Brownfield Cleanup Program Application

343 Elk Street Site
Buffalo, NY

December 2007 0144-001-101

Prepared For:

Shield of Armor, LLC

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

BROWNFIELD CLEANUP PROGRAM (BCP)

ECL ARTICLE 27 / TITLE 14

DEPARTMENT USE ONLY
BCP SITE #:_____

7/06

Section I. Requestor Information

NAME Shield of Armor, LLC		
ADDRESS 224 Elk Street		
CITY/TOWN Buffalo	ZIP CODE 14210	
PHONE 716-825-0190	FAX 716-827-0132	E-MAIL
NAME OF REQUESTOR'S REPRESENTATIVE Mr. Thomas Pawlak		
ADDRESS 224 Elk Street		
CITY/TOWN Buffalo, NY	ZIP CODE 14210	
PHONE 716-825-0190	FAX 716-827-0132	E-MAIL tpawlak@armorelectricservices.com
NAME OF REQUESTOR'S CONSULTANT Benchmark Environmental Engineering and Science, PLLC		
ADDRESS 726 Exchange Street, Suite 624		
CITY/TOWN Buffalo, NY	ZIP CODE 14210	
PHONE 716-856-0599	FAX 716-856-0583	E-MAIL pwerthman@benchmarkees.com
NAME OF REQUESTOR'S ATTORNEY Mr. Robert Knoer, Esq.		
ADDRESS 1707 Liberty Building, 424 Main Street		
CITY/TOWN Buffalo, NY	ZIP CODE 14202	
PHONE (716)332-0032	FAX	E-MAIL rknoer@knoergroup.com

THE REQUESTOR MUST CERTIFY THAT HE/SHE IS EITHER A PARTICIPANT OR VOLUNTEER IN ACCORDANCE WITH ECL § 27-1405 (1) BY CHECKING ONE OF THE BOXES BELOW:

☐ PARTICIPANT

A requestor who either 1) was the owner of the site at the time of the disposal of hazardous waste or discharge of petroleum or 2) is otherwise a person responsible for the contamination, unless the liability arises solely as a result of ownership, operation of, or involvement with the site subsequent to the disposal of hazardous waste or discharge of petroleum.

☑ VOLUNTEER

A requestor other than a participant, including a requestor whose liability arises solely as a result of ownership, operation of or involvement with the site subsequent to the disposal of hazardous waste or discharge of petroleum.

NOTE: By checking this box, the requestor certifies that he/she has exercised appropriate care with respect to the hazardous waste found at the facility by taking reasonable steps to: i) stop any continuing discharge; ii) prevent any threatened future release; and iii) prevent or limit human,environmental, or natural resource exposure to any previously released hazardous waste.

Requestor Relationship to Property (check one):

Previous Owner Current Owner ☑ Potential /Future Purchaser Other_____

If requestor is not the site owner, requestor will have access to the property throughout the BCP project. ☑ Yes ☐ No

(Note: proof of site access must be submitted for non-owners)

Section II. Property Information Summary Sheet

PROPERTY NAME: 343 Elk Street Site

ADDRESS/LOCATION 343 Elk Street CITY/TOWN Buffalo ZIP CODE 14210

MUNICIPALITY(IF MORE THAN ONE, LIST ALL): City of Buffalo

COUNTY Erie SITE SIZE (ACRES) 1.95

LATITUDE (degrees/minutes/seconds) N42 ° 52 ‘ 1.7 LONGITUDE (degrees/minutes/seconds) W78 ° 50 ‘ 23.5 “

HORIZONTAL COLLECTION METHOD: ☐ SURVEY ☐ GPS ☑ MAP HORIZONTAL REFERENCE DATUM: NAD27

FOR EACH PARCEL, FILL OUT THE FOLLOWING TAX MAP INFORMATION (if more than three parcels, attach additional information)

Parcel Address	Parcel No.	Section No.	Block No.	Lot No.	Acreage
1.95-acre portion of 3.66-acre greater parcel- 343 Elk Street	122.12	1	9.12		1.95

1. Do the property boundaries correspond to tax map metes and bounds? ☐ Yes ☑ No
   If no, please attach a metes and bounds description of the property.
2. Is the required property map attached to the application? (application will not be processed without map) ☑ Yes ☐ No
3. Is the property part of a designated En-zone pursuant to Tax Law § 21(b)(6)? ☑ Yes ☐ No

For more information go to: http://www.nylovesbiz.com/BrownField_Redevelopment/default.asp.

If yes, identify area (name) Census Tract #000400

☐ 50% ☑ 100% of the site is in the En-zone (check one)

PROPERTY DESCRIPTION NARRATIVE:

See Attachment 1

List of Existing Easements (type here or attach information)

Easement Holder	Description
None Known	

List of Permits issued by the NYSDEC or USEPA Relating to the Proposed Site (type here or attach information)

Type	Issuing Agency	Description
Chemical Bulk Storage (CBS)	NYSDEC	
CBS- Above Ground Storage Tank	NYSDEC	

Initials of each Requestor: TP _____ _____ _____ _____ _____ _____

Section III. Current Site Owner/Operator Information

OWNER'S NAME (if different from requestor) Elk-Lee, LLC		
ADDRESS 1669 Hertel Avenue		
CITY/TOWN Buffalo, NY	ZIP CODE 14216	
PHONE (716) 853-2888	FAX (716) 853-2892	E-MAIL NA
OPERATOR'S NAME (if different from requestor or owner) Same as Requestor		
ADDRESS		
CITY/TOWN	ZIP CODE	
PHONE	FAX	E-MAIL

Section IV. Requestor Eligibility Information (Please refer to ECL § 27-1407)

If answering "yes" to any of the following questions, please provide an explanation as an attachment.

1. Are any enforcement actions pending against the requestor regarding this site? ☐ Yes ☑ No
2. Is the requestor subject to an existing order relating to contamination at the site? ☐ Yes ☑ No
3. Is the requestor subject to an outstanding claim by the Spill Fund for this site? ☐ Yes ☑ No
4. Has the requestor been determined to have violated any provision of ECL Article 27? ☐ Yes ☑ No
5. Has the requestor previously been denied entry to the BCP? ☐ Yes ☑ No
6. Has the requestor been found in a civil proceeding to have committed a negligent or intentionally tortious act involving contaminants? ☐ Yes ☑ No
7. Has the requestor been convicted of a criminal offense that involves a violent felony, fraud, bribery, perjury, theft, or offense against public administration? ☐ Yes ☑ No
8. Has the requestor knowingly falsified or concealed material facts or knowingly submitted or made use of a false statement in a matter before the Department? ☐ Yes ☑ No
9. Is the requestor an individual or entity of the type set forth in ECL 27-1407.8(f) that committed an act or failed to act, and such act or failure to act could be the basis for denial of a BCP application? ☐ Yes ☑ No

Section V. Property Eligibility Information (Please refer to ECL § 27-1405)

1. Is the property listed on the National Priorities List? ☐ Yes ☑ No
2. Is the property listed on the NYS Registry of Inactive Hazardous Waste Disposal Sites? ☐ Yes ☑ No
   If yes, please provide: Site #_____ Class # _____
3. Is the property subject to a permit under ECL Article 27, Title 9, other than an Interim Status facility? ☐ Yes ☑ No
   If yes, please provide: Permit type:_____ EPA ID Number:_____
   Date permit issued:_____ Permit expiration date:_____
4. Is the property subject to a cleanup order under navigation law Article 12 or ECL Article 17 Title 10? ☐ Yes ☑ No
   If yes, please provide: Order #_____
5. Is the property subject to a state or federal enforcement action related to hazardous waste or petroleum? ☐ Yes ☑ No
   If yes, please provide explanation as an attachment.

Section VI. Project Description

Please attach a description of the project which includes the following components:

- Purpose and scope of the project
- Estimated project schedule

Section VII. Property's Environmental History

To the extent that existing information/studies/reports are available to the requestor, please attach the following:

1. **Environmental Reports**
   A phase I environmental site assessment report prepared in accordance with ASTM E 1527 (American Society for Testing and Materials: Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process), and all environmental reports related to contaminants on or emanating from the site.

   If a final investigation report is included, indicate whether it meets the requirements of ECL Article 27-1415(2): ☐ Yes ☐ No

2. **Sampling Data: Indicate known contaminants and the media which are known to have been affected:**

Contaminant Category	Soil	Groundwater	Surface Water	Sediment	Soil Gas
Petroleum					
Chlorinated Solvents					X
Other VOCs					
SVOCs	X				
Metals	X				
Pesticides					
PCBs					
Other*	X				

*Please describe: Chlorinated Solvents in Indoor Air

3. **Suspected Contaminants: Indicate suspected contaminants and the media which may have been affected:**

Contaminant Category	Soil	Groundwater	Surface Water	Sediment	Soil Gas
Petroleum					
Chlorinated Solvents	X				
Other VOCs					
SVOCs	x	x			
Metals	x	x			
Pesticides					
PCBs					
Other*					

*Please describe: _____

4. INDICATE KNOWN OR SUSPECTED SOURCES OF CONTAMINANTS:

☐ Above Ground Pipeline or Tank ☐ Lagoons or Ponds ☐ Underground Pipeline or Tank ☑ Surface Spill or Discharge
☑ Routine Industrial Operations ☐ Dumping or Burial of Wastes ☐ Septic tank/lateral field ☑ Drums or Storage Containers
☐ Adjacent Property ☐ Seepage Pit or Dry Well ☐ Foundry Sand ☐ Electroplating
☐ Coal Gas Manufacture ☐ Industrial Accident ☐ Unknown

Other:_____

5. INDICATE PAST LAND USES:

☐ Coal Gas Manufacturing ☑ Manufacturing ☐ Agricultural Co-op ☐ Dry Cleaner ☐ Salvage Yard ☐ Bulk Plant
☐ Pipeline ☐ Service Station ☐ Landfill ☐ Tannery ☐ Electroplating ☐ Unknown

Other: Chemical Storage Warehouse and Laboratory for the former Buffalo Color Facility; Lumber Yard

6. **Owners**
   A list of previous owners with names, last known addresses and telephone numbers (describe requestor's relationship, if any, to each previous owner listed. If no relationship, put "none").
7. **Operators**
   A list of previous operators with names, last known addresses and telephone number (describe requestor's relationship, if any, to each previous operator listed. If no relationship, put "none").

Section VIII. Contact List Information

Please attach, at a minimum, the names and addresses of the following:

1. The chief executive officer and zoning board chairperson of each county, city, town and village in which the property is located.
2. Residents, owners, and occupants of the property and properties adjacent to the property.
3. Local news media from which the community typically obtains information.
4. The public water supplier which services the area in which the property is located.
5. Any person who has requested to be placed on the contact list.
6. The administrator of any school or day care facility located on or near the property.
7. The location of a document repository for the project (e.g., local library). In addition, attach a copy of a letter sent to the repository acknowledging that it agrees to act as the document repository for the property.

Section IX. Land Use Factors (Please refer to ECL § 27-1415(3))

Current Use: ☐ Residential ☑ Commercial ☑ Industrial ☐ Vacant ☐ Recreational (check all that apply)

Intended Use: ☐ Unrestricted ☐ Residential ☑ Commercial ☑ Industrial

Please check the appropriate box and provide an explanation as an attachment if appropriate. Provide a copy of the local zoning classifications, comprehensive zoning plan designations, and/or current land use approvals.

	Yes	No
1. Do current historical and/or recent development patterns support the proposed use? (See #12 below re: discussion of area land uses)	☑	☐
2. Is the proposed use consistent with applicable zoning laws/maps?	☑	☐
3. Is the proposed use consistent with applicable comprehensive community master plans, local waterfront revitalization plans, designated Brownfield Opportunity Area plans, other adopted land use plans?	☑	☐
4. Are there any Environmental Justice Concerns? (See §27-1415(3)(p)).	☐	☑
5. Are there any federal or state land use designations relating to this site?	☐	☑
6. Do the population growth patterns and projections support the proposed use?	☑	☐
7. Is the property accessible to existing infrastructure?	☑	☐
8. Are there important cultural resources, including federal or state historic or heritage sites or Native American religious sites within ½ mile?	☐	☑
9. Are there important federal, state or local natural resources, including waterways, wildlife refuges, wetlands, or critical habitats of endangered or threatened species within ½ mile?	☑	☐
10. Are there floodplains within ½ mile?	☑	☐
11. Are there any institutional controls currently applicable to the property?		☑

12. Describe on attachment the proximity to real property currently used for residential use, and to urban, commercial, industrial, agricultural, and recreational areas.

13. Describe on attachment the potential vulnerability of groundwater to contamination that might migrate from the property, including proximity to wellhead protection and groundwater recharge areas.

14. Describe on attachment the geography and geology of the site.

Statement of Certification and Signatures

(By requestor who is an individual)

I hereby affirm that information provided on this form and its attachments is true and complete to the best of my knowledge and belief. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to section 210.45 of the Penal Law.

Date: _____ Signature: _____ Print Name: _____

(By an requestor other than an individual)

I hereby affirm that I am President (title) of Shield of Armor LLC. (entity); that I am authorized by that entity to make this application; that this application was prepared by me or under my supervision and direction; and that information provided on this form and its attachments is true and complete to the best of my knowledge and belief. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Date: 12/20/07 Signature: Pam Pawlak Print Name: Thomas Pawlak

SUBMITTAL INFORMATION:

Three (3) complete copies are required.

- **Two (2)** copies, one hard copy with original signatures and one electronic copy in Portable Document Format (PDF) on a CD or diskette, must be sent to:

  Chief, Site Control Section
  New York State Department of Environmental Conservation
  Division of Environmental Remediation
  625 Broadway
  Albany, NY 12233-7020

- **One (1)** hard copy must be sent to the DEC regional contact in the regional office covering the county in which the site is located. Please check our website for the address of our regional offices: http://www.dec.state.ny.us/website/der/index.html

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FOR DEPARTMENT USE ONLY

BCP SITE T&A CODE: _____ **LEAD OFFICE:** _____

Statement of Certification and Signatures

(By requestor who is an individual)

I hereby affirm that information provided on this form and its attachments is true and complete to the best of my knowledge and belief. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to section 210.45 of the Penal Law.

Date: _____ Signature: _____ Print Name: _____

(By an requestor other than an individual)

I hereby affirm that I am _____(title) of _____(entity); that I am authorized by that entity to make this application; that this application was prepared by me or under my supervision and direction; and that information provided on this form and its attachments is true and complete to the best of my knowledge and belief. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Date: 12/10/07 Signature: [signature] Print Name: Thomas Paradise

SUBMITTAL INFORMATION:

Three (3) complete copies are required.

- **Two (2)** copies, one hard copy with original signatures and one electronic copy in Portable Document Format (PDF) on a CD or diskette, must be sent to:

  Chief, Site Control Section
  New York State Department of Environmental Conservation
  Division of Environmental Remediation
  625 Broadway
  Albany, NY 12233-7020

- **One (1)** hard copy must be sent to the DEC regional contact in the regional office covering the county in which the site is located. Please check our website for the address of our regional offices: http://www.dec.state.ny.us/website/der/index.html

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FOR DEPARTMENT USE ONLY

BCP SITE T&A CODE: _____ **LEAD OFFICE:** _____

LIST OF APPLICATION ATTACHMENTS

NYSDEC Brownfield Cleanup Program Application
Shield of Armor, LLC – 343 Elk Street Site
Buffalo, New York

Attachment No.	Description
1	Site Location Map and Site Plan
2	Tax Map
3	Project Description and Schedule
4	Proposed Redevelopment Plan
5	Phase I Environmental Site Assessment
6	Previous Environmental Investigations
7	Listing of Previous Site Owners
8	Listing of Previous Site Operators
9	Contact List Information
10	Document Repository Confirmation Letter
11	Environmental Factors and Historic Land Use Considerations
12	Nearby Land Use Map
13	Groundwater Vulnerability Assessment
14	Description of Site Geography/Geology

ATTACHMENT 01

SITE DESCRIPTION, LOCATION MAP & SITE PLAN

Attachment 01

Site Description

Shield of Armor, LLC
343 Elk Street Site
Brownfield Cleanup Program Application

SITE DESCRIPTION

The subject property (hereinafter, the "Project Site" or the "Site") subject to the BCP application is an approximate 1.95-acre parcel, addressed as 343 Elk Street, City of Buffalo, New York (see Figures 1-1 and 1-2). The Site is an approximate 1.95-acre portion of the greater 3.66-acre section, block and lot (SBL) No. 122.12-1-9.12. The parcel included in this application is described as:

343 Elk Street Buffalo, New York (1.95-acre portion of SBL No. 122.12-1-9.12)

Parcel addresses listed above per Erie County GIS Maps website (http://erie-gis.co.erie.ny.us).

The Site is currently improved with one approximate 25,000 square foot building utilized as a warehouse. The building is a metal-clad building, constructed of steel and concrete block with a poured concrete slab-on-grade foundation. The exterior of the property contains an asphalt parking lot to the south, otherwise with grass or other vegetation surrounding the building. A loading dock is located on the western end of the building. The Site is bound by Elk Street to the north, Lee Street to the west, the eastern portion of SBL No. 122.12-1-9.12 to the East, and commercial/industrial properties to the south. A land use map for the Site and surrounding area is included in Attachment 12.

The current building was formerly utilized as a chemical warehouse and laboratory from the 1970s through the 1990s. From at least 1900 through at least 1920, the Site was part of a lumber yard.

The Site is a portion of the former Buffalo Color Corp. manufacturing complex, a 42-acre former industrial facility that manufactured various dyes and organic chemicals since approximately 1879. The Buffalo Color Corp. property has been the subject of a Resource Conservation and Recoveries Act (RCRA) Facility Investigation (RFI), a Corrective Measures Study (CMS) and a Remedial Investigation/Feasibility Study (RI/FS) with documented releases of hazardous waste constituents. These previous investigations of the Buffalo Color Corp. manufacturing complex indicate the presence of volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals, and cyanide above the NYSDEC Part 375 industrial and/or commercial soil cleanup objectives (SCOs) and NYSDEC groundwater quality standards. The subject Site is included within "Area E" of the former Buffalo Color Corp. property, which historically included the main tank farm for the storage of aniline, formaldehyde, methanol, ethanol, butadiene, nitrobenzene,

diethanolamine and monoethanolamine. In addition to the tank farm, Area E was also the location of the former drum storage area, the wastewater treatment facility and lagoons, and the alkyl anilines, anhydrides, bromine, benzidine and arsenic production areas (Mactec, 2007) (see Attachment 6).

Properties surrounding the subject Site are predominantly heavy industrial use properties, including the former Buffalo Color facility to the south, east, and west, and the Honeywell International property to the north. An apparent electric substation is located on the corner of Elk Street and Lee Street, northwest adjacent to the subject property. Single family residential land usage does occur approximately five hundred feet away to the west and the northeast of the site.

In October of 2007, Benchmark performed a Limited Site Investigation of the Site, which included multiple soil-borings and a sub-slab vapor/indoor air investigation. Sample results indicate the presence of arsenic (up to 132 parts per million, ppm) and polyaromatic hydrocarbons (PAHs) (up to 39 ppm) in the historic soil/fill materials in excess of NYSDEC industrial SCOs at several boring locations. Purple dye was also encountered at one soil boring location. Sub-slab vapor and indoor samples collected from two areas of the building identified trichloroethene (TCE) at concentrations up to 340 micrograms per cubic meter (ug/m^3) in the sub-slab vapor and up to 8,200 ug/m^3 in the indoor air. These concentrations of TCE require mitigation based on the New York State Department of Health (NYSDOH) "Guidance for Evaluating Soil Vapor Intrusion in the State of New York, October 2006".

Currently, Armor Crane and Electric is renting the warehouse building and has an option to purchase the same; the purchase option has been assigned to Shield of Armor, LLC (i.e. the requestor). Shield of Armor intends to acquire and improve the property if the benefits and protections of the Brownfield Cleanup Program can be obtained.

The Site is located in a highly distressed and underutilized industrial urban area within the City of Buffalo. The Site is located within a designated Environmental Zone (En-Zone) due to a poverty rate that is double the Erie County poverty rate. The site is located just north of the City of Buffalo's South Buffalo Brownfield Opportunity Area (BOA), which is believed to be the largest BOA in the State, and has been included in the City's pending Buffalo River BOA. The area was industrialized prior to automobile dependence and the adoption of a comprehensive zoning plan. Consequently this property is located in close proximity to residential parcels.

