persist after completion of the above-described lens cleaning procedure, please contact the factory.

Lens cleaning tool and bottom view of open filter cavity showing location of sensor chamber lens cavities (arrows).



FACTORY CALIBRATION

For mass concentration measurements, each DataRAM 4 is factory calibrated against a set of reference monitors that, in turn, are periodically calibrated against a gravimetric standard traceable to the National Institute of Standards and Testing (NIST).

The primary factory reference method consists of generating a dust aerosol by means of a fluidized bed generator, and injecting continuously the dust into a mixing chamber from which samples are extracted concurrently by two reference filter collectors and by two master real-time monitors that are used for the routine calibration of every DataRAM 4.

The primary dust concentration reference value is obtained from the weight increase of the two filters due to the dust collected over a measured period of time, at a constant and known flow rate. The two master real-time monitors are then adjusted to agree with the reference mass concentration value (obtained from averaging the measurements of the two gravimetric filters) to within ±1%.

Three primary, NIST traceable, measurements are involved in the determination of the reference mass concentration: the weight increment from the dust collected on the filter, the sampling flow rate, and the sampling time. Additional conditions that must be met are: a) suspended dust concentration uniformity at all sampling inlets of the mixing chamber; b) identical sample transport configurations leading to reference and instrument under calibration; and c) essentially 100% collection efficiency of filters used for gravimetric reference for the particle size range of the test dust.

The test dust used for the MIE factory calibration of the DataRAM 4 is SAE Fine (ISO Fine) supplied by Powder Technology, Inc. It has the following physical characteristics (as dispersed into the mixing chamber):

- Mass median aerodynamic particle diameter: 2 to 3 μm
- Geometric standard deviation of lognormal size distribution: 2.5
- Bulk density: 2.60 to 2.65 g/cm3
- Refractive index: 1.54

In addition to the mass calibration described above, the DataRAM 4 is factory calibrated using a gas with known scattering coefficient in order to adjust the relative scattering irradiance at the two source wavelengths.

ATTACHMENTS

None

ROUX

FIELD OPERATING PROCEDURES

Field Quality Control Procedures

FOP 085.0

FIELD QUALITY CONTROL PROCEDURES

PURPOSE

In addition to traditional environmental samples (e.g., soil, groundwater, wipe, vapor etc.) described in each project work plan, site-specific field quality assurance/quality control (QA/QC) samples are typically collected and analyzed to support the required third-party data usability assessment effort of a project. Site-specific QA/QC samples generally include matrix spikes, matrix spike duplicates, blind duplicates (where appropriate), and trip blanks which accompany aqueous volatile organic compound (VOC) samples only.

The number of QA/QC field samples (blind duplicate, matrix spike/matrix spike duplicate, trip blank, field blank, or equipment blank) will be designated prior to field mobilization, but final QC sample locations will be contingent upon field conditions. This procedure outlines and discusses each QA/QC sample that may be required during a project.

PROCEDURE

A brief summary of each QA/QC sample identified above is presented below. Where appropriate, the procedure to be used to collect these samples is also presented.

- **Trip Blanks** – A sufficient number of trip blanks for VOC analysis must be prepared by the laboratory and delivered to the sampling team prior to a sampling event, typically two or three 40-ml VOA vials with organic free reagent water. One sealed blank will be carried into the field per day along with the sample containers for each day that water matrix volatile organic samples are collected. Trip blanks will be transported and handled in the same manner as the actual samples. The results of the trip blank analysis will be reviewed to evaluate if the potential for sample contamination during transportation and handling exists. The trip blanks will be analyzed for the same VOCs (and method) as the project groundwater samples.

- **Blind Duplicate** – One blind duplicate must be collected and analyzed per 20 samples collected per matrix (i.e., soil, groundwater, soil vapor, etc.). The location

of the sample collection point will not be disclosed to the analytical laboratory, therefore the field sample containers will be returned to the laboratory identified only as the "blind duplicate." The well or sample location will be recorded in the Project Field Book or handheld RuggedReader® Pocket PC and on the field data sheets, and the results will be compared to review analytical precision. Sample analysis will be identical to the original sample per the project work plan. The Blind Duplicate sample must be collected simultaneously from the same source under identical conditions as the original sample.