FIGURE 1-1

BENCHMARK
ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

726 EXCHANGE STREET
SUITE 624
BUFFALO, NEW YORK 14210
(716) 856-0599

PROJECT NO.: 0144-001-101

DATE: NOVEMBER 2007

DRAFTED BY: NTM

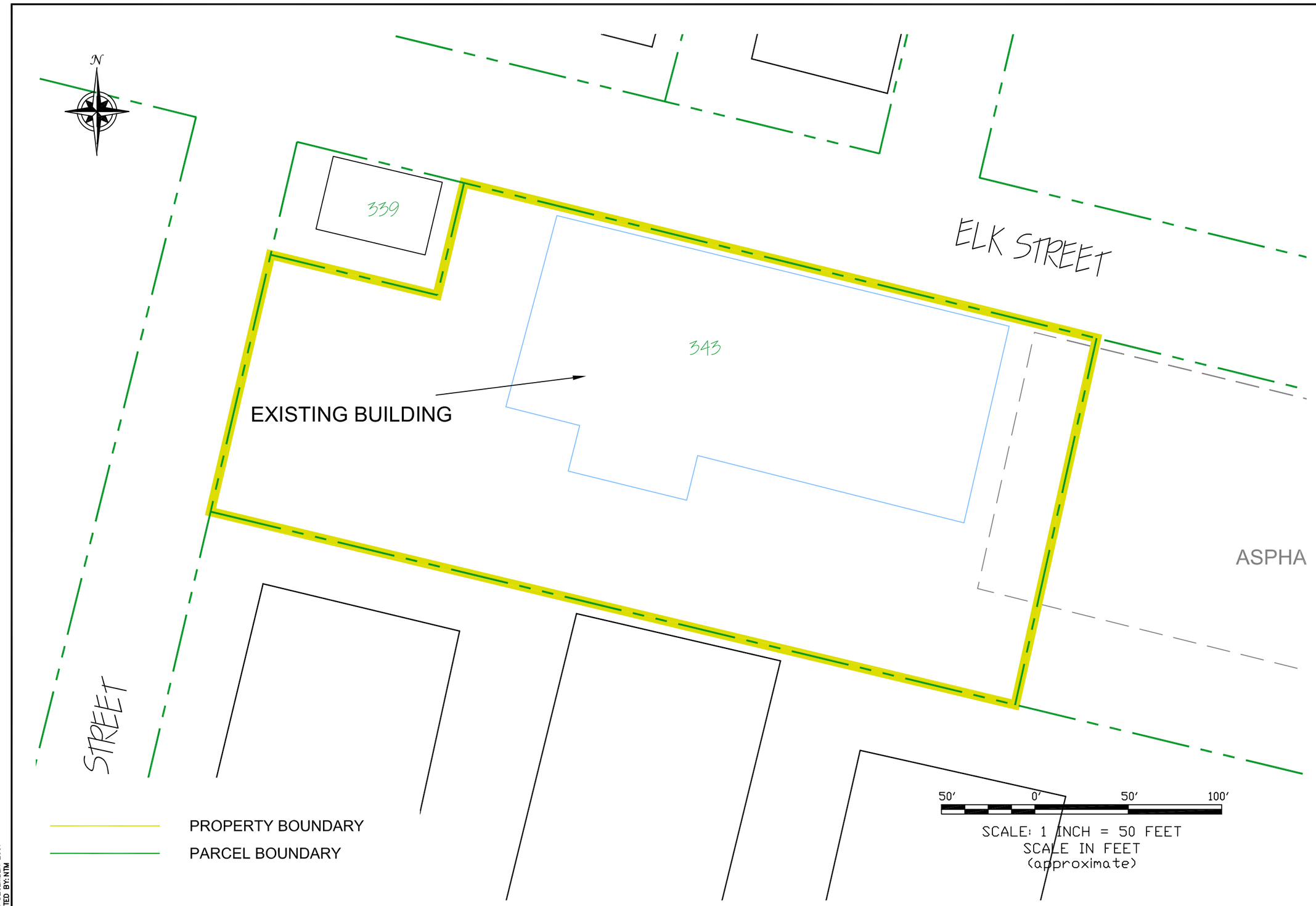
SITE LOCATION AND VICINITY MAP

BROWNFIELD CLEANUP PROGRAM

343 ELK STREET SITE
BUFFALO, NEW YORK

PREPARED FOR
SHIELD OF ARMOR, LLC

FILEPATH=\cad\benchmark\shield of armor\343 elk street bcp\figure 1-1site location and vicinity map.dwg



DATE: DECEMBER 2007
DRAFTED BY: NTM

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC
726 EXCHANGE STREET
SUITE 624
BUFFALO, NEW YORK 14210
(716) 856-0599

JOB NO.: 0144-001-100

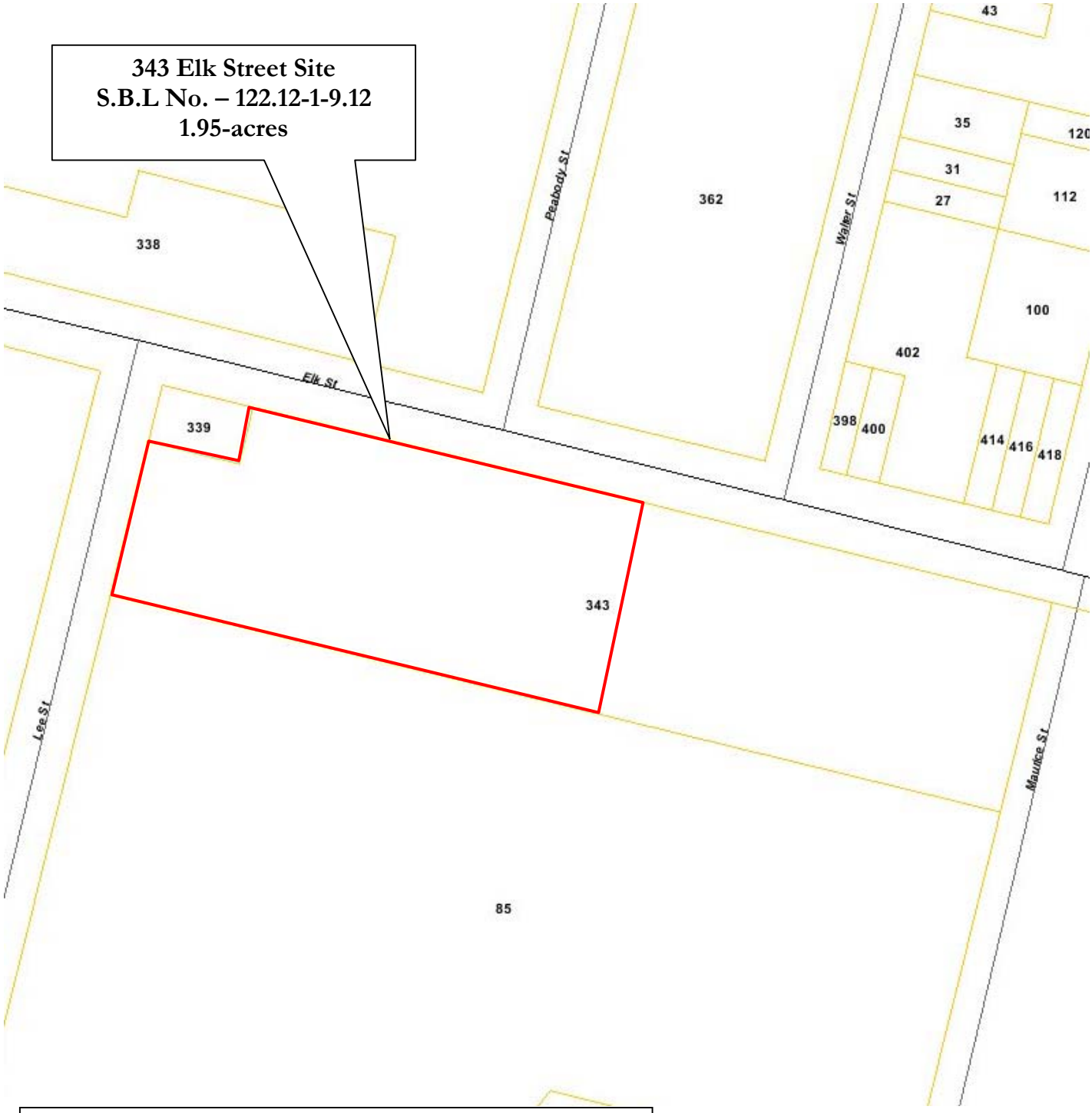
SITE PLAN
BROWNFIELD CLEANUP PROGRAM APPLICATION
343 ELK STREET SITE
BUFFALO, NEW YORK
PREPARED FOR
SHIELD OF ARMOR, LLC

FIGURE 1-2

ATTACHMENT 02

TAX MAP

FIGURE 2-1



Approximate Property Boundary per Erie County GIS

BENCHMARK
ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

726 EXCHANGE STREET
SUITE 624
BUFFALO, NEW YORK 14210
(716) 856-0599

PROJECT NO.: 0144-001-101

DATE: NOVEMBER 2007

DRAFTED BY: NTM

TAX MAP

BROWNFIELD CLEANUP PROGRAM

343 ELK STREET SITE
BUFFALO, NEW YORK

PREPARED FOR
SHIELD OF ARMOR, LLC

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ATTACHMENT 03

PROJECT DESCRIPTION & SCHEDULE

Attachment 03

Project Description

Shield of Armor, LLC
343 Elk Street Site
Brownfield Cleanup Program Application

PROJECT DESCRIPTION

The Site is in a mixed use (industrial/residential), economically depressed, and highly urbanized area in the City of Buffalo. The site is also located within a New York State designated Environmental Zone (En-Zone) due to the high poverty rate. The site is located just north of the City of Buffalo's South Buffalo Brownfield Opportunity Area., and has been included in the pending City of Buffalo, Buffalo River Brownfield Opportunity Area. The City has recognized the imminent need to address the brownfields in this targeted area. The Project Site is in an area of the City of Buffalo that is severely underutilized. The former Buffalo Color Corp. site that surrounds the subject Site on the east, west and south is currently abandoned and contains seriously neglected and dilapidated buildings, which depress real estate values and prevent public access. Contamination concerns have precluded reuse. These conditions contribute to neighborhood disinvestment and decline.

Shield of Armor, LLC has been assigned the option to purchase the property and plans to acquire the Site and complete extensive renovations of the existing office/warehouse building, with potential future expansion and redevelopment plans (to be determined). The project will result in the productive re-use of an underutilized site. Shield of Armor, LLC will employ approximately 20 workers at the Site.

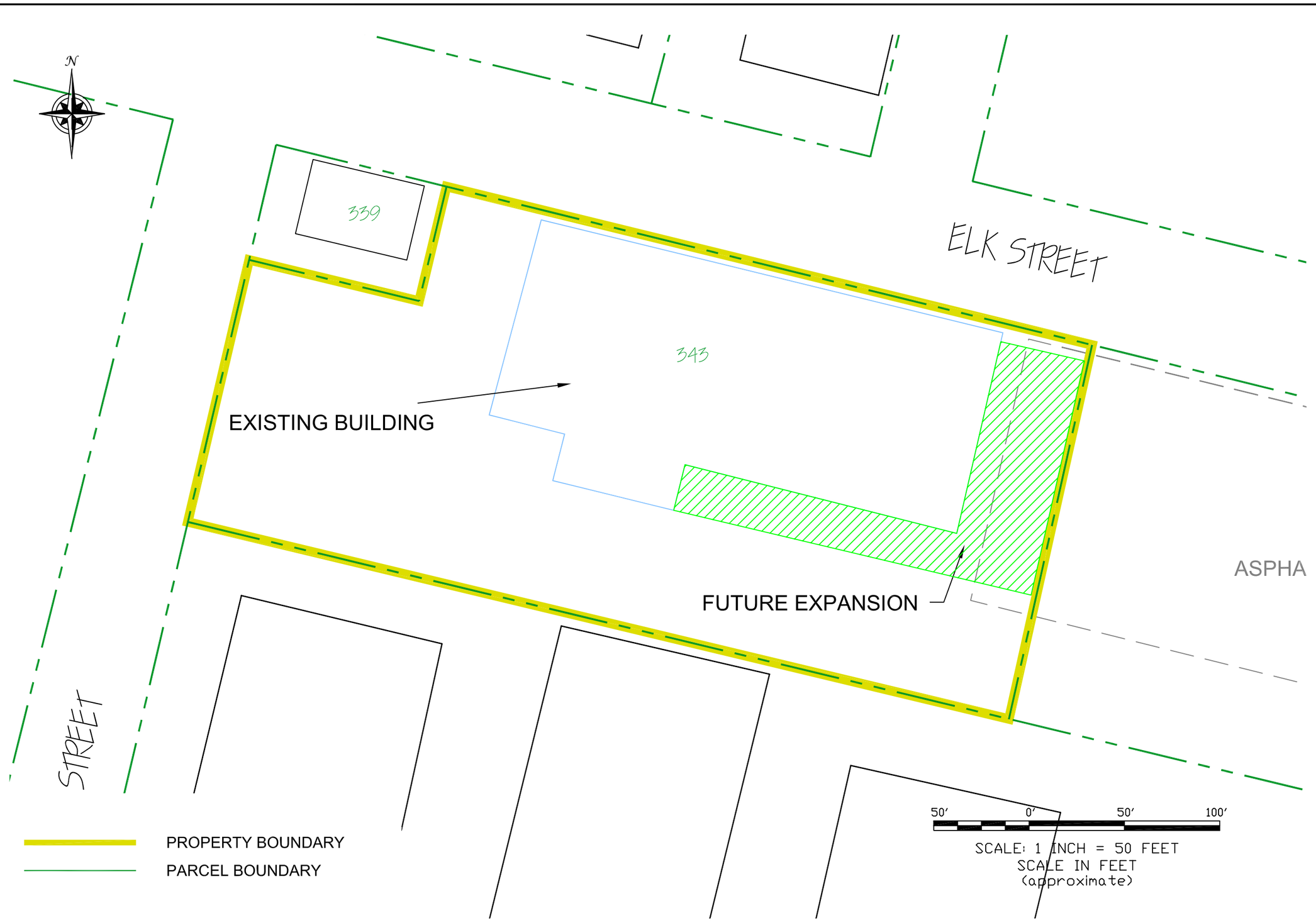
PROJECT SCHEDULE

The environmental engineering and consulting tasks associated with the BCP are estimated as follows:

December 2007- Submit BCP application
December 2007- Public Comment Period
January 2008- Execute Brownfield Cleanup Agreement (BCA)
January 2008- Submit Remedial Investigation/Alternatives Analysis Work Plan
February 2008- Complete Remedial Investigation
April 2008- Submit Remedial Investigation/Alternatives Analysis Report
April 2008- Submit Remedial Work Plan
June 2008- Complete Remedial Work
August 2008- Prepare Final Engineering Report

ATTACHMENT 04

PROPOSED (DRAFT) REDEVELOPMENT PLAN



DATE: DECEMBER 2007
DRAFTED BY: NTM

BENCHMARK
ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC
726 EXCHANGE STREET
SUITE 624
BUFFALO, NEW YORK 14210
(716) 856-0599

JOB NO.: 0144-001-100

PROPOSED REDEVELOPMENT PLAN
BROWNFIELD CLEANUP PROGRAM APPLICATION
343 ELK STREET SITE
BUFFALO, NEW YORK
PREPARED FOR
SHIELD OF ARMOR, LLC

FIGURE 4-1

ATTACHMENT 05

PHASE I ENVIRONMENTAL SITE ASSESSMENT

Attachment 5

Phase I Environmental Site Assessment Summary

Shield of Armor, LLC
343 Elk Street Site
Brownfield Cleanup Program Application

A summary of the Phase I ESA that was completed for the Site is presented below. The complete Phase I ESA report is provided on the attached CD.

October 2007 Phase I Environmental Site Assessment

In October 2007, Benchmark conducted a Phase I Environmental Site Assessment (ESA) of the subject property. Benchmark identified several areas of concern as described below:

- The surrounding area has been used for industrial chemical storage and manufacturing since approximately 1917.
- The Site has been a portion of an industrial chemical facility (i.e., former Buffalo Color and Allied Chemical) since approximately 1940. The former Buffalo Color facility is currently being investigated by the New York State Department of Environmental Conservation (NYSDEC) as a potential Inactive Hazardous Waste Site and was formerly the subject of a RCRA Facility Investigation and Corrective Measures Study. Releases of hazardous and regulated substances have been documented at the former Buffalo Color facility.
- The Site was historically used as a lumberyard in the early 1900s. The subject building was used as a chemical storage warehouse and laboratory from the early 1970s until the 1990s. Chemicals that were historically used and/or stored on-site included petroleum and chlorinated volatile organic compounds (VOCs); semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs); alcohols; acids; and metals.
- An abandoned deep well located near the southern Site boundary on the western portion of the Site was utilized by Buffalo Color Corporation for the disposal of ammonium sulfate from about 1957 to 1963.
- Soil analytical data collected from soil boring RFI-33, located just off-Site to the east, during the 1997 RFI showed concentrations of benzo(a)pyrene and arsenic above NYSDEC Part 375 restricted-industrial soil cleanup objectives (SCOs). Soil data from a nearby surface sample location (i.e., BCSS-4) showed elevated

concentrations of aniline, PAHs, and several heavy metals. Arsenic and mercury were present at concentrations above NYSDEC Part 375 restricted-industrial SCOs at that location.

- Groundwater analytical data collected from monitoring well RFI-33, just off-Site to the east, showed exceedances of Class GA groundwater quality standards (NYSDEC TOGS 1.1.1) for chloride, sulfate, chromium, copper, iron, lead, manganese and nickel.

ATTACHMENT 06

PREVIOUS INVESTIGATIONS

Attachment 6

Previous Environmental Investigations

Shield of Armor, LLC
343 Elk Street Site
Brownfield Cleanup Program Application

Summaries of the previous investigations that have been completed at the Site and at the former Buffalo Color Corporation (BCC) site, which the subject property was historically a portion of, are presented below. Results that are associated with the area of the subject Site are highlighted. The previous studies are provided on the attached CD.

Benchmark 2007 Site Investigation

Benchmark performed a Site Investigation for the 1.95-acre eastern portion of 343 Elk Street, Buffalo, New York. The Site Investigation, performed for Shield of Armor, LLC, included subsurface soil and sub-slab vapor/indoor air sampling to investigate potential on-Site environmental impacts associated with historic use of the property. Based on the results of that study and review of previous investigations, Benchmark made the following conclusions and recommendations:

- Miscellaneous historic fill materials comprised of silt, sand, gravel, brick, wood, and ash ranging to depths up to 8 fbgs were noted on-Site. Purple staining was encountered in soil boring SB-705.
- On-site soil/fill has been impacted by polyaromatic hydrocarbons (PAHs) and arsenic, which are present above NYSDEC commercial and industrial SCOs. The impact appears to be associated with the historic fill materials. Previous samples of the native soil beneath the historic soil/fill collected by MACTEC as part of the 2007 RI did not identify concentrations of contaminants above NYSDEC industrial SCOs.
- Soil vapor beneath the structure's concrete slab has been impacted by trichloroethene (TCE) at concentrations that require mitigation based on New York State Department of Health (NYSDOH) vapor intrusion guidance documents (i.e., up to 340 ug/m^3).
- Indoor air has been impacted by TCE at concentrations that require mitigation based on NYSDOH guidance documents (i.e., up to 8,200 ug/m^3).

- PAHs, metals, chloride, and sulfate are present above Class GA groundwater quality standards at a monitoring well (RFI-33) located just off-Site to the east.

September 2007 Remedial Investigation (RI)

Benchmark reviewed the draft "Remedial Investigation Report – Buffalo Color Corp. Site" prepared by MACTEC Engineering and Consulting, Inc. for Honeywell International, Inc. The subject property was wholly contained within the designated "Area E" of the Buffalo Color Facility. Area E was the former location of a tank farm, wastewater treatment plant, lagoons, drum storage area, and several production buildings. Constituents that were known to be stored and/or used in Area E included: formaldehyde, aniline, methanol, ethanol, butadiene, nitrobenzene, diethanolamine, monoethanolamine, food colors, alkyl anilines, anhydrides, bromine, benzidine, and arsenic. Based on the data presented in the 2007 RI report, the following environmental concerns were identified for the Site:

- Benzo(a)pyrene and arsenic were present in the soil/fill above their respective NYSDEC Part 375 restricted-industrial SCOs at one location (TB-E25) on the eastern portion of the 343 Elk Street parcel.
- Groundwater results showed the presence of benzo(a)anthracene, benzo(b)fluoranthene, chrysene, chloride, iron, magnesium, manganese, nickel and sodium above their respective NYSDEC Class GA groundwater quality standards at monitoring well RFI-33, located just off-Site to the east.

2000 Corrective Measures Study (CMS)

Benchmark reviewed the "Report on Corrective Measures Study – Buffalo Color Corporation" prepared by Golder Associates, Inc., dated January 2000. Area E, as described above, was found to contain hazardous constituents within the soil/fill,

subsoil/fill, and groundwater within the shallow and confined aquifers, including VOCs, SVOCs, metals, and inorganics (Golder, 2000). The CMS was completed to select corrective measures to mitigate the environmental impacts identified in the RFI. However, other than interim corrective measures completed in 2006, it does not appear that additional correctives measures have been implemented.

November 1997 RCRA Facility Investigation and December 1998 Addendum

Benchmark reviewed the "Final Report on RCRA Facility Investigation (RFI) – Buffalo Color Corporation (BCC)" and the "Addendum to Final Report on RCRA Facility Investigation" prepared by Golder Associates, Inc. The RFI divided the larger 42-acre BCC property into Areas A, B, C, and E. The subject property was wholly contained within the designated "Area E" of Buffalo Color Corporation facility as designated in the RFI. Based on the data presented in the 1997 RFI report, the following environmental concerns were identified for the Site:

- An abandoned deep well located near the southern Site boundary on the western portion of the Site was utilized by Buffalo Color Corporation for the disposal of ammonium sulfate from about 1957 to 1963.
- Soil analytical data collected from soil boring RFI-33, located just off-Site to the east, showed concentrations of benzo(a)pyrene and arsenic above NYSDEC Part 375 restricted-industrial SCOs. Soil data from a nearby surface sample location (i.e., BCSS-4) showed elevated concentrations of aniline, PAHs, and several heavy metals. Arsenic and mercury were present at concentrations above NYSDEC Part 375 restricted-industrial SCOs at that location.
- Groundwater analytical data collected from monitoring well RFI-33 showed exceedances of Class GA groundwater quality standards (NYSDEC TOGS 1.1.1) for chloride, sulfate, chromium, copper, iron, lead, manganese and nickel.

ATTACHMENT 06a

PREVIOUS INVESTIGATIONS

Site Investigation Report
Benchmark (November 2007)

Site Investigation Report

343 Elk Street Site
Buffalo, New York

November 2007 0144-001-100

Prepared For:

Shield of Armor, LLC

Prepared By:

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

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SITE INVESTIGATION REPORT

343 Elk Street Site

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1.0 INTRODUCTION

1.1 Background and Site Description

Benchmark Environmental Engineering and Science, PLLC (Benchmark) performed a Site Investigation for an approximate 3.66-acre site located at 343 Elk Street, Buffalo, New York (see Figure 1). The property, herein referred to as the 343 Elk Street Site or the Site, includes an approximate 25,000-square foot structure currently used as a commercial/ industrial warehouse and office (see Figure 2). The Site is a portion of the former Buffalo Color Corporation facility and was previously utilized as a chemical warehouse and laboratory for that facility. This Site Investigation, performed for Shield of Armor, LLC, included subsurface soil and sub-slab vapor/indoor air sampling to investigate potential on-site environmental impacts associated with historic use of the property. Shield of Armor, LLC plans to purchase the Site and complete extensive renovations of the existing office/warehouse building, with potential future expansion and redevelopment plans.

1.1.1 Previous Studies

October 2007 Phase I Environmental Site Assessment

In October 2007, Benchmark conducted a Phase I Environmental Site Assessment (ESA) of the subject property. Benchmark identified several areas of concern as described below:

- The surrounding area has been used for industrial chemical storage and manufacturing since approximately 1917.
- The Site has been a portion of an industrial chemical facility (i.e., former Buffalo Color and Allied Chemical) since approximately 1940. The former Buffalo Color facility is currently being investigated by the New York State Department of Environmental Conservation (NYSDEC) as a potential Inactive Hazardous Waste Site and was formerly the subject of a RCRA Facility Investigation and Corrective Measures Study. Releases of hazardous and regulated substances have been documented at the former Buffalo Color facility.
- The Site was historically used as a planing mill and lumberyard in the early 1900s. The subject building was used as a chemical storage warehouse and laboratory from the early 1970s until the 1990s. Chemicals that were historically used and/or stored on-site included petroleum and chlorinated volatile organic

compounds (VOCs); semi-volatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs); alcohols; acids; and metals.

- An abandoned deep well located near the southern Site boundary on the western portion of the Site was utilized by Buffalo Color Corporation for the disposal of ammonium sulfate from about 1957 to 1963.
- Soil analytical data collected from soil boring RFI-33, located on-site, during the 1997 RFI showed concentrations of benzo(a)pyrene and arsenic above NYSDEC Part 375 restricted-industrial soil cleanup objectives (SCOs). Soil data from a nearby surface sample location (i.e., BCSS-4) showed elevated concentrations of aniline, PAHs, and several heavy metals. Arsenic and mercury were present at concentrations above NYSDEC Part 375 restricted-industrial SCOs at that location.
- Groundwater analytical data collected from on-site monitoring well RFI-33 showed exceedances of Class GA groundwater quality standards (NYSDEC TOGS 1.1.1) for chloride, sulfate, chromium, copper, iron, lead, manganese and nickel.

September 2007 Remedial Investigation (RI)

Benchmark reviewed the draft "Remedial Investigation Report – Buffalo Color Corp. Site" prepared by MACTEC Engineering and Consulting, Inc. for Honeywell International, Inc. The subject property was wholly contained within the designated "Area E" of the Buffalo Color Facility. Area E was the former location of a tank farm, wastewater treatment plant, lagoons, drum storage area, and several production buildings. Constituents that were known to be stored and/or used in Area E included: formaldehyde, aniline, methanol, ethanol, butadiene, nitrobenzene, diethanolamine, monoethanolamine, food colors, alkyl anilines, anhydrides, bromine, benzidine, and arsenic.

Based on the data presented in the 2007 RI report, the following environmental concerns were identified for the Site:

- Benzo(a)pyrene and arsenic were present in the soil/fill above their respective NYSDEC Part 375 restricted-industrial SCOs at one location (TB-E25) on the eastern portion of the 343 Elk Street parcel.
- Groundwater results showed the presence of benzo(a)anthracene, benzo(b)fluoranthene, chrysene, chloride, iron, magnesium, manganese, nickel and sodium above their respective NYSDEC Class GA groundwater quality standards.

November 1997 RCRA Facility Investigation and December 1998 Addendum

Benchmark reviewed the "Final Report on RCRA Facility Investigation (RFI) – Buffalo Color Corporation (BCC)" and the "Addendum to Final Report on RCRA Facility Investigation" prepared by Golder Associates, Inc. The RFI divided the larger 42-acre BCC property into Areas A, B, C, and E. The subject property was wholly contained within the designated "Area E" of Buffalo Color Corporation facility as designated in the RFI. Based on the data presented in the 1997 RFI report, the following environmental concerns were identified for the Site:

- An abandoned deep well located near the southern Site boundary on the western portion of the Site was utilized by Buffalo Color Corporation for the disposal of ammonium sulfate from about 1957 to 1963.
- Soil analytical data collected from soil boring RFI-33, located on-site showed concentrations of benzo(a)pyrene and arsenic above NYSDEC Part 375 restricted-industrial SCOs. Soil data from a nearby surface sample location (i.e., BCSS-4) showed elevated concentrations of aniline, PAHs, and several heavy metals. Arsenic and mercury were present at concentrations above NYSDEC Part 375 restricted-industrial SCOs at that location.
- Groundwater analytical data collected from on-site monitoring well RFI-33 showed exceedances of Class GA groundwater quality standards (NYSDEC TOGS 1.1.1) for chloride, sulfate, chromium, copper, iron, lead, manganese and nickel.

2.0 METHODS OF INVESTIGATION

2.1 Soil/Fill Investigation

On October 25, 2007, Benchmark conducted a soil boring and sampling program that consisted of advancing nine direct-push (Geoprobe®) boreholes designated as SB-701 through SB-709 at the locations identified on Figure 2. Each bore hole was advanced to an approximate depth of 12 feet below ground surface (fbgs).

All direct-push boreholes were advanced using 1.5-inch diameter samplers that were 4 feet in length. Continuous 4-foot sample cores were retrieved from the boring locations in clear PVC sleeves to allow for field characterization of the subsurface lithology and collection of soil samples by Benchmark's environmental scientist. Benchmark personnel scanned each 4-foot core for total volatile organic vapors with a Mini Rae 2000 Photoionization Detector (PID) equipped with a 10.6 eV lamp and noted visual and/or olfactory observations. The PID is capable of detecting the presence of contaminants that emit VOCs such as petroleum products and solvents with ionization potentials less than 10.6 eV. PID scans of the soil cores did not detected VOCs exceeding background concentrations (i.e., 0.0 ppm) in any soil boring. Appendix A contains field observations, including lithology, depths, and PID scan results at each boring location.

Based on the field observations, soil samples were collected from the fill material or shallow subsurface soil and placed in pre-cleaned laboratory provided sample bottles. The soil samples were cooled to 4°C in the field, and transported under chain-of-custody to Columbia Analytical Services (Columbia) for analysis of target compound list (TCL) semi-volatile organic compounds (SVOCs) (EPA Method 8270) and RCRA Metals. Additionally, soil samples SB-702 and SB-706 were analyzed for PCBs (EPA Method 8081).

2.2 Sub-slab Vapor and Indoor Air Investigation

The sub-slab vapor and indoor air investigation consisted of collecting two sub-slab vapor and two indoor air samples from locations within the building footprint following New York State Department of Health (NYSDOH) guidance and policies for evaluating potential vapor intrusion from the subsurface into indoor air. One ambient air (i.e., background) sample was also collected as recommended by the NYSDOH guidance and policies.

On October 25, 2007, Benchmark collected two sub-slab vapor samples, designated as SS-1 and SS-2, from the locations identified on Figure 2. At each sub-slab sampling location, Benchmark personnel used a hand-held hammer drill to advance a ½-inch diameter hole through the approximate 4-inch thick concrete floor slab. Following advancement through the concrete, approximately six inches of sub-slab soil was removed from the hole. A ¼-inch hollow plastic tube with a 3-way valve (in the closed position) was immediately inserted into the concrete core hole and secured. Modeling clay was used to seal the tube against the floor and prevent short-circuiting of surface air. The seal was then tested with helium to assure that there were no leaks. A 1-liter evacuated Summa Canister fitted with an 8-hour regulator was then attached to the line. All Summa Canister valves remained closed until the borings were complete and all of the canisters were in their respective positions. The valves were then opened for the required 8-hour collection period. Following sample collection, Benchmark personnel closed and capped each canister valve. All concrete openings were repaired with a cement patch.

Indoor air samples were also collected on the same day in the vicinity of the sub-slab vapor samples. The Summa Canisters were located within the breathing zone approximately 5 feet above the concrete floor. The ambient air (i.e., background) sample was collected upwind of the building by placing a Summa Canister on a ladder approximately 5 feet above the ground.

The sub-slab vapor and air samples were shipped under chain-of-custody command to Centek Laboratories, LLC (Centek) located in Syracuse, New York for analysis of TCL VOCs in accordance with USEPA Method TO-15.

3.0 INVESTIGATION FINDINGS

Figure 2 shows the location of soil/fill, sub-slab vapor, and air samples. Tables 1 and 2 summarize the soil and sub-slab vapor/air sampling results. Each compound analyzed and detected above the laboratory reporting limit is listed on the table with its associated result to provide a complete data summary. For comparison purposes, Table 1 presents the NYSDEC Part 375 Soil Cleanup Objectives (SCOs) for unrestricted, restricted-commercial, and restricted-industrial use. Table 2 compares sample results to NYSDOH guidance for evaluating potential vapor intrusion from the subsurface into indoor air. Appendix A includes the soil boring logs and Appendix B includes a copy of the laboratory analytical data packages. Analytical results for soil/fill and sub-slab vapor/air samples are discussed in the following sections.

3.1 Soil/Fill Observations and Results

The soil/fill on-site is characterized by miscellaneous historic fill materials comprised of silt, sand, gravel, brick, wood and ash ranging to depths up to 8 fbgs overlying native soil generally comprised of sandy clay. Of note, purple staining was encountered in soil boring SB-705.

Soil samples from the unsaturated zone in each of the borings submitted for analysis detected SVOC analytes. Four SVOCs, specifically polynuclear aromatic hydrocarbons (PAHs), were detected above restricted-industrial SCOs in soil boring SB-701. Benzo(a)pyrene was also detected in soil borings SB-702 and SB-706 at concentrations that exceed the restricted-industrial SCO. Arsenic was detected at concentrations above the restricted-industrial SCO in soil borings SB-701, SB-705, and SB-709.

3.2 Sub-slab Vapor and Indoor Air Sampling Analytical Results

Two sub-slab vapor/indoor air samples sets, designated as SS-1/IA-1 and SS-2/IA-2, and one background sample, designated as BG, were collected and analyzed for TCL VOCs. The two sub-slab samples collected and submitted for analysis detected concentrations of trichloroethene (TCE) at concentrations of 340 ug/m^3 (SS-1) and 61 ug/m^3 (SS-2). TCE was also detected in the two indoor air samples at concentrations of 3,000 ug/m^3 (IA-1) and 8,200 ug/m^3 (IA-2). Based on NYSDOH guidance document titled *Guidance for Evaluating Soil Vapor Intrusion in New York State* (October 2006), these concentrations of TCE warrant mitigation.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of the October 25, 2007 Site Investigation and our review of previous investigations, Benchmark offers the following conclusions and recommendations:

- Miscellaneous historic fill materials comprised of silt, sand, gravel, brick, wood, and ash ranging to depths up to 8 fbgs were noted on-site. Purple staining was encountered in soil boring SB-705.
- On-site soil/fill has been impacted by PAHs and arsenic, which are present above NYSDEC commercial and industrial SCOs. The impact appears to be associated with the historic fill material. Previous samples of the native soil beneath the historic soil/fill collected by MACTEC as part of the 2007 RI did not identify concentrations of contaminants above NYSDEC industrial SCOs.
- Soil vapor beneath the structure's concrete slab has been impacted by TCE at concentrations that require mitigation based on NYSDOH guidance documents.
- Indoor air has been impacted by TCE at concentrations that require mitigation based on NYSDOH guidance documents.
- PAHs, metals, chloride, and sulfate are present above Class GA groundwater quality standards on-site.

Based on the data collected, it appears that an additional soil and groundwater investigation is required to further evaluate the extent of PAH and arsenic impacts on-site. Benchmark also recommends additional investigation to identify the source of the TCE in sub-slab vapor and indoor air. As previous investigations have not identified TCE in groundwater, it is a reasonable explanation that a release of TCE occurred within the building footprint and a near-surface soil source area may be present beneath the building. The past use of the subject building as a chemical storage warehouse lends additional credence to this explanation.

5.0 LIMITATIONS

This report has been prepared for the exclusive use of Shield of Armor, LLC and The Knoer Group, PLLC. 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 on only at the discretion of Shield of Armor, LLC and The Knoer Group, PLLC. Use of or reliance upon this report or its findings by any other person or entity is prohibited without written permission of Benchmark Environmental Engineering & Science, PLLC.

TABLES

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 1

ANALYTICAL DATA SUMMARY FOR SOIL INVESTIGATION

Site Investigation
343 Elk Street Site
Shield of Armor, LLC

Parameter [1]	Sampling Location						NYSDEC Part 375 SCOs [2]		
	SB-701 (0-3')	SB-702 (0-2.5')	SB-705 (0.5-4.5')	SB-706 (0-4')	SB-708 (0.5-4')	SB-709 (0.5-2.5')	Unrestricted	Restricted-Commerical	Restricted-Industrial
TCL SVOCs (mg/kg)									
Anthracene	19	1.4	ND	ND	ND	ND	**100****	**500****	**1,000****
Benzo(a)anthracene	**39**	3.5	ND	0.97	ND	ND	**1**	**5.6**	**11**
Benzo(a)pyrene	**34**	**3.1**	ND	**1.2**	ND	ND	**1**	**1**	**1.1**
Benzo(b)fluoranthene	**29**	**2.8**	ND	**1.2**	ND	ND	**1**	**5.6**	**11**
Benzo(g,h,i)perylene	20	2.0	ND	1.1	ND	ND	**100****	**500****	**1,000****
Benzo(k)fluoranthene	**28**	**2.3**	ND	**1.2**	ND	ND	**0.8**	**56**	**110**
Indeno(1,2,3-cd)pyrene	**19**	**1.8**	ND	**0.94**	ND	ND	**0.5**	**5.6**	**11**
Chrysene	**39**	**3.6**	ND	**1.3**	ND	ND	**1**	**56**	**110**
Fluoranthene	91	8.3	0.68	2.6	0.45	ND	**100****	**500****	**1,000****
Fluorene	11	ND	ND	ND	ND	ND	**30**	**500****	**1,000****
Phenanthrene	71	6.8	0.64	1.1	ND	ND	**100****	**500****	**1,000****
Pyrene	63	6.2	0.60	2.0	0.40	ND	**100****	**500****	**1,000****
RCRA METALS (mg/kg)									
Arsenic - Total	**132**	7.53	**62.9**	7.88	10.5	**63.9**	**13**	**16**	**16**
Barium - Total	291	112	102	138	78.2	143	**350**	**400**	**10,000**
Cadmium - Total	1.56	0.746	**2.82**	**4.19**	ND	ND	**2.5**	**9.3**	**60**
Chromium - Total	**48.5 ***	15.2	12.9	28.9	**65.6 ***	**37.8 ***	**30**	**1,500**	**6,800**
Lead - Total	**687**	**119**	**130**	53.8	**112**	37.7	**63**	**1,000**	**3,900**
Mercury - Total	**1.56**	**1.08**	**0.189**	**0.658**	**1.58**	**0.437**	**0.18**	**2.8**	**5.7**
Selenium - Total	2.61	ND	1.56	1.88	1.86	ND	**3.9**	**1,500**	**6,800**
Silver- Total	ND	ND	ND	ND	ND	ND	**2**	**1,500**	**6,800**
TCL PCBs (mg/kg)									
PCB 1254	NA	**0.16**	NA	ND	NA	NA	**0.1**	**1**	**25**

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 NYSDEC Part 375 Soil Cleanup Objectives (December 2006).

Definitions:

J = Indicates a value greater than or equal to the instrument detection limit but less than the sample quantitation limit.
B = Analyte was detected in the associated blank as well as in the sample.
E = For inorganic data, indicates a value estimated or not reported due to the presence of interferences.
N = For inorganic data, indicates spike sample recovery is not within the quality control limits.
ND = parameter not detected above laboratory detection limit.
NA = Not Applicable.
* = Chromium exceedance for unrestricted use are based on trivalent chromium SCO.
** = The SCOs were capped at a maximum value of: 100 ppm for unrestricted use; 500 ppm for commercial use; and 1,000 ppm for industrial use.

BOLD	= Value exceeds unrestricted SCO.
BOLD	= Value exceeds restricted-commercial SCO.
BOLD	= Value exceeds restricted-industrial SCO.

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

TABLE 2

ANALYTICAL DATA SUMMARY FOR SUB-SLAB VAPOR AND AIR INVESTIGATION
OCTOBER 2007

Site Investigation
343 Elk Street Site
Shield of Armor, LLC

Sample Location [1]	TCE		Carbon Tetrachloride		PCE		1,1,1-TCA		cis-1,2-Dichloroethene	
	79-01-6		56-23-5		127-18-4		71-55-6		156-59-2	
	Lab Reported Concentration (ug/m^3)	Soil Vapor / Indoor Air Matrix 1	Lab Reported Concentration (ug/m^3)	Soil Vapor / Indoor Air Matrix 1	Lab Reported Concentration (ug/m^3)	Soil Vapor / Indoor Air Matrix 2	Lab Reported Concentration (ug/m^3)	Soil Vapor / Indoor Air Matrix 2	Lab Reported Concentration (ug/m^3)	Soil Vapor / Indoor Air Matrix 2
SS-1	340		ND		ND		ND		ND	
IA-1	3,000	**Mitigate**	ND	**NFA**	3.0	**NFA**	0.72 J	**NFA**	1.3	**NFA**
SS-2	61		ND		ND		ND		ND	
IA-2	8,200	**Mitigate**	0.9 J	**I,R**	2.3	**NFA**	ND	**NFA**	ND	**NFA**
BG	ND		0.9 J		ND		ND		ND	

Notes:

1. SS = Sub-slab; IA = Indoor Air; BG = Background (outdoor)

Definitions:

ND = Not Detected
I, R = Take reasonable and practical actions to identify source(s) and reduce exposures
NFA = No further action
J = Indicates a value greater than or equal to the instrument detection limit but less than the sample quantitation limit.

FIGURES

FIGURE 1

BENCHMARK
ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

726 EXCHANGE STREET
SUITE 624
BUFFALO, NEW YORK 14210
(716) 856-0599

PROJECT NO.: 0144-001-101

DATE: NOVEMBER 2007

DRAFTED BY: NTM

SITE LOCATION AND VICINITY MAP

343 ELK STREET SITE
BUFFALO, NEW YORK

PREPARED FOR
SHIELD OF ARMOR, LLC

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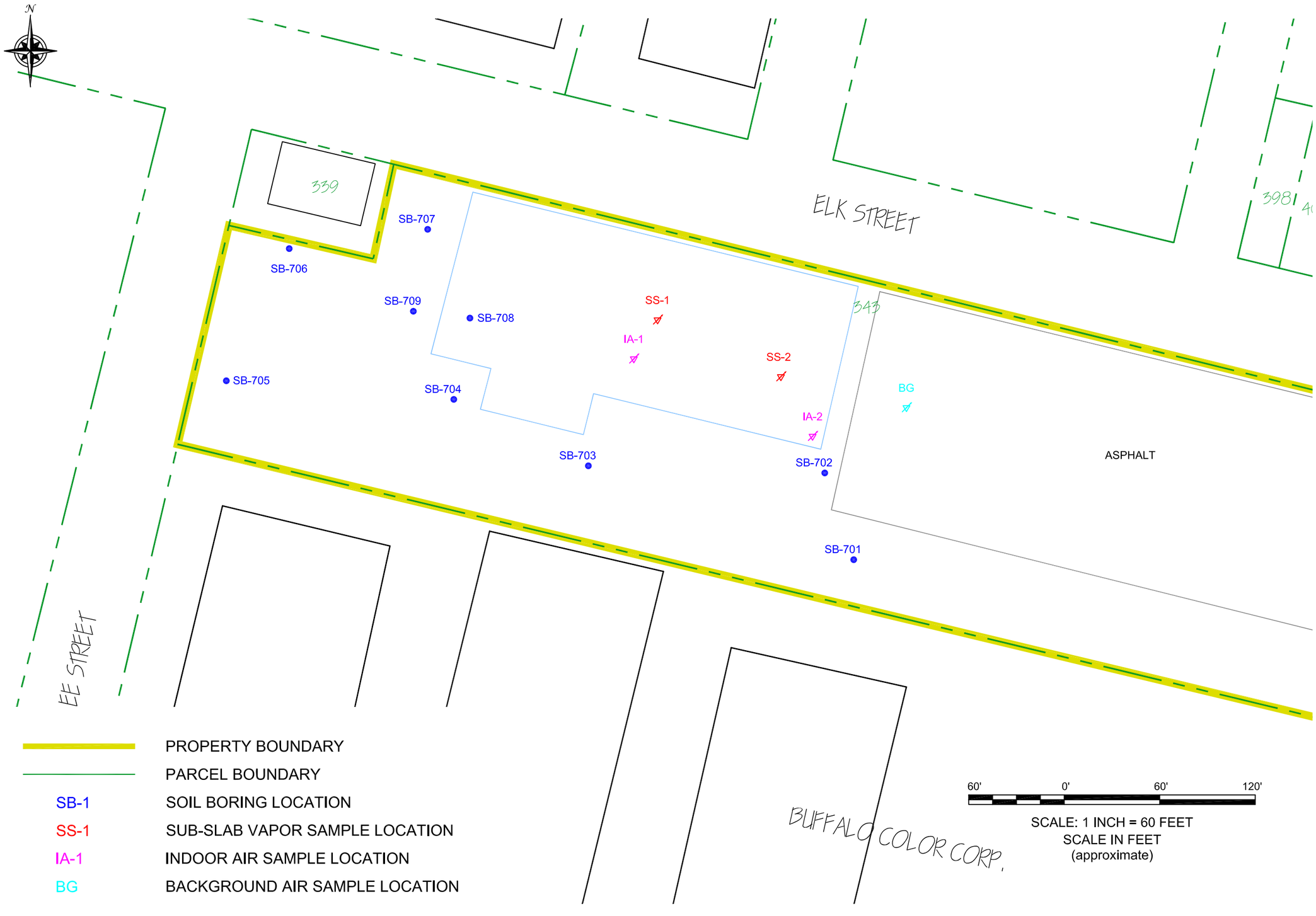