- **Matrix Spike/Matrix Spike Duplicate (MS/MSD)** – A sufficient volume of sample will be collected at one sampling location per sampling event for MS/MSD analysis per matrix (i.e., soil and groundwater only). The laboratory will report the results of the MS/MSD analysis, which will be reviewed for sampling and analysis precision and accuracy. Sample analysis will be identical to the original sample per the project work plan. The MS/MSD sample must be collected simultaneously from the same source under identical conditions as the original sample.

- **Equipment (Rinsate) Blank** – In general, dedicated sampling equipment is used to minimize field decontamination time and avoid the need for equipment blanks; however there may be instances where the use of non-dedicated equipment cannot be avoided. An equipment blank will be collected for each day of sampling activity when non-dedicated sampling equipment is used. These equipment blank samples will be used as a QC check of the decontamination procedures for sampling equipment. Sample analysis for the equipment blank will consist of the most comprehensive parameter list used for risk assessment in which the non-dedicated equipment was used for environmental sample collection. During most projects, every effort to use dedicated sampling equipment should be made in order to minimize field decontamination time and avoid the need for equipment blanks. Equipment Blank sampling procedure is as follows:
    - Non-dedicated equipment are to be decontaminated in accordance with Roux's Non-disposable and Non-dedicated Sampling Equipment Decontamination procedures prior to use in the field. If organic-free

deionized water (generally provided by the laboratory) is not available for decontamination, equipment will be allowed to thoroughly air dry.
    - Once properly rinsed or allowed to air dry, analyte-free water (provided by the laboratory) is poured appropriately over or through the decontaminated sample collection device, collected in a sample container, and returned to the laboratory as a sample.

- **Field Blank** – A field blank is a sample of the unused final decontamination rinse water that is collected at the sampling site and returned to the laboratory as a sample. Sample analysis for the field blank will consist of the most comprehensive parameter list used during the investigation.

- **Split Sample** – A split sample is a sample that has been portioned into two or more containers from a single sample container or sample mixing container. Samples for VOC analysis should never be mixed prior to splitting.

- **Blank Wipe Samples** – There are two types of blank wipe samples, an equipment blank and a field blank that may be required per the project work plan, both are described below:
    - Equipment Blank – Required only if reusable templates are used for wipe sample collection. The decontaminated template is wiped with a hexane saturated swab. The swab is placed in the appropriate sample container and returned to the laboratory as a sample.
    - Field Blank – Clean disposable gloves are wiped with a hexane saturated swab. The swab is placed in the appropriate sample container and returned to the laboratory as a sample.

REFERENCES

Roux FOPs:

040 Non-disposable and Non-dedicated Sampling Equipment Decontamination

ROUX

FIELD OPERATING PROCEDURES

Underground Piping Decommissioning Procedures

FOP 088.0

UNDERGROUND PIPING DECOMMISSIONING PROCEDURES

PURPOSE

This procedure describes the method for the excavation and removal of underground piping requiring decommissioning that may contain hazardous or flammable material. Prior to each day or as necessary, the project Health and Safety Plan (HASP) will be reviewed with field personnel (e.g., tailgate safety meeting). It is the responsibility of field personnel to ensure all field equipment is in proper working order and calibrated according to manufacturer's recommendations.

PROCEDURE

1. Review project objectives and the Project HASP with the Contractor.

2. Perform excavation equipment safety checks with the operator. Specific concerns should include, but not limited to, no leaking hydraulic lines, fire extinguisher on board of the excavation equipment, operator experience etc.

3. Conduct tailgate health and safety meeting with project team and excavation operator(s) by completing the Tailgate Safety Meeting Form (sample attached). Discuss with excavation contractor personnel the scope of work and what will be expected of them.

4. Calibrate air-monitoring equipment in accordance with the appropriate TurnKey's Field Operating Procedures or manufacturers recommendations for calibration of field meters.

5. Conduct community air monitoring as required by the HASP and/or Project Work Plan. Record all results on the Real Time Air Monitoring Log (sample attached), as necessary.