DATE: NOVEMBER 2007
DRAFTED BY: NTM

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC
726 EXCHANGE STREET
SUITE 624
BUFFALO, NEW YORK 14210
(716) 856-0599

JOB NO.: 0144-001-100

SAMPLE LOCATIONS

SITE INVESTIGATION

343 ELK STREET
BUFFALO, NEW YORK
PREPARED FOR
SHIELD OF ARMOR, LLC

FIGURE 2

APPENDIX A

FIELD GEOPROBE BOREHOLE LOGS

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

FIELD GEOPROBE BOREHOLE LOG

Project Name:	343 Elk Street	**BORING NUMBER:**	**SB-701**
Project Number:	0144-001-100	**Abandonment Method:**	☐ Pressure Tremie ☑ Soil Cuttings
Client:	Shield of Armor	**Start Date:**	10/25/07
Drilling Company:	TREC Environmental	**End Date:**	10/25/07
Driller:	Chris	**Logged By:**	BMG
Helper:	none	**Drilling Method:**	Direct push (4-foot Macrocore)
Rig Type:	Track Mounted Geoprobe	**Weather:**	Partly cloudy 65°F

Elevation (fmsl)	Depth (fbgs)	Sample No.	Recovery (feet)	DESCRIPTION OF RECOVERED SAMPLE (ASTM D2488 Visual-Manual Method) USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type (<5% Trace, 5-10% Few, 15-25% Little, 30-45% Some), Structure (varved, stratified, thinly bedded, bedded, thickly bedded, laminated, fissured, blocky, lensed, massive), Consistency/Density (Standard Penetration Test, SPT), Weathering/Fracturing, Odor, Fill Materials (if present), Other	PID Scan (ppm)	PID HDSP (ppm)	Samples (y/n)	Remarks
0	0							
-2	2	S1	3.0	(0.0 - 2.0') Black, moist, FILL with GRAVEL with little SILT and FINE SAND, massive, with some brick and ash	0.0		Y	
				(2.0 -3.0') Olive, moist, CLAY with FINE SAND, massive	0.0		N	
-4	4							
-6	6	S2	3.6	Brown, moist, CLAY with trace FINE SAND lenses (less than 1mm thick), massive, medium plasticity, verry stiff, with some iron stained mottling and fractures	0.0		N	
-8	8							
-10	10	S3	3.0	(0.0 - 2.0') Same as above (2.0 - 3.0') Same as above, soft	0.0		N	
-12	12							
-14	14	S4		12.0' End of boring				
-16	16							
-18	18	S5						
-20	20							

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

FIELD GEOPROBE BOREHOLE LOG

Project Name:	343 Elk Street	**BORING NUMBER:**	**SB-702**
Project Number:	0144-001-100	**Abandonment Method:**	☐ Pressure Tremie ☑ Soil Cuttings
Client:	Shield of Armor	**Start Date:**	10/25/07
Drilling Company:	TREC Environmental	**End Date:**	10/25/07
Driller:	Chris	**Logged By:**	BMG
Helper:	none	**Drilling Method:**	Direct push (4-foot Macrocore)
Rig Type:	Track Mounted Geoprobe	**Weather:**	Partly cloudy 65°F

Elevation (fmsl)	Depth (fbgs)	Sample No.	Recovery (feet)	DESCRIPTION OF RECOVERED SAMPLE (ASTM D2488 Visual-Manual Method) USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type (<5% Trace, 5-10% Few, 15-25% Little, 30-45% Some), Structure (varved, stratified, thinly bedded, bedded, thickly bedded, laminated, fissured, blocky, lensed, massive), Consistency/Density (Standard Penetration Test, SPT), Weathering/Fracturing, Odor, Fill Materials (if present), Other	PID Scan (ppm)	PID HDSP (ppm)	Samples (y/n)	Remarks
0	0			(0.0 - 1.5') Black, moist, FILL with GRAVEL with little SILT and FINE SAND, massive, with some brick and ash	0.0		Y	
-2	2	S1	3.0	(1.5 -3.0') Olive, moist, Clay, massive, low plasticity	0.0		N	
-4	4							
-6	6	S2	4.0	Olive, moist, CLAY with trace FINE SAND lenses (less than 1mm thick), massive, medium plasticity, stiff, with some iron stained mottling and fractures	0.0		N	
-8	8							
-10	10	S3	3.6	(0.0 - 3.6') Same as above, with wet FINE SAND lenses	0.0		N	
-12	12							
-14	14	S4		12.0' End of boring				
-16	16							
-18	18	S5						
-20	20							

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

FIELD GEOPROBE BOREHOLE LOG

Project Name:	343 Elk Street	**BORING NUMBER:**	**SB-703**
Project Number:	0144-001-100	**Abandonment Method:**	☐ Pressure Tremie ☑ Soil Cuttings
Client:	Shield of Armor	**Start Date:**	10/25/07
Drilling Company:	TREC Environmental	**End Date:**	10/25/07
Driller:	Chris	**Logged By:**	BMG
Helper:	none	**Drilling Method:**	Direct push (4-foot Macrocore)
Rig Type:	Track Mounted Geoprobe	**Weather:**	Partly cloudy 65°F

Elevation (fmsl)	Depth (fbgs)	Sample No.	Recovery (feet)	DESCRIPTION OF RECOVERED SAMPLE (ASTM D2488 Visual-Manual Method)	PID Scan (ppm)	PID HDSP (ppm)	Samples (y/n)	Remarks
				USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type(<5% Trace, 5-10% Few, 15-25% Little, 30-45% Some), Structure (varved, stratified, thinly bedded, bedded, thickly bedded, laminated, fissured, blocky, lensed, massive), Consistency/Density (Standard Penetration Test, SPT), Weathering/Fracturing, Odor, Fill Materials (if present), Other				
0	0			(0.0 - 0.4') Asphalt and Subbase	0.0		N	
-2	2	S1	1.4	(0.4 - 1.4') Brown, moist, CLAY and FILL, massive, low plasticity, with some brick and ash	0.0		Y	
-4	4			(0.0 - 0.4) Same as above				
-6	6	S2	2.6	(0.4 - 2.6') Olive, moist, CLAY with trace FINE SAND lenses (less than 1mm thick), massive, medium plasticity, stiff, with some iron stained mottling and fractures	0.0		N	
-8	8			(0.0 - 0.6') Same as above				
-10	10	S3	3.0	(0.6 - 3.0') Olive, moist, CLAY with trace FINE SAND lenses (less than 1mm thick), massive, high plasticity, soft	0.0		N	
-12	12			12.0' End of boring				
-14	14	S4						
-16	16							
-18	18	S5						
-20	20							

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

FIELD GEOPROBE BOREHOLE LOG

Project Name:	343 Elk Street	**BORING NUMBER:**	**SB-704**
Project Number:	0144-001-100	**Abandonment Method:**	☐ Pressure Tremie ☑ Soil Cuttings
Client:	Shield of Armor	**Start Date:**	10/25/07
Drilling Company:	TREC Environmental	**End Date:**	10/25/07
Driller:	Chris	**Logged By:**	BMG
Helper:	none	**Drilling Method:**	Direct push (4-foot Macrocore)
Rig Type:	Track Mounted Geoprobe	**Weather:**	Partly cloudy 65°F

Elevation (fmsl)	Depth (fbgs)	Sample No.	Recovery (feet)	DESCRIPTION OF RECOVERED SAMPLE (ASTM D2488 Visual-Manual Method)	PID Scan (ppm)	PID HDSP (ppm)	Samples (y/n)	Remarks
				USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type(<5% Trace, 5-10% Few, 15-25% Little, 30-45% Some), Structure (varved, stratified, thinly bedded, bedded, thickly bedded, laminated, fissured, blocky, lensed, massive), Consistency/Density (Standard Penetration Test, SPT), Weathering/Fracturing, Odor, Fill Materials (if present), Other				
0	0			(0.0 - 0.3') Asphalt and Subbase	0.0		N	
-2	2	S1	1.2	(0.3 - 1.2') Black, moist, FILL with FINE GRAVEL with little SILT and FINE SAND, massive, with some brick and ash	0.0		Y	
-4	4							
-6	6	S2	3.0	Olive, moist, CLAY with trace FINE SAND lenses (less than 1mm thick), massive, medium plasticity, stiff, with some iron stained mottling and fractures	0.0		N	
-8	8							
-10	10	S3	2.0	Same as above, with wet FINE SAND lenses	0.0		N	
-12	12							
-14	14	S4		12.0' End of boring				
-16	16							
-18	18	S5						
-20	20							

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

FIELD GEOPROBE BOREHOLE LOG

Project Name:	343 Elk Street	**BORING NUMBER:**	**SB-705**
Project Number:	0144-001-100	**Abandonment Method:**	☐ Pressure Tremie ☑ Soil Cuttings
Client:	Shield of Armor	**Start Date:**	10/25/07
Drilling Company:	TREC Environmental	**End Date:**	10/25/07
Driller:	Chris	**Logged By:**	BMG
Helper:	none	**Drilling Method:**	Direct push (4-foot Macrocore)
Rig Type:	Track Mounted Geoprobe	**Weather:**	Partly cloudy 65°F

Elevation (fmsl)	Depth (fbgs)	Sample No.	Recovery (feet)	DESCRIPTION OF RECOVERED SAMPLE (ASTM D2488 Visual-Manual Method) USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type (<5% Trace, 5-10% Few, 15-25% Little, 30-45% Some), Structure (varved, stratified, thinly bedded, bedded, thickly bedded, laminated, fissured, blocky, lensed, massive), Consistency/Density (Standard Penetration Test, SPT), Weathering/Fracturing, Odor, Fill Materials (if present), Other	PID Scan (ppm)	PID HDSP (ppm)	Samples (y/n)	Remarks
0	0			(0.0 - 0.3') Asphalt and Subbase	0.0		N	
-2	2	S1	2.0	(0.3 - 2.0') Black, moist, FILL with GRAVEL with little SILT and FINE SAND, massive, with some brick and ash Note: Temporary refusal at 3fbgs was observed and wood (stained purple) was found in macrocore. Recovered macrocore was wet and purple in color.	0.0		Y	
-4	4							
-6	6	S2	3.0	Olive, moist, CLAY with trace FINE SAND lenses (less than 1mm thick), massive, medium plasticity, stiff, with some iron stained mottling and fractures	0.0		N	
-8	8							
-10	10	S3	3.4	Same as above, with wet FINE SAND lenses	0.0		N	
-12	12							
-14	14	S4		12.0' End of boring				
-16	16							
-18	18	S5						
-20	20							

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

FIELD GEOPROBE BOREHOLE LOG

Project Name:	343 Elk Street	**BORING NUMBER:**	**SB-706**
Project Number:	0144-001-100	**Abandonment Method:**	☐ Pressure Tremie ☑ Soil Cuttings
Client:	Shield of Armor	**Start Date:**	10/25/07
Drilling Company:	TREC Environmental	**End Date:**	10/25/07
Driller:	Chris	**Logged By:**	BMG
Helper:	none	**Drilling Method:**	Direct push (4-foot Macrocore)
Rig Type:	Track Mounted Geoprobe	**Weather:**	Partly cloudy 65°F

Elevation (fmsl)	Depth (fbgs)	Sample No.	Recovery (feet)	DESCRIPTION OF RECOVERED SAMPLE (ASTM D2488 Visual-Manual Method)	PID Scan (ppm)	PID HDSP (ppm)	Samples (y/n)	Remarks
0	0			(0.0 - 1.8') Black, moist, FILL with GRAVEL with little SILT and FINE SAND, massive, with some brick and ash				
-2	2	S1	1.8		0.0		Y	
-4	4							
-6	6	S2	3.8	Olive, moist, CLAY with trace FINE SAND lenses (less than 1mm thick), massive, medium plasticity, stiff, with some iron stained mottling and fractures	0.0		N	
-8	8							
-10	10	S3	1.2	Same as above, with wet FINE SAND lenses	0.0		N	
-12	12			12.0' End of boring				
-14	14	S4						
-16	16							
-18	18	S5						
-20	20							

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

FIELD GEOPROBE BOREHOLE LOG

Project Name:	343 Elk Street	**BORING NUMBER:**	**SB-707**
Project Number:	0144-001-100	**Abandonment Method:**	☐ Pressure Tremie ☑ Soil Cuttings
Client:	Shield of Armor	**Start Date:**	10/25/07
Drilling Company:	TREC Environmental	**End Date:**	10/25/07
Driller:	Chris	**Logged By:**	BMG
Helper:	none	**Drilling Method:**	Direct push (4-foot Macrocore)
Rig Type:	Track Mounted Geoprobe	**Weather:**	Partly cloudy 65°F

Elevation (fmsl)	Depth (fbgs)	Sample No.	Recovery (feet)	DESCRIPTION OF RECOVERED SAMPLE (ASTM D2488 Visual-Manual Method) USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type (<5% Trace, 5-10% Few, 15-25% Little, 30-45% Some), Structure (varved, stratified, thinly bedded, bedded, thickly bedded, laminated, fissured, blocky, lensed, massive), Consistency/Density (Standard Penetration Test, SPT), Weathering/Fracturing, Odor, Fill Materials (if present), Other	PID Scan (ppm)	PID HDSP (ppm)	Samples (y/n)	Remarks
0	0			(0.0 - 1.8') Black, moist, FILL with GRAVEL with little SILT and FINE SAND, massive, with some brick and ash				
-2	2	S1	1.2		0.0		Y	
-4	4			(0.0 - 0.8') Same as above				
-6	6	S2	4.0	(0.8 - 3.8') Olive, moist, CLAY with trace FINE SAND lenses (less than 1mm thick), massive, medium plasticity, stiff, with some iron stained mottling and fractures	0.0		N	
-8	8							
-10	10	S3	2.8	Same as above, with wet FINE SAND lenses	0.0		N	
-12	12			12.0' End of boring				
-14	14	S4						
-16	16							
-18	18	S5						
-20	20							

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

FIELD GEOPROBE BOREHOLE LOG

Project Name:	343 Elk Street	**BORING NUMBER:**	**SB-708**
Project Number:	0144-001-100	**Abandonment Method:**	☐ Pressure Tremie ☑ Soil Cuttings
Client:	Shield of Armor	**Start Date:**	10/25/07
Drilling Company:	TREC Environmental	**End Date:**	10/25/07
Driller:	Chris	**Logged By:**	BMG
Helper:	none	**Drilling Method:**	Direct push (4-foot Macrocore)
Rig Type:	Track Mounted Geoprobe	**Weather:**	Partly cloudy 65°F

Elevation (fmsl)	Depth (fbgs)	Sample No.	Recovery (feet)	DESCRIPTION OF RECOVERED SAMPLE (ASTM D2488 Visual-Manual Method)	PID Scan (ppm)	PID HDSP (ppm)	Samples (y/n)	Remarks
				USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type(<5% Trace, 5-10% Few, 15-25% Little, 30-45% Some), Structure (varved, stratified, thinly bedded, bedded, thickly bedded, laminated, fissured, blocky, lensed, massive), Consistency/Density (Standard Penetration Test, SPT), Weathering/Fracturing, Odor, Fill Materials (if present), Other				
0	0			(0.0 - 0.3') Concrete and Subbase	0.0		N	
-2	2	S1	1.2	(0.3 - 1.2') Black, moist, FILL with GRAVEL with little SILT and FINE SAND, massive, with some brick and ash	0.0		Y	
-4	4							
-6	6	S2	4.0	Olive, moist, CLAY with trace FINE SAND lenses (less than 1mm thick), massive, medium plasticity, stiff, with some iron stained mottling and fractures	0.0		N	
-8	8							
-10	10	S3	4.0	Same as above, with wet FINE SAND lenses	0.0		N	
-12	12							
-14	14	S4		12.0' End of boring				
-16	16							
-18	18	S5						
-20	20							

BENCHMARK ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

FIELD GEOPROBE BOREHOLE LOG

Project Name:	343 Elk Street	**BORING NUMBER:**	**SB-709**
Project Number:	0144-001-100	**Abandonment Method:**	☐ Pressure Tremie ☑ Soil Cuttings
Client:	Shield of Armor	**Start Date:**	10/25/07
Drilling Company:	TREC Environmental	**End Date:**	10/25/07
Driller:	Chris	**Logged By:**	BMG
Helper:	none	**Drilling Method:**	Direct push (4-foot Macrocore)
Rig Type:	Track Mounted Geoprobe	**Weather:**	Partly cloudy 65°F

Elevation (fmsl)	Depth (fbgs)	Sample No.	Recovery (feet)	DESCRIPTION OF RECOVERED SAMPLE (ASTM D2488 Visual-Manual Method) USCS Classification: Color, Moisture Condition, Primary Soil Type, Secondary Soil Type (<5% Trace, 5-10% Few, 15-25% Little, 30-45% Some), Structure (varved, stratified, thinly bedded, bedded, thickly bedded, laminated, fissured, blocky, lensed, massive), Consistency/Density (Standard Penetration Test, SPT), Weathering/Fracturing, Odor, Fill Materials (if present), Other	PID Scan (ppm)	PID HDSP (ppm)	Samples (y/n)	Remarks
0	0			(0.0 - 0.4') Concrete and Subbase	0.0		N	
-2	2	S1	3.0	(0.4 - 3.0') Olive, moist, CLAY with trace FINE SAND lenses (less than 1mm thick), massive, medium plasticity, stiff, with some iron stained mottling and fractures	0.0		Y	
-4	4							
-6	6	S2	3.2	Same as above, with wet FINE SAND lenses	0.0		N	
-8	8			(0.0 - 1.2') Same as above				
-10	10	S3	1.5		0.0		N	
				(1.2 - 1.5') Same as above with some gravel				
-12	12			12.0' End of boring				
-14	14	S4						
-16	16							
-18	18	S5						
-20	20							

APPENDIX B

LABORATORY ANALYTICAL DATA SUMMARY PACKAGES

COLUMBIA ANALYTICAL SERVICES

Reported: 11/02/07

Benchmark Environmental Eng.
Project Reference: 343 ELK STREET
Client Sample ID : SB-701

Date Sampled : 10/25/07 09:40 **Order #:** 1049402 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 10/26/07 **Submission #:** R2740520

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	DILUTION
METALS						
ARSENIC	6010B	1.00	132	MG/KG	10/31/07	1.0
BARIUM	6010B	2.00	291	MG/KG	10/31/07	1.0
CADMIUM	6010B	0.500	1.56	MG/KG	10/31/07	1.0
CHROMIUM	6010B	1.00	48.5	MG/KG	10/31/07	1.0
LEAD	6010B	5.00	687	MG/KG	10/31/07	1.0
MERCURY	7471A	0.0500	1.56	MG/KG	10/31/07	1.0
SELENIUM	6010B	1.00	2.61	MG/KG	10/31/07	1.0
SILVER	6010B	1.00	1.27 U	MG/KG	10/31/07	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 11/02/07

Benchmark Environmental Eng.
Project Reference: 343 ELK STREET
Client Sample ID : SB-702

Date Sampled : 10/25/07 10:30 **Order #:** 1049403 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 10/26/07 **Submission #:** R2740520

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	DILUTION
METALS						
ARSENIC	6010B	1.00	7.53	MG/KG	10/31/07	1.0
BARIUM	6010B	2.00	112	MG/KG	10/31/07	1.0
CADMIUM	6010B	0.500	0.746	MG/KG	10/31/07	1.0
CHROMIUM	6010B	1.00	15.2	MG/KG	10/31/07	1.0
LEAD	6010B	5.00	119	MG/KG	10/31/07	1.0
MERCURY	7471A	0.0500	1.08	MG/KG	10/31/07	1.0
SELENIUM	6010B	1.00	0.00000000	MG/KG		0.0
SILVER	6010B	1.00	1.30 U	MG/KG	10/31/07	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 11/02/07

Benchmark Environmental Eng.
Project Reference: 343 ELK STREET
Client Sample ID : SB-705

Date Sampled : 10/25/07 12:00 **Order #:** 1049404 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 10/26/07 **Submission #:** R2740520

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	DILUTION
METALS						
ARSENIC	6010B	1.00	62.9	MG/KG	10/31/07	1.0
BARIUM	6010B	2.00	102	MG/KG	10/31/07	1.0
CADMIUM	6010B	0.500	2.82	MG/KG	10/31/07	1.0
CHROMIUM	6010B	1.00	12.9	MG/KG	10/31/07	1.0
LEAD	6010B	5.00	130	MG/KG	10/31/07	1.0
MERCURY	7471A	0.0500	0.189	MG/KG	10/31/07	1.0
SELENIUM	6010B	1.00	1.56	MG/KG	10/31/07	1.0
SILVER	6010B	1.00	1.17 U	MG/KG	10/31/07	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 11/02/07

Benchmark Environmental Eng.
Project Reference: 343 ELK STREET
Client Sample ID : SB-706

Date Sampled : 10/25/07 12:45 **Order #:** 1049405 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 10/26/07 **Submission #:** R2740520

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	DILUTION
METALS						
ARSENIC	6010B	1.00	7.88	MG/KG	10/31/07	1.0
BARIUM	6010B	2.00	138	MG/KG	10/31/07	1.0
CADMIUM	6010B	0.500	4.19	MG/KG	10/31/07	1.0
CHROMIUM	6010B	1.00	28.9	MG/KG	10/31/07	1.0
LEAD	6010B	5.00	53.8	MG/KG	10/31/07	1.0
MERCURY	7471A	0.0500	0.658	MG/KG	10/31/07	1.0
SELENIUM	6010B	1.00	1.88	MG/KG	10/31/07	1.0
SILVER	6010B	1.00	1.21 U	MG/KG	10/31/07	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 11/02/07

Benchmark Environmental Eng.
Project Reference: 343 ELK STREET
Client Sample ID : SB-708

Date Sampled : 10/25/07 14:30 **Order #:** 1049406 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 10/26/07 **Submission #:** R2740520