6. Mobilize the excavation equipment to the site and position over the required location.

7. Pre-stake locations in the field and measure distance from locations to nearest landmarks or survey the location using a handheld GPS unit, as required.

8. Wear appropriate protective gear (i.e., latex gloves, safety glasses), as required in the project HASP.

9. Excavate and expose underground piping requiring decommissioning in accordance with TurnKey's Test Pit Excavation & Logging Procedures FOP. Great care should be taken to avoid damaging the pipe and allowing the contents, if any, to be released to the environment.

10. Once exposed, over excavate the area around the section of pipe to be cut and place a container below the pipe. Tap two test holes in the top of the pipe using an intrinsically safe drill with non-sparking drill bit approximately 15 feet from the open end of the pipe (above the container).

11. Continue monitoring the ambient air space within the excavation for worker safety until work is complete. Refer to the project HASP for action levels.

12. Remove any solids and/or liquids within the first 15 to 20 feet of exposed pipe to the extent practicable.

13. Insert an appropriately sized double pipe seal apparatus into the open end of the pipe.

14. Using a single pipe seal apparatus attached to a steel rod, push the double pipe seal into the pipe beyond the tap holes (approximately 16 feet or so). Be sure to capture any residuals flowing out of the two tap holes with the previously mentioned container.

15. Retract the single pipe seal and push rod leaving an approximate 1 to 2 foot void space between the single and double pipe seal.

16. Through one of the tap holes, test the ambient air quality of the newly created void space between seals with an oxygen meter and explosimeter. If the air quality within the pipe indicates 0% oxygen on the oxygen meter and less than

10% Lower Explosive Limit (LEL) on the explosimeter, proceed with cutting the pipe into workable sections.

17. If the void space air quality exceeds either of those levels, inject nitrogen (or approved other inert gas) through the tap holes into the void air-space until safe levels are achieved. Nitrogen is 3% less dense than ambient air.

18. Cut the pipe into manageable sections (typically 15 feet) while periodically monitoring the ambient air within the pipe and injecting additional nitrogen (or approved other inert gas), as necessary.

19. Once section of pipe is removed, proceed with final cleaning activities in accordance with the project Work Plan and any local, state, and/or federal regulations.

20. Record all observations in the Project Field Book, including but not limited to length of recovered pipe, air monitoring observations, depths, diameters, etc.

ATTACHMENTS

Tailgate Safety Meeting Form (sample)
Real Time Air Monitoring Log (sample)

REFERENCES

TurnKey FOPs:
006 Calibration and Maintenance of Combustible Gas/Oxygen Meter
065 Test Pit Excavation & Logging Procedures

TAILGATE SAFETY MEETING FORM

Project Name: Date: Time:
Project Number: Client:
Work Activities:

HOSPITAL INFORMATION:

Name:
Address: *City:* *State:* *Zip:*
Phone No.: *Ambulance Phone No.*

SAFETY TOPICS PRESENTED:

Chemical Hazards:

Physical Hazards: Slips, Trips, Falls

PERSONAL PROTECTIVE EQUIPMENT:

Activity:	*PPE Level:*	A	B	C	D
Activity:	*PPE Level:*	A	B	C	D
Activity:	*PPE Level:*	A	B	C	D
Activity:	*PPE Level:*	A	B	C	D
Activity:	*PPE Level:*	A	B	C	D

New Equipment:

Other Safety Topic (s): Environmental Hazards (aggressive fauna)
Eating, drinking, use of tobacco products is prohibited in the Exclusion Zone (EZ)

ATTENDEES

Name Printed	Signatures

Meeting conducted by:

SAMPLE

REAL TIME AIR MONITORING LOG

Date:
Project Name:
Project Number:
Project Location:
Client:
Purpose of Air Monitoring:

WEATHER CONDITIONS:

Time of Day:	A.M.	P.M.
Ambient Air Temp.:		
Wind Direction:		
Wind Speed:		
Precipitation:		

Date	Personnel	Time	Air Monitoring Meter Measurement (Units)							Location/Activity/Comments
			PID (ppm)	LEL (%)	H_2S (ppm)	O_2 (%)	CO (ppm)	Particulates (mg/m³)	Other	

SAMPLE

NOTE: SEE EQUIPMENT CALIBRATION LOG FOR DESCRIPTION OF EQUIPMENT TYPE.