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	DILUTION
METALS						
ARSENIC	6010B	1.00	10.5	MG/KG	10/31/07	1.0
BARIUM	6010B	2.00	78.2	MG/KG	10/31/07	1.0
CADMIUM	6010B	0.500	0.569 U	MG/KG	10/31/07	1.0
CHROMIUM	6010B	1.00	65.6	MG/KG	10/31/07	1.0
LEAD	6010B	5.00	112	MG/KG	10/31/07	1.0
MERCURY	7471A	0.0500	1.58	MG/KG	10/31/07	1.0
SELENIUM	6010B	1.00	1.86	MG/KG	10/31/07	1.0
SILVER	6010B	1.00	1.14 U	MG/KG	10/31/07	1.0

COLUMBIA ANALYTICAL SERVICES

Reported: 11/02/07

Benchmark Environmental Eng.
Project Reference: 343 ELK STREET
Client Sample ID : SB-709

Date Sampled : 10/25/07 15:00 **Order #:** 1049407 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 10/26/07 **Submission #:** R2740520

ANALYTE	METHOD	PQL	RESULT	DRY WEIGHT UNITS	DATE ANALYZED	DILUTION
METALS						
ARSENIC	6010B	1.00	63.9	MG/KG	10/31/07	1.0
BARIUM	6010B	2.00	143	MG/KG	10/31/07	1.0
CADMIUM	6010B	0.500	0.716 U	MG/KG	10/31/07	1.0
CHROMIUM	6010B	1.00	37.8	MG/KG	10/31/07	1.0
LEAD	6010B	5.00	37.7	MG/KG	10/31/07	1.0
MERCURY	7471A	0.0500	0.437	MG/KG	10/31/07	1.0
SELENIUM	6010B	1.00	0.00000000	MG/KG		0.0
SILVER	6010B	1.00	1.43 U	MG/KG	10/31/07	1.0

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C
Reported: 11/02/07

Benchmark Environmental Eng.
Project Reference: 343 ELK STREET
Client Sample ID : SB-701

Date Sampled : 10/25/07 09:40 **Order #:** 1049402 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 10/26/07 **Submission #:** R2740520 **Percent Solid:** 79.0

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/29/07			
DATE ANALYZED : 11/01/07			
ANALYTICAL DILUTION: 20.00			Dry Weight
ACENAPHTHENE	330	8400 U	UG/KG
ACENAPHTHYLENE	330	8400 U	UG/KG
ANTHRACENE	330	19000	UG/KG
BENZO(A)ANTHRACENE	330	39000	UG/KG
BENZO(A)PYRENE	330	34000	UG/KG
BENZO(B)FLUORANTHENE	330	29000	UG/KG
BENZO(G,H,I)PERYLENE	330	20000	UG/KG
BENZO(K)FLUORANTHENE	330	28000	UG/KG
INDENO(1,2,3-CD)PYRENE	330	19000	UG/KG
CHRYSENE	330	39000	UG/KG
DIBENZO(A,H)ANTHRACENE	330	8400 U	UG/KG
FLUORANTHENE	330	91000	UG/KG
FLUORENE	330	11000	UG/KG
NAPHTHALENE	330	8400 U	UG/KG
PHENANTHRENE	330	71000	UG/KG
PYRENE	330	63000	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	D	%
NITROBENZENE-d5	(27 - 130 %)	D	%
2-FLUOROBIPHENYL	(32 - 130 %)	D	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C
Reported: 11/02/07

Benchmark Environmental Eng.
Project Reference: 343 ELK STREET
Client Sample ID : SB-702

Date Sampled : 10/25/07 10:30 **Order #:** 1049403 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 10/26/07 **Submission #:** R2740520 **Percent Solid:** 76.9

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/29/07			
DATE ANALYZED : 11/01/07			
ANALYTICAL DILUTION: 2.00			Dry Weight
ACENAPHTHENE	330	860 U	UG/KG
ACENAPHTHYLENE	330	860 U	UG/KG
ANTHRACENE	330	1400	UG/KG
BENZO(A)ANTHRACENE	330	3500	UG/KG
BENZO(A)PYRENE	330	3100	UG/KG
BENZO(B)FLUORANTHENE	330	2800	UG/KG
BENZO(G,H,I)PERYLENE	330	2000	UG/KG
BENZO(K)FLUORANTHENE	330	2300	UG/KG
INDENO(1,2,3-CD)PYRENE	330	1800	UG/KG
CHRYSENE	330	3600	UG/KG
DIBENZO(A,H)ANTHRACENE	330	860 U	UG/KG
FLUORANTHENE	330	8300	UG/KG
FLUORENE	330	860 U	UG/KG
NAPHTHALENE	330	860 U	UG/KG
PHENANTHRENE	330	6800	UG/KG
PYRENE	330	6200	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	71	%
NITROBENZENE-d5	(27 - 130 %)	72	%
2-FLUOROBIPHENYL	(32 - 130 %)	80	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C
Reported: 11/02/07

Benchmark Environmental Eng.
Project Reference: 343 ELK STREET
Client Sample ID : SB-705

Date Sampled : 10/25/07 12:00 **Order #:** 1049404 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 10/26/07 **Submission #:** R2740520 **Percent Solid:** 85.2

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/29/07			
DATE ANALYZED : 10/30/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACENAPHTHENE	330	390 U	UG/KG
ACENAPHTHYLENE	330	390 U	UG/KG
ANTHRACENE	330	390 U	UG/KG
BENZO(A)ANTHRACENE	330	390 U	UG/KG
BENZO(A)PYRENE	330	390 U	UG/KG
BENZO(B)FLUORANTHENE	330	390 U	UG/KG
BENZO(G,H,I)PERYLENE	330	390 U	UG/KG
BENZO(K)FLUORANTHENE	330	390 U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	390 U	UG/KG
CHRYSENE	330	390 U	UG/KG
DIBENZO(A,H)ANTHRACENE	330	390 U	UG/KG
FLUORANTHENE	330	680	UG/KG
FLUORENE	330	390 U	UG/KG
NAPHTHALENE	330	390 U	UG/KG
PHENANTHRENE	330	640	UG/KG
PYRENE	330	600	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	74	%
NITROBENZENE-d5	(27 - 130 %)	63	%
2-FLUOROBIPHENYL	(32 - 130 %)	74	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C
Reported: 11/02/07

Benchmark Environmental Eng.
Project Reference: 343 ELK STREET
Client Sample ID : SB-706

Date Sampled : 10/25/07 12:45 **Order #:** 1049405 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 10/26/07 **Submission #:** R2740520 **Percent Solid:** 82.4

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/29/07			
DATE ANALYZED : 10/30/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACENAPHTHENE	330	400 U	UG/KG
ACENAPHTHYLENE	330	400 U	UG/KG
ANTHRACENE	330	400 U	UG/KG
BENZO(A)ANTHRACENE	330	970	UG/KG
BENZO(A)PYRENE	330	1200	UG/KG
BENZO(B)FLUORANTHENE	330	1200	UG/KG
BENZO(G,H,I)PERYLENE	330	1100	UG/KG
BENZO(K)FLUORANTHENE	330	1200	UG/KG
INDENO(1,2,3-CD)PYRENE	330	940	UG/KG
CHRYSENE	330	1300	UG/KG
DIBENZO(A,H)ANTHRACENE	330	400 U	UG/KG
FLUORANTHENE	330	2600	UG/KG
FLUORENE	330	400 U	UG/KG
NAPHTHALENE	330	400 U	UG/KG
PHENANTHRENE	330	1100	UG/KG
PYRENE	330	2000	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	77	%
NITROBENZENE-d5	(27 - 130 %)	66	%
2-FLUOROBIPHENYL	(32 - 130 %)	77	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C
Reported: 11/02/07

Benchmark Environmental Eng.
Project Reference: 343 ELK STREET
Client Sample ID : SB-708

Date Sampled : 10/25/07 14:30 **Order #:** 1049406 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 10/26/07 **Submission #:** R2740520 **Percent Solid:** 87.8

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/29/07			
DATE ANALYZED : 10/30/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACENAPHTHENE	330	380 U	UG/KG
ACENAPHTHYLENE	330	380 U	UG/KG
ANTHRACENE	330	380 U	UG/KG
BENZO(A)ANTHRACENE	330	380 U	UG/KG
BENZO(A)PYRENE	330	380 U	UG/KG
BENZO(B)FLUORANTHENE	330	380 U	UG/KG
BENZO(G,H,I)PERYLENE	330	380 U	UG/KG
BENZO(K)FLUORANTHENE	330	380 U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	380 U	UG/KG
CHRYSENE	330	380 U	UG/KG
DIBENZO(A,H)ANTHRACENE	330	380 U	UG/KG
FLUORANTHENE	330	450	UG/KG
FLUORENE	330	380 U	UG/KG
NAPHTHALENE	330	380 U	UG/KG
PHENANTHRENE	330	380 U	UG/KG
PYRENE	330	400	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	78	%
NITROBENZENE-d5	(27 - 130 %)	73	%
2-FLUOROBIPHENYL	(32 - 130 %)	81	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8270C
Reported: 11/02/07

Benchmark Environmental Eng.
Project Reference: 343 ELK STREET
Client Sample ID : SB-709

Date Sampled : 10/25/07 15:00 **Order #:** 1049407 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 10/26/07 **Submission #:** R2740520 **Percent Solid:** 69.8

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/29/07			
DATE ANALYZED : 10/30/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
ACENAPHTHENE	330	470 U	UG/KG
ACENAPHTHYLENE	330	470 U	UG/KG
ANTHRACENE	330	470 U	UG/KG
BENZO(A)ANTHRACENE	330	470 U	UG/KG
BENZO(A)PYRENE	330	470 U	UG/KG
BENZO(B)FLUORANTHENE	330	470 U	UG/KG
BENZO(G,H,I)PERYLENE	330	470 U	UG/KG
BENZO(K)FLUORANTHENE	330	470 U	UG/KG
INDENO(1,2,3-CD)PYRENE	330	470 U	UG/KG
CHRYSENE	330	470 U	UG/KG
DIBENZO(A,H)ANTHRACENE	330	470 U	UG/KG
FLUORANTHENE	330	470 U	UG/KG
FLUORENE	330	470 U	UG/KG
NAPHTHALENE	330	470 U	UG/KG
PHENANTHRENE	330	470 U	UG/KG
PYRENE	330	470 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
TERPHENYL-d14	(48 - 131 %)	77	%
NITROBENZENE-d5	(27 - 130 %)	73	%
2-FLUOROBIPHENYL	(32 - 130 %)	73	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8082 PCB'S
Reported: 11/02/07

Benchmark Environmental Eng.
Project Reference: 343 ELK STREET
Client Sample ID : SB-702

Date Sampled : 10/25/07 10:30 **Order #:** 1049403 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 10/26/07 **Submission #:** R2740520 **Percent Solid:** 76.9

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/29/07			
DATE ANALYZED : 10/31/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
PCB 1016	33	43 U	UG/KG
PCB 1221	67	87 U	UG/KG
PCB 1232	33	43 U	UG/KG
PCB 1242	33	43 U	UG/KG
PCB 1248	33	43 U	UG/KG
PCB 1254	33	160	UG/KG
PCB 1260	33	43 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
DECACHLOROBIPHENYL	(29 - 153 %)	96	%
TETRACHLORO-META-XYLENE	(27 - 134 %)	98	%

COLUMBIA ANALYTICAL SERVICES

EXTRACTABLE ORGANICS
METHOD 8082 PCB'S
Reported: 11/02/07

Benchmark Environmental Eng.
Project Reference: 343 ELK STREET
Client Sample ID : SB-706

Date Sampled : 10/25/07 12:45 **Order #:** 1049405 **Sample Matrix:** SOIL/SEDIMENT
Date Received: 10/26/07 **Submission #:** R2740520 **Percent Solid:** 82.4

ANALYTE	PQL	RESULT	UNITS
DATE EXTRACTED : 10/29/07			
DATE ANALYZED : 10/31/07			
ANALYTICAL DILUTION: 1.00			Dry Weight
PCB 1016	33	40 U	UG/KG
PCB 1221	67	81 U	UG/KG
PCB 1232	33	40 U	UG/KG
PCB 1242	33	40 U	UG/KG
PCB 1248	33	40 U	UG/KG
PCB 1254	33	40 U	UG/KG
PCB 1260	33	40 U	UG/KG

SURROGATE RECOVERIES	QC LIMITS		
DECACHLOROBIPHENYL	(29 - 153 %)	107	%
TETRACHLORO-META-XYLENE	(27 - 134 %)	99	%

Centek Laboratories, LLC

Date: *01-Nov-07*

CLIENT:	Benchmark Environmental Engineering & S	**Client Sample ID:**	SS-1
Lab Order:	C0710044	**Tag Number:**	190,82
Project:	343 Elk St. PO# 0144-001-100	**Collection Date:**	10/26/2007
Lab ID:	C0710044-001A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **LL**
1,1,1-Trichloroethane	ND	0.83		ug/m3	1	10/30/2007
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	10/30/2007
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	10/30/2007
1,1-Dichloroethane	ND	0.62		ug/m3	1	10/30/2007
1,1-Dichloroethene	ND	0.60		ug/m3	1	10/30/2007
1,2,4-Trichlorobenzene	ND	1.1		ug/m3	1	10/30/2007
1,2,4-Trimethylbenzene	5.0	0.75		ug/m3	1	10/30/2007
1,2-Dibromoethane	ND	1.2		ug/m3	1	10/30/2007
1,2-Dichlorobenzene	ND	0.92		ug/m3	1	10/30/2007
1,2-Dichloroethane	ND	0.62		ug/m3	1	10/30/2007
1,2-Dichloropropane	ND	0.70		ug/m3	1	10/30/2007
1,3,5-Trimethylbenzene	2.8	0.75		ug/m3	1	10/30/2007
1,3-butadiene	ND	0.34		ug/m3	1	10/30/2007
1,3-Dichlorobenzene	ND	0.92		ug/m3	1	10/30/2007
1,4-Dichlorobenzene	ND	0.92		ug/m3	1	10/30/2007
1,4-Dioxane	ND	1.1		ug/m3	1	10/30/2007
2,2,4-trimethylpentane	5.4	0.71		ug/m3	1	10/30/2007
4-ethyltoluene	1.3	0.75		ug/m3	1	10/30/2007
Acetone	100	7.2	E	ug/m3	10	10/30/2007
Allyl chloride	ND	0.48		ug/m3	1	10/30/2007
Benzene	10	4.9		ug/m3	10	10/30/2007
Benzyl chloride	ND	0.88		ug/m3	1	10/30/2007
Bromodichloromethane	ND	1.0		ug/m3	1	10/30/2007
Bromoform	ND	1.6		ug/m3	1	10/30/2007
Bromomethane	ND	0.59		ug/m3	1	10/30/2007
Carbon disulfide	20	4.7		ug/m3	10	10/30/2007
Carbon tetrachloride	ND	0.96		ug/m3	1	10/30/2007
Chlorobenzene	ND	0.70		ug/m3	1	10/30/2007
Chloroethane	ND	0.40		ug/m3	1	10/30/2007
Chloroform	4.1	0.74		ug/m3	1	10/30/2007
Chloromethane	ND	0.31		ug/m3	1	10/30/2007
cis-1,2-Dichloroethene	ND	0.60		ug/m3	1	10/30/2007
cis-1,3-Dichloropropene	ND	0.69		ug/m3	1	10/30/2007
Cyclohexane	110	5.2	E	ug/m3	10	10/30/2007
Dibromochloromethane	ND	1.3		ug/m3	1	10/30/2007
Ethyl acetate	61	9.2		ug/m3	10	10/30/2007
Ethylbenzene	9.0	0.66		ug/m3	1	10/30/2007
Freon 11	2.5	0.86		ug/m3	1	10/30/2007
Freon 113	ND	1.2		ug/m3	1	10/30/2007
Freon 114	ND	1.1		ug/m3	1	10/30/2007

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *01-Nov-07*

CLIENT:	Benchmark Environmental Engineering & S	**Client Sample ID:**	SS-1
Lab Order:	C0710044	**Tag Number:**	190,82
Project:	343 Elk St. PO# 0144-001-100	**Collection Date:**	10/26/2007
Lab ID:	C0710044-001A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **LL**
Freon 12	95	7.5		ug/m3	10	10/30/2007
Heptane	39	6.2		ug/m3	10	10/30/2007
Hexachloro-1,3-butadiene	ND	1.6		ug/m3	1	10/30/2007
Hexane	75	5.4		ug/m3	10	10/30/2007
Isopropyl alcohol	ND	0.37		ug/m3	1	10/30/2007
m&p-Xylene	27	13		ug/m3	10	10/30/2007
Methyl Butyl Ketone	ND	1.2		ug/m3	1	10/30/2007
Methyl Ethyl Ketone	ND	0.90		ug/m3	1	10/30/2007
Methyl Isobutyl Ketone	ND	1.2		ug/m3	1	10/30/2007
Methyl tert-butyl ether	ND	0.55		ug/m3	1	10/30/2007
Methylene chloride	4.0	0.53		ug/m3	1	10/30/2007
o-Xylene	7.4	0.66		ug/m3	1	10/30/2007
Propylene	ND	0.26		ug/m3	1	10/30/2007
Styrene	11	6.5		ug/m3	10	10/30/2007
Tetrachloroethylene	ND	1.0		ug/m3	1	10/30/2007
Tetrahydrofuran	ND	0.45		ug/m3	1	10/30/2007
Toluene	26	5.7		ug/m3	10	10/30/2007
trans-1,2-Dichloroethene	ND	0.60		ug/m3	1	10/30/2007
trans-1,3-Dichloropropene	ND	0.69		ug/m3	1	10/30/2007
Trichloroethene	340	8.2	E	ug/m3	10	10/30/2007
Vinyl acetate	ND	0.54		ug/m3	1	10/30/2007
Vinyl Bromide	ND	0.67		ug/m3	1	10/30/2007
Vinyl chloride	ND	0.39		ug/m3	1	10/30/2007

NOTES:

E - Estimated value. The amount exceeds the linear working range of the instrument.

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *01-Nov-07*

CLIENT:	Benchmark Environmental Engineering & S	**Client Sample ID:**	IA-1
Lab Order:	C0710044	**Tag Number:**	95,59
Project:	343 Elk St. PO# 0144-001-100	**Collection Date:**	10/26/2007
Lab ID:	C0710044-002A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.25UG/M3 TCE BY METHOD TO15		**TO-15**				Analyst: **LL**
1,1,1-Trichloroethane	0.72	0.83	J	ug/m3	1	10/30/2007
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	10/30/2007
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	10/30/2007
1,1-Dichloroethane	ND	0.62		ug/m3	1	10/30/2007
1,1-Dichloroethene	ND	0.60		ug/m3	1	10/30/2007
1,2,4-Trichlorobenzene	ND	1.1		ug/m3	1	10/30/2007
1,2,4-Trimethylbenzene	8.8	0.75		ug/m3	1	10/30/2007
1,2-Dibromoethane	ND	1.2		ug/m3	1	10/30/2007
1,2-Dichlorobenzene	ND	0.92		ug/m3	1	10/30/2007
1,2-Dichloroethane	ND	0.62		ug/m3	1	10/30/2007
1,2-Dichloropropane	ND	0.70		ug/m3	1	10/30/2007
1,3,5-Trimethylbenzene	2.6	0.75		ug/m3	1	10/30/2007
1,3-butadiene	ND	0.34		ug/m3	1	10/30/2007
1,3-Dichlorobenzene	ND	0.92		ug/m3	1	10/30/2007
1,4-Dichlorobenzene	ND	0.92		ug/m3	1	10/30/2007
1,4-Dioxane	ND	1.1		ug/m3	1	10/30/2007
2,2,4-trimethylpentane	2.7	0.71		ug/m3	1	10/30/2007
4-ethyltoluene	2.8	0.75		ug/m3	1	10/30/2007
Acetone	150	7.2	E	ug/m3	10	10/30/2007
Allyl chloride	ND	0.48		ug/m3	1	10/30/2007
Benzene	6.0	0.49		ug/m3	1	10/30/2007
Benzyl chloride	ND	0.88		ug/m3	1	10/30/2007
Bromodichloromethane	ND	1.0		ug/m3	1	10/30/2007
Bromoform	ND	1.6		ug/m3	1	10/30/2007
Bromomethane	ND	0.59		ug/m3	1	10/30/2007
Carbon disulfide	0.57	0.47		ug/m3	1	10/30/2007
Carbon tetrachloride	ND	0.96		ug/m3	1	10/30/2007
Chlorobenzene	ND	0.70		ug/m3	1	10/30/2007
Chloroethane	ND	0.40		ug/m3	1	10/30/2007
Chloroform	ND	0.74		ug/m3	1	10/30/2007
Chloromethane	ND	0.31		ug/m3	1	10/30/2007
cis-1,2-Dichloroethene	1.3	0.60		ug/m3	1	10/30/2007
cis-1,3-Dichloropropene	ND	0.69		ug/m3	1	10/30/2007
Cyclohexane	ND	0.52		ug/m3	1	10/30/2007
Dibromochloromethane	ND	1.3		ug/m3	1	10/30/2007
Ethyl acetate	12	9.2		ug/m3	10	10/30/2007
Ethylbenzene	23	6.6		ug/m3	10	10/30/2007
Freon 11	2.5	0.86		ug/m3	1	10/30/2007
Freon 113	ND	1.2		ug/m3	1	10/30/2007
Freon 114	ND	1.1		ug/m3	1	10/30/2007

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *01-Nov-07*

CLIENT:	Benchmark Environmental Engineering & S	**Client Sample ID:**	IA-1
Lab Order:	C0710044	**Tag Number:**	95,59
Project:	343 Elk St. PO# 0144-001-100	**Collection Date:**	10/26/2007
Lab ID:	C0710044-002A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.25UG/M3 TCE BY METHOD TO15		**TO-15**				Analyst: **LL**
Freon 12	9.2	0.75		ug/m3	1	10/30/2007
Heptane	5.3	0.62		ug/m3	1	10/30/2007
Hexachloro-1,3-butadiene	ND	1.6		ug/m3	1	10/30/2007
Hexane	ND	0.54		ug/m3	1	10/30/2007
Isopropyl alcohol	ND	0.37		ug/m3	1	10/30/2007
m&p-Xylene	59	13		ug/m3	10	10/30/2007
Methyl Butyl Ketone	ND	1.2		ug/m3	1	10/30/2007
Methyl Ethyl Ketone	25	9.0		ug/m3	10	10/30/2007
Methyl Isobutyl Ketone	ND	1.2		ug/m3	1	10/30/2007
Methyl tert-butyl ether	ND	0.55		ug/m3	1	10/30/2007
Methylene chloride	1.9	0.53		ug/m3	1	10/30/2007
o-Xylene	17	6.6		ug/m3	10	10/30/2007
Propylene	ND	0.26		ug/m3	1	10/30/2007
Styrene	ND	0.65		ug/m3	1	10/30/2007
Tetrachloroethylene	3.0	1.0		ug/m3	1	10/30/2007
Tetrahydrofuran	ND	0.45		ug/m3	1	10/30/2007
Toluene	57	5.7		ug/m3	10	10/30/2007
trans-1,2-Dichloroethene	ND	0.60		ug/m3	1	10/30/2007
trans-1,3-Dichloropropene	ND	0.69		ug/m3	1	10/30/2007
Trichloroethene	3000	2.2	E	ug/m3	10	10/30/2007
Vinyl acetate	ND	0.54		ug/m3	1	10/30/2007
Vinyl Bromide	ND	0.67		ug/m3	1	10/30/2007
Vinyl chloride	ND	0.39		ug/m3	1	10/30/2007

NOTES:

E - Estimated value. The amount exceeds the linear working range of the instrument.