Prepared By: Date:

ROUX

FIELD OPERATING PROCEDURES

Outdoor Ambient Air VOC Sample Collection Procedure

FOP 090.0

OUTDOOR AMBIENT AIR VOC SAMPLE COLLECTION PROCEDURE

PURPOSE

This procedure describes the methods for collecting outdoor ambient air samples for volatile organic compound (VOC) analysis via USEPA Method TO-15 using Summa® canisters (or approved other). Typically, outdoor air samples are collected to characterize and document site-specific VOCs that may be present in outdoor ambient air. For sample collection associated with intrusive activities that may potentially release VOCs to the ambient air, sample location(s) typically are collected downwind of the intrusive activity at the perimeter of the work area and/or exclusion zone for the Site. Upwind sample location(s) may be utilized if regional facilities (e.g. gasoline service station, factories) are located proximate to the Site to assess off-site ambient VOC contributions (background).

SAMPLE COLLECTION PROCEDURES

The following actions should be taken to document conditions during outdoor air sampling and ultimately to aid in the interpretation of the analytical results:

- A site map should be prepared to indicate the outdoor ambient air sample locations including all site improvements (e.g., buildings, access roads, etc.), public roads/streets (if applicable), the location of potential VOC contributors (e.g., gasoline stations, factories, lawn movers, etc.), compass orientation (north), and scale.

- Weather conditions (e.g., precipitation, wind speed, outdoor temperature, and barometric pressure) should be reported on the Air Canister Field Record (sample attached); and

- Any pertinent observations, such as odors, readings from field instrumentation, and significant activities in the vicinity (e.g., operation of heavy equipment or dry cleaners) should be recorded.

The following describes the outdoor air sampling procedure:

1. Typically, a 6-liter, passivated (inert), stainless steel, evacuated sampling sphere (e.g., Summa canister) (or approved other) will be supplied by the laboratory that will be conducting the analysis. The canister should be received from the laboratory, certified clean, evacuated, and prepared for sampling.

2. Sampling will take place in accordance with the project work plan. Selected sample locations will be sufficiently spaced to allow location(s) to be field modified, if necessary.

3. The number of Summa canisters required as well as the flow rate of the constant differential low volume flow controllers will be supplied by the laboratory in accordance with the project work plan.

4. Prior to placement, complete an Air Canister Field Record (sample attached) of each canister, which includes: project information, field staff, weather conditions, canister serial number, flow controller number, sample date(s)/time(s), shipping date(s), canister lab vacuum, field vacuum check, initial field vacuum, final field vacuum, and duration of sample collection.

5. The pressure in the canisters must be monitored with the laboratory provided pressure gauge at the beginning and the end of the sampling period as well as before and after shipment of the canisters at the laboratory. The **target final field vacuum must be approximately 5 inches of mercury. Samples with a final field vacuum of greater than 10 inches of mercury, or equal to zero, will be flagged** and usability of the data will depend on the sample volume and reporting limits that can be achieved.

6. Canisters may be placed on the ground provided there is a clear plastic sheet beneath it to prevent cross contamination. The intake tubing, however, must be positioned at a height of approximately 3 to 5-feet above grade to collect air at an elevation representative of ambient air within the breathing zone. Typically, the canister is chained and locked to a secure step ladder with the intake tubing tethered to the ladder.

7. Ship the canisters to the laboratory under chain-of-custody command within three days of sample collection so that no sample will exceed the 30-day holding time (since receipt from the lab) per USEPA TO-15.

8. Air samples will be analyzed by Gas Chromatography/Mass Spectroscopy (GC/MS) in accordance with EPA Method TO-15, or as specified. Analytical results will be reported as concentrations of each VOC at each location during each sampling event, typically in parts per billion by volume (ppbv).

9. Sample collection should take place on warm, dry days. If rain or high humidity conditions develop during sampling, the sampling event should be suspended. Temperature, barometric pressure, and wind speed should be monitored during the sampling event, for use in analysis of the results. The combination of sampling location, height, and meteorological conditions will assure that sampling will measure VOCs at their highest concentrations.