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
	JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *01-Nov-07*

CLIENT:	Benchmark Environmental Engineering & S	**Client Sample ID:**	SS-2
Lab Order:	C0710044	**Tag Number:**	313,156
Project:	343 Elk St. PO# 0144-001-100	**Collection Date:**	10/26/2007
Lab ID:	C0710044-003A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **LL**
1,1,1-Trichloroethane	ND	0.83		ug/m3	1	10/30/2007
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	10/30/2007
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	10/30/2007
1,1-Dichloroethane	ND	0.62		ug/m3	1	10/30/2007
1,1-Dichloroethene	ND	0.60		ug/m3	1	10/30/2007
1,2,4-Trichlorobenzene	ND	1.1		ug/m3	1	10/30/2007
1,2,4-Trimethylbenzene	7.8	0.75		ug/m3	1	10/30/2007
1,2-Dibromoethane	ND	1.2		ug/m3	1	10/30/2007
1,2-Dichlorobenzene	ND	0.92		ug/m3	1	10/30/2007
1,2-Dichloroethane	ND	0.62		ug/m3	1	10/30/2007
1,2-Dichloropropane	ND	0.70		ug/m3	1	10/30/2007
1,3,5-Trimethylbenzene	3.4	0.75		ug/m3	1	10/30/2007
1,3-butadiene	ND	0.34		ug/m3	1	10/30/2007
1,3-Dichlorobenzene	ND	0.92		ug/m3	1	10/30/2007
1,4-Dichlorobenzene	ND	0.92		ug/m3	1	10/30/2007
1,4-Dioxane	ND	1.1		ug/m3	1	10/30/2007
2,2,4-trimethylpentane	8.7	0.71		ug/m3	1	10/30/2007
4-ethyltoluene	1.2	0.75		ug/m3	1	10/30/2007
Acetone	35	7.2		ug/m3	10	10/30/2007
Allyl chloride	ND	0.48		ug/m3	1	10/30/2007
Benzene	11	4.9		ug/m3	10	10/30/2007
Benzyl chloride	ND	0.88		ug/m3	1	10/30/2007
Bromodichloromethane	ND	1.0		ug/m3	1	10/30/2007
Bromoform	ND	1.6		ug/m3	1	10/30/2007
Bromomethane	ND	0.59		ug/m3	1	10/30/2007
Carbon disulfide	23	4.7		ug/m3	10	10/30/2007
Carbon tetrachloride	ND	0.96		ug/m3	1	10/30/2007
Chlorobenzene	ND	0.70		ug/m3	1	10/30/2007
Chloroethane	ND	0.40		ug/m3	1	10/30/2007
Chloroform	59	7.4		ug/m3	10	10/30/2007
Chloromethane	ND	0.31		ug/m3	1	10/30/2007
cis-1,2-Dichloroethene	ND	0.60		ug/m3	1	10/30/2007
cis-1,3-Dichloropropene	ND	0.69		ug/m3	1	10/30/2007
Cyclohexane	92	5.2	E	ug/m3	10	10/30/2007
Dibromochloromethane	ND	1.3		ug/m3	1	10/30/2007
Ethyl acetate	110	9.2	E	ug/m3	10	10/30/2007
Ethylbenzene	8.8	6.6		ug/m3	10	10/30/2007
Freon 11	1.7	0.86		ug/m3	1	10/30/2007
Freon 113	2.7	1.2		ug/m3	1	10/30/2007
Freon 114	ND	1.1		ug/m3	1	10/30/2007

Qualifiers:

- B Analyte detected in the associated Method Blank
- E Value above quantitation range
- H Holding times for preparation or analysis exceeded
- J Analyte detected at or below quantitation limits
- JN Non-routine analyte. Quantitation estimated.
- ND Not Detected at the Reporting Limit
- S Spike Recovery outside accepted recovery limits

Centek Laboratories, LLC

Date: *01-Nov-07*

CLIENT:	Benchmark Environmental Engineering & S	**Client Sample ID:**	SS-2
Lab Order:	C0710044	**Tag Number:**	313,156
Project:	343 Elk St. PO# 0144-001-100	**Collection Date:**	10/26/2007
Lab ID:	C0710044-003A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1UG/M3 BY METHOD TO15		**TO-15**				Analyst: **LL**
Freon 12	86	7.5		ug/m3	10	10/30/2007
Heptane	69	6.2		ug/m3	10	10/30/2007
Hexachloro-1,3-butadiene	ND	1.6		ug/m3	1	10/30/2007
Hexane	69	5.4		ug/m3	10	10/30/2007
Isopropyl alcohol	ND	0.37		ug/m3	1	10/30/2007
m&p-Xylene	23	13		ug/m3	10	10/30/2007
Methyl Butyl Ketone	ND	1.2		ug/m3	1	10/30/2007
Methyl Ethyl Ketone	ND	0.90		ug/m3	1	10/30/2007
Methyl Isobutyl Ketone	ND	1.2		ug/m3	1	10/30/2007
Methyl tert-butyl ether	0.62	0.55		ug/m3	1	10/30/2007
Methylene chloride	ND	0.53		ug/m3	1	10/30/2007
o-Xylene	11	6.6		ug/m3	10	10/30/2007
Propylene	ND	0.26		ug/m3	1	10/30/2007
Styrene	26	6.5		ug/m3	10	10/30/2007
Tetrachloroethylene	ND	1.0		ug/m3	1	10/30/2007
Tetrahydrofuran	ND	0.45		ug/m3	1	10/30/2007
Toluene	28	5.7		ug/m3	10	10/30/2007
trans-1,2-Dichloroethene	ND	0.60		ug/m3	1	10/30/2007
trans-1,3-Dichloropropene	ND	0.69		ug/m3	1	10/30/2007
Trichloroethene	61	8.2		ug/m3	10	10/30/2007
Vinyl acetate	ND	0.54		ug/m3	1	10/30/2007
Vinyl Bromide	ND	0.67		ug/m3	1	10/30/2007
Vinyl chloride	ND	0.39		ug/m3	1	10/30/2007

NOTES:

E - Estimated value. The amount exceeds the linear working range of the instrument.

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
	JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *01-Nov-07*

CLIENT:	Benchmark Environmental Engineering & S	**Client Sample ID:**	IA-2
Lab Order:	C0710044	**Tag Number:**	242,58/265
Project:	343 Elk St. PO# 0144-001-100	**Collection Date:**	10/26/2007
Lab ID:	C0710044-004A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.25UG/M3 TCE BY METHOD TO15		**TO-15**				Analyst: **LL**
1,1,1-Trichloroethane	ND	0.83		ug/m3	1	10/30/2007
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	10/30/2007
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	10/30/2007
1,1-Dichloroethane	ND	0.62		ug/m3	1	10/30/2007
1,1-Dichloroethene	ND	0.60		ug/m3	1	10/30/2007
1,2,4-Trichlorobenzene	ND	1.1		ug/m3	1	10/30/2007
1,2,4-Trimethylbenzene	7.9	0.75		ug/m3	1	10/30/2007
1,2-Dibromoethane	ND	1.2		ug/m3	1	10/30/2007
1,2-Dichlorobenzene	ND	0.92		ug/m3	1	10/30/2007
1,2-Dichloroethane	ND	0.62		ug/m3	1	10/30/2007
1,2-Dichloropropane	ND	0.70		ug/m3	1	10/30/2007
1,3,5-Trimethylbenzene	2.2	0.75		ug/m3	1	10/30/2007
1,3-butadiene	ND	0.34		ug/m3	1	10/30/2007
1,3-Dichlorobenzene	ND	0.92		ug/m3	1	10/30/2007
1,4-Dichlorobenzene	ND	0.92		ug/m3	1	10/30/2007
1,4-Dioxane	ND	1.1		ug/m3	1	10/30/2007
2,2,4-trimethylpentane	1.6	0.71		ug/m3	1	10/30/2007
4-ethyltoluene	2.2	0.75		ug/m3	1	10/30/2007
Acetone	110	7.2	E	ug/m3	10	10/30/2007
Allyl chloride	ND	0.48		ug/m3	1	10/30/2007
Benzene	4.6	0.49		ug/m3	1	10/30/2007
Benzyl chloride	ND	0.88		ug/m3	1	10/30/2007
Bromodichloromethane	ND	1.0		ug/m3	1	10/30/2007
Bromoform	ND	1.6		ug/m3	1	10/30/2007
Bromomethane	ND	0.59		ug/m3	1	10/30/2007
Carbon disulfide	ND	0.47		ug/m3	1	10/30/2007
Carbon tetrachloride	0.90	0.96	J	ug/m3	1	10/30/2007
Chlorobenzene	0.89	0.70		ug/m3	1	10/30/2007
Chloroethane	ND	0.40		ug/m3	1	10/30/2007
Chloroform	1.2	0.74		ug/m3	1	10/30/2007
Chloromethane	ND	0.31		ug/m3	1	10/30/2007
cis-1,2-Dichloroethene	ND	0.60		ug/m3	1	10/30/2007
cis-1,3-Dichloropropene	ND	0.69		ug/m3	1	10/30/2007
Cyclohexane	ND	0.52		ug/m3	1	10/30/2007
Dibromochloromethane	ND	1.3		ug/m3	1	10/30/2007
Ethyl acetate	ND	0.92		ug/m3	1	10/30/2007
Ethylbenzene	9.1	0.66		ug/m3	1	10/30/2007
Freon 11	1.9	0.86		ug/m3	1	10/30/2007
Freon 113	ND	1.2		ug/m3	1	10/30/2007
Freon 114	ND	1.1		ug/m3	1	10/30/2007

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *01-Nov-07*

CLIENT:	Benchmark Environmental Engineering & S	**Client Sample ID:**	IA-2
Lab Order:	C0710044	**Tag Number:**	242,58/265
Project:	343 Elk St. PO# 0144-001-100	**Collection Date:**	10/26/2007
Lab ID:	C0710044-004A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.25UG/M3 TCE BY METHOD TO15		**TO-15**				Analyst: **LL**
Freon 12	4.0	0.75		ug/m3	1	10/30/2007
Heptane	2.9	0.62		ug/m3	1	10/30/2007
Hexachloro-1,3-butadiene	ND	1.6		ug/m3	1	10/30/2007
Hexane	13	5.4		ug/m3	10	10/30/2007
Isopropyl alcohol	ND	0.37		ug/m3	1	10/30/2007
m&p-Xylene	23	13		ug/m3	10	10/30/2007
Methyl Butyl Ketone	ND	1.2		ug/m3	1	10/30/2007
Methyl Ethyl Ketone	4.0	0.90		ug/m3	1	10/30/2007
Methyl Isobutyl Ketone	ND	1.2		ug/m3	1	10/30/2007
Methyl tert-butyl ether	ND	0.55		ug/m3	1	10/30/2007
Methylene chloride	0.85	0.53		ug/m3	1	10/30/2007
o-Xylene	7.9	6.6		ug/m3	10	10/30/2007
Propylene	ND	0.26		ug/m3	1	10/30/2007
Styrene	2.1	0.65		ug/m3	1	10/30/2007
Tetrachloroethylene	2.3	1.0		ug/m3	1	10/30/2007
Tetrahydrofuran	ND	0.45		ug/m3	1	10/30/2007
Toluene	18	5.7		ug/m3	10	10/30/2007
trans-1,2-Dichloroethene	ND	0.60		ug/m3	1	10/30/2007
trans-1,3-Dichloropropene	ND	0.69		ug/m3	1	10/30/2007
Trichloroethene	8200	2.2	E	ug/m3	10	10/30/2007
Vinyl acetate	ND	0.54		ug/m3	1	10/30/2007
Vinyl Bromide	ND	0.67		ug/m3	1	10/30/2007
Vinyl chloride	ND	0.39		ug/m3	1	10/30/2007

NOTES:

E - Estimated value. The amount exceeds the linear working range of the instrument.

Qualifiers:	B	Analyte detected in the associated Method Blank	E	Value above quantitation range
	H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
	JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
	S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *01-Nov-07*

CLIENT:	Benchmark Environmental Engineering & S	**Client Sample ID:**	BG
Lab Order:	C0710044	**Tag Number:**	427,41
Project:	343 Elk St. PO# 0144-001-100	**Collection Date:**	10/26/2007
Lab ID:	C0710044-005A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.25UG/M3 TCE BY METHOD TO15		**TO-15**				Analyst: **LL**
1,1,1-Trichloroethane	ND	0.83		ug/m3	1	10/30/2007
1,1,2,2-Tetrachloroethane	ND	1.0		ug/m3	1	10/30/2007
1,1,2-Trichloroethane	ND	0.83		ug/m3	1	10/30/2007
1,1-Dichloroethane	ND	0.62		ug/m3	1	10/30/2007
1,1-Dichloroethene	ND	0.60		ug/m3	1	10/30/2007
1,2,4-Trichlorobenzene	ND	1.1		ug/m3	1	10/30/2007
1,2,4-Trimethylbenzene	0.90	0.75		ug/m3	1	10/30/2007
1,2-Dibromoethane	ND	1.2		ug/m3	1	10/30/2007
1,2-Dichlorobenzene	ND	0.92		ug/m3	1	10/30/2007
1,2-Dichloroethane	ND	0.62		ug/m3	1	10/30/2007
1,2-Dichloropropane	ND	0.70		ug/m3	1	10/30/2007
1,3,5-Trimethylbenzene	ND	0.75		ug/m3	1	10/30/2007
1,3-butadiene	ND	0.34		ug/m3	1	10/30/2007
1,3-Dichlorobenzene	ND	0.92		ug/m3	1	10/30/2007
1,4-Dichlorobenzene	ND	0.92		ug/m3	1	10/30/2007
1,4-Dioxane	ND	1.1		ug/m3	1	10/30/2007
2,2,4-trimethylpentane	ND	0.71		ug/m3	1	10/30/2007
4-ethyltoluene	ND	0.75		ug/m3	1	10/30/2007
Acetone	14	7.2		ug/m3	10	10/30/2007
Allyl chloride	ND	0.48		ug/m3	1	10/30/2007
Benzene	0.97	0.49		ug/m3	1	10/30/2007
Benzyl chloride	ND	0.88		ug/m3	1	10/30/2007
Bromodichloromethane	ND	1.0		ug/m3	1	10/30/2007
Bromoform	ND	1.6		ug/m3	1	10/30/2007
Bromomethane	ND	0.59		ug/m3	1	10/30/2007
Carbon disulfide	ND	0.47		ug/m3	1	10/30/2007
Carbon tetrachloride	0.90	0.96	J	ug/m3	1	10/30/2007
Chlorobenzene	ND	0.70		ug/m3	1	10/30/2007
Chloroethane	ND	0.40		ug/m3	1	10/30/2007
Chloroform	ND	0.74		ug/m3	1	10/30/2007
Chloromethane	ND	0.31		ug/m3	1	10/30/2007
cis-1,2-Dichloroethene	ND	0.60		ug/m3	1	10/30/2007
cis-1,3-Dichloropropene	ND	0.69		ug/m3	1	10/30/2007
Cyclohexane	ND	0.52		ug/m3	1	10/30/2007
Dibromochloromethane	ND	1.3		ug/m3	1	10/30/2007
Ethyl acetate	ND	0.92		ug/m3	1	10/30/2007
Ethylbenzene	0.66	0.66		ug/m3	1	10/30/2007
Freon 11	1.7	0.86		ug/m3	1	10/30/2007
Freon 113	ND	1.2		ug/m3	1	10/30/2007
Freon 114	ND	1.1		ug/m3	1	10/30/2007

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

Centek Laboratories, LLC

Date: *01-Nov-07*

CLIENT:	Benchmark Environmental Engineering & S	**Client Sample ID:**	BG
Lab Order:	C0710044	**Tag Number:**	427,41
Project:	343 Elk St. PO# 0144-001-100	**Collection Date:**	10/26/2007
Lab ID:	C0710044-005A	**Matrix:**	AIR

Analyses	Result	Limit	Qual	Units	DF	Date Analyzed
1UG/M3 W/ 0.25UG/M3 TCE BY METHOD TO15		**TO-15**				Analyst: **LL**
Freon 12	4.5	0.75		ug/m3	1	10/30/2007
Heptane	ND	0.62		ug/m3	1	10/30/2007
Hexachloro-1,3-butadiene	ND	1.6		ug/m3	1	10/30/2007
Hexane	ND	0.54		ug/m3	1	10/30/2007
Isopropyl alcohol	ND	0.37		ug/m3	1	10/30/2007
m&p-Xylene	1.7	1.3		ug/m3	1	10/30/2007
Methyl Butyl Ketone	ND	1.2		ug/m3	1	10/30/2007
Methyl Ethyl Ketone	ND	0.90		ug/m3	1	10/30/2007
Methyl Isobutyl Ketone	ND	1.2		ug/m3	1	10/30/2007
Methyl tert-butyl ether	ND	0.55		ug/m3	1	10/30/2007
Methylene chloride	ND	0.53		ug/m3	1	10/30/2007
o-Xylene	0.79	0.66		ug/m3	1	10/30/2007
Propylene	ND	0.26		ug/m3	1	10/30/2007
Styrene	1.6	0.65		ug/m3	1	10/30/2007
Tetrachloroethylene	ND	1.0		ug/m3	1	10/30/2007
Tetrahydrofuran	ND	0.45		ug/m3	1	10/30/2007
Toluene	3.5	0.57		ug/m3	1	10/30/2007
trans-1,2-Dichloroethene	ND	0.60		ug/m3	1	10/30/2007
trans-1,3-Dichloropropene	ND	0.69		ug/m3	1	10/30/2007
Trichloroethene	ND	0.22		ug/m3	1	10/30/2007
Vinyl acetate	ND	0.54		ug/m3	1	10/30/2007
Vinyl Bromide	ND	0.67		ug/m3	1	10/30/2007
Vinyl chloride	ND	0.39		ug/m3	1	10/30/2007

Qualifiers:

B	Analyte detected in the associated Method Blank	E	Value above quantitation range
H	Holding times for preparation or analysis exceeded	J	Analyte detected at or below quantitation limits
JN	Non-routine analyte. Quantitation estimated.	ND	Not Detected at the Reporting Limit
S	Spike Recovery outside accepted recovery limits		

ATTACHMENT 06b

**PREVIOUS ENVIRONMENTAL INVESTIGATION/
REMEDIATION REPORTS INCLUDED ELECTRONICALLY:**

**Remedial Investigation Report (DRAFT)
Area ABCE Site (Buffalo Color Corp.)
NYSDEC Site No. 915184
MACTEC Engineering and Consulting, Inc. (September 2007)**

**Report on Corrective Measures Study (CMS)
Golder and Associates (January 2000)**

**Final Report on RCRA Facility Investigation (RFI)
Golder Associates (November 1997)**

ATTACHMENT 06b

**PREVIOUS ENVIRONMENTAL INVESTIGATION/
REMEDIATION REPORTS INCLUDED ELECTRONICALLY:**

ATTACHMENT 07

LISTING OF CURRENT & PREVIOUS SITE OWNERS

Attachment 07

Listing of Current & Previous Site Owners

Shield of Armor, LLC
343 Elk Street Site
Brownfield Cleanup Program Application

INTRODUCTION

Reasonable attempts were made to obtain complete previous site owner contact information. In some cases, previous owners complete contact information was not available. In addition to the table below, a copy of the Abtract of Title is included.

The following table lists the previous property owners:

Parcel Address and SBL No.	Date(s)	Relationship to Applicant
343 Elk Street (3.66-acres) – 122.12-1-9.12		
Current Owner		
Elk-Lee, LLC 1669 Hertel Avenue Buffalo, New York (716) 853-2888	2005-present	None
Previous Owners		
Buffalo Color Corporation 100 Lee Street Buffalo New York (production ceased in 2003)	1977-2005	None
Allied Chemical and Dye Corporation (formerly National Aniline Chemical Company)	1917-1977	None
Schoelkopf Aniline & Chemical Works, Inc.	Prior to 1917	None

Property: 343 & 427 Elk Street, Buffalo, New York

Abstract of Title

No.: 500504450

by

TICOR TITLE INSURANCE COMPANY

420 MAIN STREET, SUITE 200
BUFFALO, NEW YORK 14202-3501
(716) 854-2982
FAX: (716) 852-7346

The established leader in quality, service and value.

TICOR TITLE INSURANCE COMPANY
424 MAIN STREET - STE 200, BUFFALO, NY 14202

TAX SEARCH

SEARCH NO. 5005-04450 TITLE INSURANCE NO.:

Property Information

CITY OF BUFFALO

260' x 757' (#427) Elk S W cor Orlando
831' x 724' (#343) Elk S E cor Lee

SBL Number: 122.12-1-12.1 122.12-1-9.1

Assessed Value: $49,205 $250,000 See Tax Sheet Below

TICOR TITLE INSURANCE COMPANY, a California corporation, for a valuable consideration to it paid, hereby guarantees to the record owners and successors in interest of record, that there are no STATE TAX SALES, CITY or COUNTY TAXES, LOCAL ASSESSMENTS or TAX SALES for taxes, now payable, levied and assessed against the real estate described as above on the tax rolls of the City of Buffalo or County of Erie, (Sewer Rents based on water consumption of water charges not included), except as follows:

Date of Sale	For What Tax or Tax Sale	Number of Roll	Name of Purchaser	Amount of Tax Sale/Remarks
NO SEARCH IS MADE FOR OCCUPANCY TAXES OR USER FEES FOR REFUSE PICKUP				
	City Tax 2003	10258350		$2,724.80
	City Tax 2004	10258350		$2,416.81
	City Tax 2005	10258350		$1,909.65
	Buffalo Sewer Authority 2003			$139.22
	Buffalo Sewer Authority 2004			$120.88
	Buffalo Sewer Authority 2005			$99.50
	County Tax 2005	122.12-1-12.1		$226.02
	City Tax 2003	10258250		$21,803.16
	City Tax 2004	10258250		$12,238.59
	City Tax 2005	10258250		$9,702.52
	Buffalo Sewer Authority 2003			1,117.35
	Buffalo Sewer Authority 2004			$614.06
	Buffalo Sewer Authority 2005			$505.52
	County Tax 2005	122.12-1-9.1		$1,148.36

Add Interest Etc.

FOR BOTH PARCELS:

***FOR INFORMATION PURPOSES ONLY:

TICOR TITLE INSURANCE COMPANY

By _____
Authorized Signatory

Dated OCTOBER 10, 1950

kaf

TAXS

COUNTY FINANCE RECORDS SHOW THAT THE FOLLOWING YEAR HAS GONE TO COLLECTION:

COUNTY TAX 2004

NO INFORMATION GIVEN FOR AMOUNTS OR PAYMENTS. PLEASE CALL XSPAND INC @1-866-827-6902

TICOR TITLE INSURANCE COMPANY
424 MAIN STREET - STE 200, BUFFALO, NY 14202

SEARCH NO. 5005-04450

A California corporation, for a valuable consideration to it paid, GUARANTEES to the record owners of an interest in or a specific lien upon the premises particularly described below on the date hereof and their successors in interest of record, that the SET-OUTS designated herein by marginal numbers One to 42 inclusive, are all the references affecting title to said premises, which appear upon

(a) INDICES to records, papers, files and documents in the office of the CLERK of the COUNTY wherein said premises are situate, and

(b) INDICES to wills and administration of decedent's estates in the office of the SURROGATE of the COUNTY wherein said premises are situate, and

(c) INDICES to bankrupts in the office of CLERK of the UNITED STATES BANKRUPTCY COURT for the WESTERN DISTRICT OF NEW YORK

against the names of the parties appearing in the within abstract during the periods in which it appears there was a record interest in said premises under said names from July 20, 1917 to the date hereof, and upon

(d) JUDGMENT DOCKETS for ten years last past, and

(e) DOCKETS of FEDERAL LIENS for ten years and thirty days last past

against the names of the parties in such ownership in the office of the Clerk of the County wherein said premises are situate and the corporation GUARANTEES FURTHER that the SET-OUTS HEREIN are correct statements as to such records and indices.

(f) Inactive Hazardous Waste Disposal Site Registry Index maintained in the County Clerk's Office for the County in which the Subject Premises is located against the tax map parcel number of the section, block and lot number of the Subject Premises.

The Guaranty under this Certificate shall not be limited by time.

Dated this 20th day of December, 2005, 3:19 P.M. and executed under seal.

TICOR TITLE INSURANCE COMPANY

By _____
Authorized Signature

TICOR TITLE INSURANCE COMPANY

CERT

TICOR TITLE INSURANCE COMPANY

SEARCH NO. 5005-04450

All that tract or parcel of land situate in the City of Buffalo, County of Erie and State of New York, being part of Lot Nos. 133, 195 and 196 of the Buffalo Creek Reservation Survey in Township 10, Range 8 of the Holland Land Company's Survey, described as follows:

Beginning at a point in the southerly right of way bounds of Elk Street being 66 feet in width, distant 85.00 feet easterly of the intersection of the said southerly right of way bounds of Elk Street with the easterly right of way bounds of Lee Street, being 60 feet in width as measured along the said southerly right of way bounds of Elk Street; thence easterly along the said southerly right of way bounds of Elk Street a distance of 746.47 feet to the former westerly right of way bounds of Maurice Street, now abandoned; thence southerly along the said formerly westerly right of way bounds of Maurice Street a distance of 197.00 feet to a point; thence westerly parallel with the aforementioned southerly right of way bounds of Elk Street a distance of 831.47 feet to a point in the aforementioned easterly right of way bounds of Lee Street; thence northerly along the said easterly right of way bounds of Lee Street a distance of 144.00 feet to a point; thence easterly parallel with the aforesaid southerly right of way bounds of Elk Street a distance of 85.00 feet to a point; thence northerly parallel with the said easterly right of way bounds of Lee Street a distance of 53.00 feet to the point of beginning

- - - - - - - - - - - - - - - - -

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1. The Buffalo Chemical Works
NO SEARCH VS FIRST PARTY

-To-

The Brush Electric Light Company
NO SEARCH VS SECOND PARTY
THIS EASEMENT SET OUT
FOR REFERENCE ONLY

Easement
Dated: May 19, 1888
Ack: May 19, 1888
Rec.: May 24, 1888
Liber 534 **of Deeds, page** 318

Grants the right in perpetuity to lay and maintain and water pipe extending from the premises conveyed to the party of the second part situate northerly of Prenatt Street and adjacent to the premises of the party of the first part in the City of Buffalo from the northerly line of lands of the party of the first part to Buffalo River

---

2. Schoellkopf Aniline &
Chemical Works, Inc.
NO SEARCH VS GRANTOR
-To-

National Aniline &
Chemical Company, Inc.

Warranty Deed

Dated: July 20, 1917
Ack.: July 20, 1917
Rec.: August 27, 1917
Liber 1394 **of Deeds page** 188
Consideration: $1.00 and more

Conveys the following described premises:- Beginning at the point of intersection of the southerly line of Elk Street with the easterly line of Lee Street; running thence at right angles southerly and along the easterly line of Lee Street 724.42 feet to the intersection of said easterly line of Lee Street with the northerly line of Prenatt Street; thence easterly and along the northerly line of Prenatt 172.16 feet to the easterly line of Lot No. 133 of the Lovejoy and Emslie survey of a part of the Buffalo Creek Reservation, which point is 33.82 feet northerly from the southeasterly corner of said lot;

running thence northerly and along the easterly line of said Lot No. 133, 762.05 feet to a point in the southerly line of Elk Street distant 168 feet easterly from the intersection of said southerly line of Elk Street with the easterly line of Lee Street; running thence westerly and along the southerly line of Elk Street 168 feet to the place of beginning

---

3. Louis H. Pink, as Liquidator of Title & Mortgage Guarantee Co. of Buffalo, by Walter M. DeLaPlante, Special Deputy Superintendent
NO SEARCH VS GRANTOR

Deed
Dated: November 4, 1938
Ack: November 4, 1938
Rec.: November 14, 1938
Liber 2831 **of Deeds, page** 62
Consideration: $32,500.00

-To-

Same

Conveys part of Lot Nos. 195 and 196, Township 10, Range 8, described as follows: Beginning at a point in the south line of Elk Street distant 86 feet easterly from the intersection of the south line of Elk Street with the west line of said Lot No. 195; running thence easterly along the south line of Elk Street 522 feet to a point therein distant 55 feet westerly from its intersection with the west line of Maurice Street; thence southerly parallel with the west line of Maurice Street, 124 feet; thence easterly parallel with the south line of Elk Street 55 feet to the west line of Maurice Street; thence southerly along the west line of Maurice Street 30 feet; thence westerly parallel with the south line of Elk Street 105 feet; thence southerly parallel with the west line of Maurice Street 210 feet; thence easterly parallel with the south line of Elk Street 105 feet to the west line of Maurice Street; thence southerly along the west line of Maurice Street 150 feet; thence westerly parallel with the south line of Elk Street 105 feet; thence southerly parallel with the west line of Maurice Street 24.284 feet to the north line of lands conveyed by G. Elias & Bro. Incorporated to Elmer E. Harris & Company by deed dated May 1, 1920 and recorded in liber 1486 of Deeds at page 291; thence westerly parallel with the south line of Elk Street 235 feet to a point; thence southwesterly in a direct line about 40.84 feet to the northeast corner of lands conveyed by William H. Foote and Elmer E. Harris to Gabriel Elias and Abraham J. Elias, co-partners, etc. by deed recorded in liber 1141 of Deeds at page 328; thence southerly 180 feet to a point on the north line of Prenatt Street 312 feet east from its intersection with the west line of Lot No. 105; thence westerly along the north line of Prenatt Street 217 feet to a point therein 95 feet east of its intersection with the west line of Lot No. 195; thence northerly 757.02 feet to the south line of Elk Street at the point of beginning
Recites this conveyance is made, executed and delivered pursuant to an Order of the Supreme Court of Erie County in a proceeding entitled "In the Matter of the Liquidation of Title & Mortgage Guarantee Co. of Buffalo" made and entered in Erie County Clerk's Office on the 4th day of November, 1938 and which order also approves said above mentioned agreement for easement

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4. Albert Schelosky and Louise Schelosky, his wife
NO SEARCH VS GRANTORS
-To-

Same

Warranty Deed

Dated: March 17, 1941
Ack.: March 17, 1941
Rec.: March 17, 1941
Liber 3082 **of Deeds page** 559
Consideration: $1.00 and more

Conveys the following described premises:- Commencing at a point in the westerly line of Maurice Street at the distance of 184 feet southerly from the intersection of the southerly line of Elk Street with the westerly line of Maurice Street; thence at right angles westerly and along a line parallel with Elk Street 105 feet; thence at right angles southerly and along a line parallel with Maurice Street (said line being an easterly line of premises owned by the party of the second part) 30 feet; thence at right angles easterly and along a line parallel with Elk Street 105 feet to said westerly line of Maurice Street and thence at right angles northerly and along said westerly line of Maurice Street 30 feet to the place of beginning, together with all the right, title and interest of the parties of the first part in and to Maurice Street upon which the above described premises abut

---

5. Anna M. Gilbert, being the widow and survivor of John F. Gilbert, deceased
NO SEARCH VS GRANTOR

-To-

Same

Warranty Deed
Dated: March 17, 1941
Ack.: March 17, 1941
Rec.: March 18, 1941
Liber 3083 **of Deeds page** 204
Consideration: $1.00 and more

Conveys the following described premises:- Beginning at a point in the southerly line of Elk Street at the distance of 27 feet westerly of its intersection with the westerly line of Maurice Street; thence southerly parallel with Maurice Street 124 feet; thence westerly along the northerly line of premises now owned by the party of the second part 28 feet; thence northerly parallel with Maurice Street and along the easterly line of premises now owned by the party of the second part 124 feet; thence at right angles easterly along the said southerly line of Elk Street 28 feet to the place of beginning, together with all the right, title and interest of the party of the first part in and to Elk Street upon which the above described premises abut

---

6. Irish-American Savings and Loan Association
NO SEARCH VS GRANTOR
-To-

Same

Warranty Deed

Dated: March 18, 1941
Ack.: March 18, 1941
Rec.: March 18, 1941
Liber 3083 **of Deeds page** 308
Consideration: $1.00 and more

Conveys the following described premises:- Commencing at a point in the southerly line of Elk Street 27 feet westerly of the westerly line of Maurice Street; thence southerly parallel with Maurice Street 124 feet; thence easterly and parallel with Elk Street along the northerly line of premises now owned by the party of the second part, 27 feet; thence northerly and along said westerly line of Maurice Street 124 feet; thence westerly and along the said southerly line of Elk Street 27 feet to the place of beginning, together with all right, title and interest of the party of the first part in and to Elk Sreet and Maurice Street upon which streets the above described premises abut

---

7. Pearl S. Elias, being the widow of and sole devisee under the Last Will and Testament of Abraham J. Elias, deceased

Warranty Deed
Dated: March 18, 1941
Ack.: March 18, 1941
Rec.: March 18, 1941

NO SEARCH VS GRANTOR

Liber 3083 **of Deeds page** 339
Consideration: $1.00 and more

-To-

Same

Conveys part of Lot No. 196 upon a certain map subdividing part of said lot and more recorded in liber 428 of Deeds at page 155, is known as Subdivision Lot No. 110, described as follows: Commencing at a point in the westerly line of Maurice Street at the distance of 154 feet southerly from its intersection with the southerly line of Elk Street; thence westerly and on a line parallel with Elk Street (said line being a southerly line of premises owned by the party of the second part) 105 feet; thence southerly on a line parallel with Maurice Street (said line being an easterly line of premises owned by the party of the second part) 30 feet; thence easterly on a line parallel with Elk Street 105 feet to the said westerly line of Maurice Street and thence northerly along said westerly line of Maurice Street 30 feet to the place of beginning, together with all the right, title and interest of the party of the first part in and to Maurice Street upon which the above described premises abut

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8. In re
National Aniline and
Chemical Co.
Case No. 9213

Certificate of Incorporation

Dated: ----
Filed: July 6, 1906
in Erie County Clerk's Office

---

9. In Re
Certificate of Ownership
by Allied Chemical & Dye
Corporation of the capital
stock of National Aniline &

Company, Inc.

Certificate

Dated: October 31, 1941
Filed: October 31, 1941 in

Secretary State's Office Chemical

Filed: June 6, 1942 in
Erie County Clerk's Office
Liber 109 of **Certificates**
of Incorporation, page 415

Certifies that pursuant to Section 85 of the Stock Corporation Law, Allied Chemical & Dye Corporation is the owner of all of the stock of National Aniline & Chemical Company, Inc. and assumes all of its obligations thereof

---

Note:- We find no deed of that part of premises conveyed by deeds recorded in liber 1394 of Deeds at page 188, liber 2831 of Deeds at page 62, liber 3082 of Deeds at page 559, liber 3083 of Deeds at page 204, liber 3083 of Deeds at page 308 and liber 3083 of Deeds at page 339 out of National Aniline & Chemical Company, Inc. nor into Allied Chemical & Dye Corporation on record. This certificate includes an examination against the name National Aniline & Chemical Company, Inc. to June 30, 1977

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10. General Chemical Company
NO SEARCH VS GRANTOR

Quit Claim Deed

-To-

Allied Chemical &
Dye Corporation

Dated: August 13, 1942
Ack: August 13, 1942
Rec.: August 31, 1942

Liber 3293 **of Deeds, page** 307
Consideration: $10.00

Conveys part of Lot No. 195, described as follows: Beginning at a point in the south line of Elk Street where the west line of said Lot No. 195 intersects with the same; running thence easterly along the south line of Elk Street 86 feet; thence southerly 757 feet more or less to the north line of Prenatt Street at a point distant 95 feet easterly from the west line of said Lot No. 195; thence westerly and along the north line of Prenatt Street 95 feet to the westerly line of said lot; and thence northerly along the west line of said lot, 757 feet more or less to the south line of Elk Street at the place of beginning

---

Note:- We find no Certificate of Incorporation for Allied Chemical & Dye Corporation on record

---

11. In re
Allied Chemical & Dye Corporation
Case No. 50492

Certified Copy of Certificate of Change of Name
Dated: April 28, 1958
Filed in the Office of Secretary of State April 28, 1958
and filed in Erie County Clerk's Office June 3, 1971

Recites the new name to be assumed by this corporation is Allied Chemical Corporation

---

12. Allied Chemical & Dye Corporation (National Aniline Division)

-with-

Buffalo Niagara Electric Corporation
NO SEARCH VS SECOND PARTY

Agreement

Dated: April 21, 1948
Ack: April 21, 1948
Rec.: May 26, 1948
Liber 4329 **of Deeds**, page 240

Recites the party of the first part agrees to construct on, in and under property owned by it situated at the southeast corner of Elk and Lee Streets in the City of Buffalo, New York, a conduit and a minimun of six ducts extending from a point on the east side of Lee Street approximately 24 feet south of the south line of Elk Street to a point on the south line of Elk Street approximately 240 feet easterly from the east line of Lee Street, as more fully shown outlined in yellow on blue print attached hereto and made a part hereof See terms and conditions

---

13. Niagara Mohawk Power Corporation
NO SEARCH VS FIRST PARTY

Release

Dated: October 27, 1950

-To-

Allied Chemical & Dye
Corporation

Ack: October 27, 1950
Rec.: November 2, 1950

Liber 4818 **of Deeds, page** 421

Recites that party of the first part herein has succeeded to all of the rights granted to the Brush Electric Light Company of Buffalo in an easement recorded in liber 534 of Deeds at page 318; that said easement and all rights contained therein are no longer used by or useful to the party of the first part; that party of the second part herein is the owner of lands and premises formerly owned by The Buffalo Chemical Works, the grantor in said easement; that the party of the first part herein hereby releases unto the party of the second part herein all right, title and interest in and to any and all water and discharge pipes so that the party of the second part herein will own and hold said lands free and clear from said easement and right of way

---

14. The City of Buffalo
NO SEARCH VS GRANTOR

Quit Claim Deed

Dated: April 9, 1954
Ack: April 9, 1954
Rec.: June 3, 1954

-To-

Same

Liber 5537 **of Deeds, page** 222
Consideration: $500.00

Conveys part of Lot No. 196, Township 10, Range 8 and further distinguished as part of Maurice Street as shown on a map recorded in liber 428 of Deeds at page 155, described as follows: Beginning at the point of intersection of the southerly line of Elk Street with the easterly line of what was formerly Maurice Street, said point being distant westerly 510 feet record and 515.85 feet measured from the intersection of the said southerly line of Elk Street with the westerly line of Babcock Street; running thence southerly along the easterly line of what was formerly Maurice Street 757 feet more or less to the northerly line of Prenatt Street; thence westerly along the said northerly line of Prenatt Street 50 feet more or less to the point of intersection of the northerly line of Prenatt Street with the westerly line of what was formerly Maurice Street; thence northerly along what was formerly the westerly line of Maurice Street 757 feet more or less to the southerly line of Elk Street; thence easterly along the southerly line of Elk Street 50 feet more or less to the point or place of beginning, together with all the right, title and interest of the City of Buffalo in and to the water mains heretofore installed by the City of Buffalo within the boundary lines of the premises above described
Recites it being the intention to convey hereby all the right, title and interest of the City of Buffalo in and to that part of Maurice Street as shown on the map recorded in liber 428 of Deeds at page 155 lying between the northerly line of Prenatt Street and the southerly line of Elk Street

---

15. Allied Chemical Corporation

Easement

Dated: June 17, 1963
Ack: July 1, 1963
Rec.: September 18, 1963

-To-

The City of Buffalo
NO SEARCH VS SECOND PARTY

Liber 6930 **of Deeds, page** 220

Grants a permanent right of way and easement for the purpose of constructing, operating, maintaining etc. a water works system over, under, across and upon grantor's lands, being part of the Buffalo River Improvement Project

---

16. Allied Chemical Corporation
successor to Allied Chemical
& Dye Corporation

-To-

Niagara Mohawk Power Corporation
NO SEARCH VS SECOND PARTY

Easement

Dated: August 11, 1970
Ack: August 11, 1970
Rec.: September 8, 1970

Liber 7724 **of Deeds, page** 149

Grants the right and privilege to place, operate, maintain and remove the necessary poles, conduits etc. for the purpose of erecting and operating electric lines in, under, upon, over and across grantor's lands situate in the City of Buffalo, County of Erie and State of New York, being part of Lot No. 196, Township 10, Range 8, described as follows: Beginning at the point of intersection of the southerly line of Elk Street with the westerly line of what was formerly Maurice Street, said point being distant westerly 560 feet record and 565.85 feet measured from the intersection of the said southerly line of Elk Street with the westerly line of Babcock Street; running thence southerly along the westerly line of former Maurice Street 757 feet to the northerly line of Prenatt Street; thence easterly along the northerly line of Prenatt Street 13 feet to a point; thence northerly parallel with the westerly line of former Maurice Street 757 feet to the southerly line of Elk Street; thence westerly along the southerly line of Elk Street 13 feet to the place of beginning

---

17. Allied Chemical Corporation

-To-

Onondaga County Industrial
Development Agency
NO SEARCH VS SECOND PARTY

Easement

Dated: December 16, 1974
Ack: December 16, 1974
Rec.: December 19, 1974

Liber 8239 **of Deeds, page** 351

Grants a permanent easement over, under, upon and across grantor's lands herein called the "Project Area" which is described in a lease agreement between the parties herein dated November 1, 1974
Said easement will affect lands of the grantor herein as described in a deed recorded in liber "**32923**" of Deeds at page 307
See terms and conditions herein

---

18. Same

-To-

Harmon Colors Corporation

NO SEARCH VS SECOND PARTY

Assignment

Dated: January 17, 1977
Ack: January 17, 1977
Rec.: January 25, 1977
Liber 8477 **of Deeds**, page 239

Assigns: all right, title and interest in and to all such equipment and

machinery located in Buildings 25 and 61 at 340 Elk Street, Buffalo, N.Y.

---

19. Same

-To-

Buffalo Color Corporation

Deed

Dated: June 24, 1977
Ack: June 24, 1977
Rec.: June 30, 1977

Liber 8524 **of Deeds, page** 441
Consideration: $10.00 and more

Conveys premises and more, subject to the rights of the City of Buffalo with respect to utilities in, above and below surface of former Maurice Street, affecting premises and more, easement recorded in liber 7724 at page 149, easement recorded in liber 8239 at page 351 (grantor represents that this easement was created in error, it having been the intention of grantor and the Development Agency to create an easement on other lands of grantor south of Tract E; grantor represents and warrants to grantee that it shall take reasonable efforts to secure the discharge or release of the above-mentioned easement by the Onondaga County Industrial Development Agency, and that if successful, grantor will, at its cost and expense record the instrument of discharge or release) and possible encroachments by City of Buffalo by virtue of viaducts and retaining walls as shown on surveys of Ray L. Sonnenberger, Land Surveyor dated December 31, 1976 and April 5, 1977

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20. Buffalo Color Corporation

-To-

Allied Chemical Corporation

Covers: premises and more

Mortgage for $13,000,000.00
Dated: June 30, 1977
Ack.: June 30, 1977
Rec.: June 30, 1977
Liber 7879 **of Mortgages, page** 169

---

21. Allied Chemical Corporation

-with-

Onondaga County Industrial Development Agency

Easement Modification Agreement

Dated: June 30, 1977
Ack: June 30, 1977
Rec.: July 11, 1977
Liber 8529 **of Deeds**, page 301

Recites parties agree Exhibit A of the Grant of Easement recorded in liber 8239 of Deeds at page 351 is hereby amended by deleting therefrom following the caption "Buffalo Chemical Plant" all references to that certain deed recorded in liber 3293 of Deeds at page 307; the Agency, by execution of this agremeent, does hereby surrender, terminate, abandon and relinquish any and all right, title and interest in and to the lands described in said deed, which it now or at any time might have had as a result of said grant of easement

---

22. Same

Assignment

Dated: July 9, 1979

-To-

Chemical Bank

Ack: July 9, 1979
Rec.: July 13, 1979
Liber 8196 **of Mortgages**, page 643

Assigns: a mortgage recorded in liber 7879 of Mortgages at page 169

---

23. Buffalo Color Corporation

-with-

Same

Agreement

Dated: July 10, 1979
Ack: July 10, 1979
Rec.: July 13, 1979
Liber 8807 **of Deeds**, page 623

Modifies the terms of a mortgage recorded in liber 7879 of Mortgages at page 169

---

24. Chemical Bank

-To-

Aetna Life Insurance Company

Assignment

Dated: January 25, 1980
Ack: January 25, 1980
Rec.: January 29, 1980
Liber 8271 **of Mortgages**, page 216

Assigns: a mortgage recorded in liber 7879 of Mortgages at page 169

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25. Buffalo Color Corporation

-To-

Same

Mortgage, Consolidation Agreement and Assignment of Rents
For $3,000,000.00
Dated: January 29, 1980
Ack.: January 29, 1980
Rec.: January 29, 1980
Liber 8271 **of Mortgages, page** 218

Covers: premises and more
Recites this mortgage is hereby consolidated with the lien of a mortgage recorded in liber 7879 of Mortgages at page 169, which mortgage was thereafter assigned in liber 8196 of Mortgages at page 643 and modified by an agreement recorded in liber 8807 of Deeds at page 623, hereby forming a new first lien in the amount of $15,000,000.00, also hereby assigns all rents now due or to become due as additional security on premises and more
See terms and conditions herein

---

26. Same

-with-

Same

Agreement

Dated: **"December 1,"** 1984
Ack: November 26, 1984
Rec.: December 7, 1984
Liber 9002 **of Deeds**, page 375

Modifies the terms of a mortgage recorded in liber 7879 of Mortgages at page 169

---

27. In re
Aetna Life Insurance Company

Certificate of Redemption
Dated: October 31, 1985
Ack.: October 31, 1985
Rec.: November 12, 1985
Liber 9508 **of Deeds page** 636

Recites that there is now owing and unpaid upon consolidated mortgages a principal sum of $6,250,000.00

---

28. Onondaga County Industrial Development Agency

-To-

Allied Corporation formerly Allied Chemical Corp.

Release

Dated: March 16, 1987
Ack: March 16, 1987
Rec.: May 4, 1987

Liber 9707 **of Deeds, page** 685

Recites party of the first part hereby surrenders and terminates all right, title and interest to the property of the party of the second part relating to the lease of certain pollution control equipment and industrial machinery and equipment

---

29. Aetna Life Insurance Company

-To-

BCC Investments Co., Inc.

Assignment

Dated: May 5, 1987
Ack: May 5, 1987
Rec.: June 12, 1987
Liber 9704 **of Mortgages**, page 38

Assigns: a mortgage recorded in liber 7879 of Mortgages at page 169

---

30. **Affidavit**

-of-

T.J. Wlodarczak

Affidavit

Sworn to June 7, 1989
Rec: June 22, 1989

Liber 10037 **of Deeds**, page 628

Recites: he is the general manager for operations of Buffalo Color Corporation with offices at 100 Lee Street, Buffalo, New York: that he is familiar with certain real property owned by Buffalo Color Corporation which is commonly known as 100 Lee Street and 340 Elk Street in the City of Buffalo, New York which real property is more particularly described in a certain deed,

which upon information and belief, was recorded in liber 8524 of Deeds at page 44 (the "Property"): that the property has been used to manage hazardous wastes as such term is defined by state and federal law: that the property's use is restricted by state law and applicable regulation, to wit:- 6 NYCRR SS 373-3.7: that concurrent with the recording of this affidavit, a survey of the property prepared by Ray L. Sonnenberger dated April 21, 1989 and being Job Number 89-263 has been filed in the Office of the Erie County Clerk and a record of the type, location and quantity of hazardous wastes disposed of within each cell or other hazardous waste unit on the property has also been filed with the local zoning authority of the City of Buffalo and with the Commissioner of the New York State Department of Environmental Conservation (see Schedule A for record of such wastes): that this affidavit is made and has been recorded in the Office of the Erie County Clerk, filed with the local zoning authority of the City of Buffalo and the Commissioner of the New York State Department of Environmental Conservation, to provide any potential purchaser with perpetual notice of the prior use and restrictions on future use of the property and the undersigned requests that the Erie County Clerk place a notation on the deed noted above to refer to this affidavit

---

31. **In re**
Registry of Inactive Hazardous
Waste Disposal Sites Pursuant to
Real Property Law Section 316-b

Register of Inactive Hazardous Waste Disposal Sites
Dated: April 30, 1993
Rec: June 13, 1993
Liber 2453 **of Deeds, page** 73

Lists Site No. 915012A owned by Buffalo Color, page No. 9-93
See 1993 Annual Report for further information

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32. **In re**
Registry of Inactive Hazardous
Waste Disposal Sites Pursuant to
Real Property Law Section 316-b

Register of Inactive Hazardous Waste Disposal Sites
Dated: April 30, 1993
Rec: June 13, 1993
Liber 2453 **of Deeds, page** 73

Lists Site No. 915012B owned by Buffalo Color page No. 9-95
See 1993 Annual Report for further information

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33. Buffalo Color Corp.

-To-

Niagara Mohawk Power Corporation
NO SEARCH VS SECOND PARTY

Easement

Dated: June 28, 1995
Ack: June 28, 1995
Rec.: July 12, 1995

Liber 10888 **of Deeds, page** 3087

Grants the perpetual right and privilege to install a guy wire and other appurtenances incident to electric facilities which may be necessary for the transmission and distribution of electric energy upon, over and across the parcel of land known as 343 Elk Street, Buffalo, N.Y. (SBL "#122.12-1-**99.1**")

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34. Buffalo Color Corporation
Salaried Employees Pension Plan

Notice of Tax Lien
Amount $1,846,440.00

c/o Pension Benefit Guaranty Corporation
1200 K. Street N.W.
Washington, D.C.
vs
Buffalo Color Corporation
100 Lee Street
Buffalo, N.Y.

Filed in Erie County Clerk's Office September 13, 2002
Q108 4553
Control #200209130546

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35. Buffalo Color Corporation Hourly Employees Pension Plan
c/o Pension Benefit Guaranty Corporation
1200 K. Street N.W.
Washington, D.C.
vs
Same

Notice of Tax Lien
Amount $1,412,946.00
Filed in Erie County Clerk's Office September 13, 2002
Q108 4557
Control #200209130554

NOTE:- No search is made against the lienor in Nos. 34 and 35 above

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36. **In re**
Buffalo Color Corporation,
bankrupt
Chapter 11

Petition in Bankruptcy No. BK02-16027
Filed: October 1, 2002
For further proceedings see United States District Court

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37. Buffalo Color Corporation

-To-

Honeywell International, Inc.
NO SEARCH VS SECOND PARTY

Easement

Dated: May 15, 2003
Ack: May 15, 2003
Rec.: August 20, 2003

Liber 11051 **of Deeds, page** 9790

Recites parties hereto agree that Honeywell's right of access to the Buffalo Color Corporation Plant Site described herein pursuant to this agreement shall survive Buffalo Color Corporation's bankruptcy proceedings etc. See terms and conditions herein

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38. In re
Buffalo Color Corporation,
debtor

Order
Dated: June 25, 2002
Rec.: August 20, 2003
Liber 11051 **of Deeds page** 9769

Ordered that the Chapter 11 debtor-in-possession, Buffalo Color

Corporation, is hereby granted the entry of an Order pursuant to 11 USC SS 363, authorizing the Debtor to enter into a Site Access and Cooperation Agreement with Honeywell International, Inc. ("Honeywell"), a copy of which is attached as Exhibit A to the debtor's motion; and this matter having come before the court for a hearing on June 25, 2003, and no party having appeared in opposition to this motion at that time, it is hereby ordered that the debtor's motion is granted, and the debtor is authorized to enter into the Site Access and Cooperation Agreement with Honeywell

---

39. Erie County

-To-

Manufacturers and Traders
Trust Company, as custodian

Tax Lien Certificate

Dated: December 29, 2004
Ack: December 29, 2004
Rec.: December 29, 2004

Liber 11088 **of Deeds, page** 5266

Sells, transfers and assigns all right, title and interest in and to certain tax liens or encumbrances on real property arising for an unpaid tax etc. for properties at 343 Elk Street, Buffalo, N.Y., SBL #122.12-1-9.1 for tax year 2004 in the amount of $2199.67 and 427 Elk Street, Buffalo, N.Y., SBL #122.12-1-12.1 for tax year 2004 in the amount of $275.86
Owner:- Buffalo Color Corporation

---

40. Honeywell International, Inc.
to
Buffalo Color Corporation

Notice of Order
Dated: May 4, 2005
Rec.: May 5, 2005
Liber 11094 **of Deeds page** 7928

Recites grantor herein has entered into an Order of Consent (Index #B9-0512-0105) with the New York State Department of Environmental Conservation pursuant to Article 27, Title 13 and Article 71, Title 27 of the Environmental Conservation Law in order to address the environmental conditions at or migrating from the site as shown on Exhibit "A" attached hereto

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Klw
November 4, 2005
PH

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41. **Affidavit**

-of-

Daniel Cich

Affidavit

Sworn to December 16, 2005
Rec: December 20, 2005

Liber 11106 **of Deeds**, page 9017

Recites: that his attention has been called to a mortgage given by Buffalo Color Corporation to Allied Chemical Corporation to secure payment of $13,000,000.00 and interest and recorded in liber 7879 of Mortgages at page 169: that said mortgage was assigned to Chemical Bank by an assignment recorded

in liber 8196 of Mortgages at page 643: that said mortgage was modified by an agreement recorded in liber 8807 of Deeds at page 623: that said mortgage was further assigned to Aetna Life Insurance Company by an assignment recorded in liber 8271 of Mortgages at page 216: that his attention has also been called to a mortgage in the amount of $3,000,000.00 and interest given by Buffalo Color Corporation to Aetna Life Insurance Company recorded in liber 8271 of Mortgages at page 218: that the above two mortgages were consolidated by the terms of the new mortgage to form a single lien in the amount of $15,000,000.00 and interest: that the mortgages as consolidated were modified by an agreement recorded in liber 9002 of Deeds at page 375: that the mortgage recorded in liber 7879 of Mortgages at page 169 was assigned to BCC Investments Co., Inc. by an assignment recorded in liber 9704 of Mortgages at page 38: that it was intended that both mortgages as consolidated were to be assigned to BCC Investments Co., Inc.: that both mortgages were paid in full but apparently no Discharge of Mortgage was ever recorded: that no payments have been made for more than the past 8 years and that no demand for payment has been made

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42. Buffalo Color Corporation

-To-

Elk-Lee, LLC

Bargain and Sale Deed

Dated: December 16, 2005
Ack: December 16, 2005
Rec.: December 20, 2005
Liber 11106 **of Deeds**, page 9019

NO SEARCH VS GRANTEE

Conveys: premises, subject to all restrictions and covenants of record including those contained in the "Buffalo Color Corp. Site Access and Cooperation Agreement" recorded in liber 11051 of Deeds at page 9790
Recites this sale was ordered by the Honorable Michael J. Kaplan, United States Bankruptcy Judge on October 19, 2005 in Case No. 02-16027-K: a copy of said order is attached hereto

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hab
December 20, 2005, 3:19 P.M.
KJP

	Type of Tax	Lien Date	Fiscal
Buffalo (Assessor's Office - 851-5733)	City	About June 19	July 1
	County	January 1	January 1
	Sewer	July 1	July 1
Lackawanna (Treasurers Certificates may be obtained at Lackawanna City Hall 827-6471) City Hall, Ridge Rd., Lackawanna, N.Y. 14218	City	January 1	January 1
	County	January 1	January 1
	School	September 1	July 1
City of Tonawanda (Treasurers Certificates may be obtained at Tonawanda City Hall 695-1800) City Hall, 200 Niagara St., Tonawanda, N.Y. 14150	City	March 15	January 1
	County	January 1	January 1
	School	September 1	July 1
All Towns	School	September 1	July 1
	County	January 1	January 1
Villages	Village	June 1	June 1

To obtain a Treasurers Certificate contact	Treasurers Office	Phone No.
Akron	PO Box 180, 21 Main St., 14001	542-9636
Alden	13336 Broadway, 14004	937-9216
Angola	41 Commercial St., 14006	549-1126
Blasdell	121 Miriam Ave., 14219	822-1921
Depew	85 Manitou Street, 14043	683-7451
East Aurora	571 Main St., 14052	652-6000
Farnham	526 Commercial, 14061	549-0890
Gowanda	27 E. Main St., 14070	532-3353
Hamburg	100 Main St., 14075	649-0200
Kenmore	Room 17, Municipal Bldg., 2919 Delaware, 14217	873-5700
Lancaster	5423 Broadway, 14086	683-2105
North Collins	10543 Main St., 14111	337-3160
Orchard Park	S-4295 S. Bflo., 14127	662-9327
Sloan	425 Reiman St., 14212	

ATTACHMENT 08

LISTING OF CURRENT & PREVIOUS SITE OPERATORS

Attachment 08

Listing of Current and Previous Site Operators

Shield of Armor, LLC
343 Elk Street Site
Brownfield Cleanup Program Application

INTRODUCTION

Reasonable attempts were made to obtain complete previous site operator contact information. In some cases, previous operators complete contact information was not available.

The following table lists the previous property operators:

Parcel Address and SBL No.	Date(s)	Relationship to Applicant
343 Elk Street (3.6-acres) – 122.12-1-9.12		
Current Operator		
Armor Electric Motor and Crane Services, Inc. 224 Elk Street Buffalo NY 14210 716-825-0190	2007-present	None
Previous Operators		
Elk-Lee, LLC 1669 Hertel Avenue Buffalo, New York (716) 853-2888	2005-2007	None
Buffalo Color Corporation 100 Lee Street Buffalo New York (production ceased in 2003)	1977-2005	None
Allied Chemical Corporation (formerly National Aniline Chemical Company)	1917-1977	None
Schoelkopf Aniline & Chemical Works, Inc.	Prior to 1917	None

ATTACHMENT 09

CONTACT LIST INFORMATION

Attachment 09

Contact List Information

Shield of Armor, LLC
343 Elk Street Site
Brownfield Cleanup Program Application

CONTACT LIST

The following is the contact list information for the subject property.

New York State Contacts:

Director Abby Snyder
N.Y.S. D.E.C., Region 9
270 Michigan Avenue
Buffalo, NY 14203

Mr. Martin Doster
N.Y.S. D.E.C., Region 9
270 Michigan Avenue
Buffalo, NY 14203

Ms. Linda Ross
N.Y.S. D.E.C., Region 9
270 Michigan Avenue
Buffalo, NY 14203

Ms. Meaghan Boice-Green
N.Y.S. D.E.C., Region 9
270 Michigan Ave.
Buffalo, N.Y 14203

Ms. Megan Gollwitzer
N.Y.S. D.E.C., Region 9
270 Michigan Ave.
Buffalo, N.Y 14203

Community Outreach File
N.Y.S. D.E.C., Region 9
270 Michigan Ave.
Buffalo, N.Y 14203

Mr. Cameron O'Connor
N.Y.S. D.O.H.
584 Delaware Avenue
Buffalo, NY 14202

Mr. Matt Forcucci
N.Y.S. D.O.H.
584 Delaware Avenue
Buffalo, NY 14202

Senator William Stachowski
58th District, N.Y.S. Senate
2030 Clinton Street
Buffalo, NY 14206

Senator Charles Schumer
U.S. Senate, Suite 660
130 South Elmwood Avenue
Buffalo, NY 14202

The Honorable Brian M. Higgins
Congressional District 27
726 Exchange Street, Suite 601
Buffalo, NY 14210

Senator Hillary Rodham-Clinton
US Senate
726 Exchange St., Ste. 511
Buffalo, NY 14210

Attachment 09

Contact List Information

Shield of Armor, LLC
343 Elk Street Site
Brownfield Cleanup Program Application

Assemblyman Mark J.F. Schroeder
District 145
2019 Seneca St.
Buffalo, NY 14210

Assemblyman Jack Quinn
District 146
3812 South Park Ave.
Buffalo, NY 14219

Erie County Contacts:

Mr. Timothy Kennedy
Legislator-District 2
1928 South Park Ave.
Buffalo, NY 14220

City of Buffalo Contacts:

Mayor Byron W. Brown
City Hall
Buffalo, NY 14202

Zoning Board:

James Lewis, III
Chairman
Room 1801, City Hall
Buffalo, NY 14202

Supplier of Potable Water:

Erie County Water Authority
350 Ellicott Square Building
295 Main Street
Buffalo, NY 14203

Local News Media:

The Buffalo News
1 News Plaza
Buffalo, NY 14240

WKBW-TV
7 Broadcast Plaza
Buffalo, NY 14202

Attachment 09

Contact List Information

Shield of Armor, LLC
343 Elk Street Site
Brownfield Cleanup Program Application

WBEN News Radio 930
Entercom Radio of Buffalo
500 Corporate Pkwy
Suite 200
Buffalo, NY 14226

Document Repository (see Attachment 10):

Buffalo & Erie County Public Library
JP Dudley Branch
2010 South Park Ave.
Buffalo, NY 14220

Nearby School:

South Park High School
155 Southside Pkwy
Buffalo, NY 14304
Attn: Ms. Patricia Thomas

ATTACHMENT 09

AREA PROPERTY OWNERS

Shield of Armor, LLC
343 Elk Street Site
Brownfield Cleanup Program Application

Adjacent Property Address		Owner Name and
No.	**Street**	**Mailing Address**
444	Elk Street	Southside Social and Athletic Club 444 Elk Street Buffalo, NY 14210
430	Elk Street	Southside Social and Athletic Club 444 Elk Street Buffalo, NY 14210
427	Elk Street	Buffalo Color Corp. 100 Lee Street Buffalo, NY 14210
418	Elk Street	Allied Signal Corp. PO Box 1057 Morristown, NJ 07962
416	Elk Street	Current Resident 414 Elk Street Buffalo, NY 14210
414	Elk Street	Current Resident 414 Elk Street Buffalo, NY 14210
402	Elk Street	Allied Signal Corp. PO Box 1057 Morristown, NJ 07962
400	Elk Street	Current Resident 400 Elk Street Buffalo, NY 14210
398	Elk Street	Current Resident 398 Elk Street Buffalo, NY 14210
362	Elk Street	Allied Signal Corp. PO Box 1057 Morristown, NJ 07962
340	Elk Street	Allied Signal Corp. PO Box 1057 Morristown, NJ 07963
339	Elk Street	Buffalo Color Corp. 100 Lee Street Buffalo, NY 14210
338	Elk Street	Allied Signal Corp. PO Box 1057 Morristown, NJ 07964
229	Elk Street	Buffalo Color Corp. 100 Lee Street Buffalo, NY 14210
98	Maurice Street	Buffalo Color Corp. 100 Lee Street Buffalo, NY 14210
100	Maurice Street	Current Resident 100 Maurice Street Buffalo, NY 14210
105 & 107	Maurice Street	Allied Signal Corp. PO Box 1057 Morristown, NJ 07964
109	Maurice Street	Current Resident 109 Maurice Street Buffalo, NY 14210
112	Maurice Street	Allied Signal Corp. PO Box 1057 Morristown, NJ 07964

-- Residents names withheld for privacy concerns

ATTACHMENT 10

DOCUMENT REPOSITORY CONFIRMATION LETTER

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

November 20, 2007

Ms. Claudia Yates, Branch Manager
Buffalo & Erie County Public Library
JP Dudley Branch
2010 So. Park Avenue
Buffalo, New York 14220

Re: 343 Elk Street Site Brownfield Cleanup Program
Brownfield Cleanup Program Application
Document Repository Copy

Dear Ms Yates:

Thank you for agreeing to the JP Dudley Library Branch acting as the document repository for the above-referenced site. As requested, all site documents will be labeled "For placement at JP Dudley Branch" and sent to your attention at the address above.

Please contact us if you have any questions or require additional information

Sincerely,
Benchmark Environmental Engineering and Science, PLLC

Nathan T. Munley
Environmental Scientist

File:
0144-001-101

ATTACHMENT 11

ENVIRONMENTAL FACTORS AND HISTORIC LAND USE CONSIDERATIONS

Attachment 11

Environmental Factors & Historic Land Use Considerations