QUALITY ASSURANCE / QUALITY CONTROL (QA/QC)

Extreme care should be taken during all aspects of sample collection to ensure that sampling error is minimized and high quality data are obtained. The sampling team members should avoid actions (e.g., fueling vehicles, using permanent marking pens, and wearing freshly dry-cleaned clothing or personal fragrances), which can cause sample interference in the field. Appropriate QA/QC protocols must be followed for sample collection and laboratory analysis, such as use of certified clean sample devices, meeting sample holding times and temperatures, sample accession, chain of custody, etc. Samples should be delivered to the analytical laboratory as soon as possible after collection. In addition, laboratory accession procedures must be followed including field documentation (sample collection information and locations), chain of custody, field blanks, field sample duplicates, and laboratory duplicates, as appropriate.

Some methods require collecting samples in duplicate to assess errors. Duplicate and/or split samples should be collected in accordance with the requirements of the sampling and analytical methods being implemented.

For certain regulatory programs, a Data Usability Summary Report (DUSR) may be required to determine whether or not the data, as presented, meets the site or project specific criteria for data quality and data use. This requirement may dictate the level of QC and the category of data deliverable to request from the laboratory. Guidance on preparing a DUSR is available by contacting the NYSDEC's Division of Environmental Remediation.

New York State Public Health Law requires laboratories analyzing environmental samples collected from within New York State to have current Environmental Laboratory Approval Program (ELAP) certification for the appropriate analyte and environmental matrix combinations. If ELAP certification is not currently required for an analyte (e.g., trichloroethene); then the analysis should be performed by a laboratory that has ELAP certification for similar compounds in air and uses analytical methods with detection limits similar to background (e.g., tetrachloroethene via EPA Method TO-15).

ATTACHMENTS

Air Canister Field Record (sample)

REFERENCES

United States Environmental Protection Agency. *Compendium of Methods for the Determination of Toxic Organic Compounds in Ambient Air*. Second Addition (EPA/625/R-96/010b). January 1999.

AIR CANISTER FIELD RECORD

PROJECT INFORMATION:

Project:
Job No:
Location:
Field Staff:
Client:

SAMPLE I.D.:

Size of Canister:
Canister Serial No.:
Flow Controller No.:
Sample Date(s):
Shipping Date:
Sample Type: ☐ Indoor Air ☐ Outdoor Air
☐ Subslab, complete section below ☐ Soil Gas
Soil Gas Probe Depth:

WEATHER CONDITIONS:

Ambient Air Temp. - A.M.:
Ambient Air Temp. - P.M.:
Wind Direction:
Wind Speed:
Precipitation:

FIELD SAMPLING INFORMATION:

READING	TIME	VACUUM (inches Hg) or PRESSURE (psig)	DATE	INITIALS
Lab Vacuum (on tag)				
Field Vacuum Check [1]				
Initial Field Vacuum [2]				
Final Field Vacuum [3]				
Duration of Sample Collection				

LABORATORY CANISTER PRESSURIZATION:

Initial Vacuum (inches Hg and psia)		
Final Pressure (psia)		
Pressurization Gas		

SUBSLAB SHROUD:

Shroud Helium Concentration:
Calculated tubing volume: x 3 =
Purged Tubing Volume Concentration:
Is the purged volume concentration less than or equal to 10% in shroud?
☐ YES, continue sampling
☐ NO, improve surface seal and retest

COMPOSITE TIME (hours)	FLOW RATE RANGE (ml/min)
15 Min.	316 - 333
0.5 Hours	158 - 166.7
1	79.2 - 83.3
2	39.6 - 41.7
4	19.8 - 20.8
6	13.2 - 13.9
8	9.9 - 10.4
10	7.92 - 8.3
12	6.6 - 6.9
24	3.5 - 4.0

NOTES:

1 Vacuum measured using portable vacuum gauge (provided by Lab)
2 Vacuum measured by canister gauge upon opening valve
3 Vacuum measured by canister gauge prior to closing valve

Signed: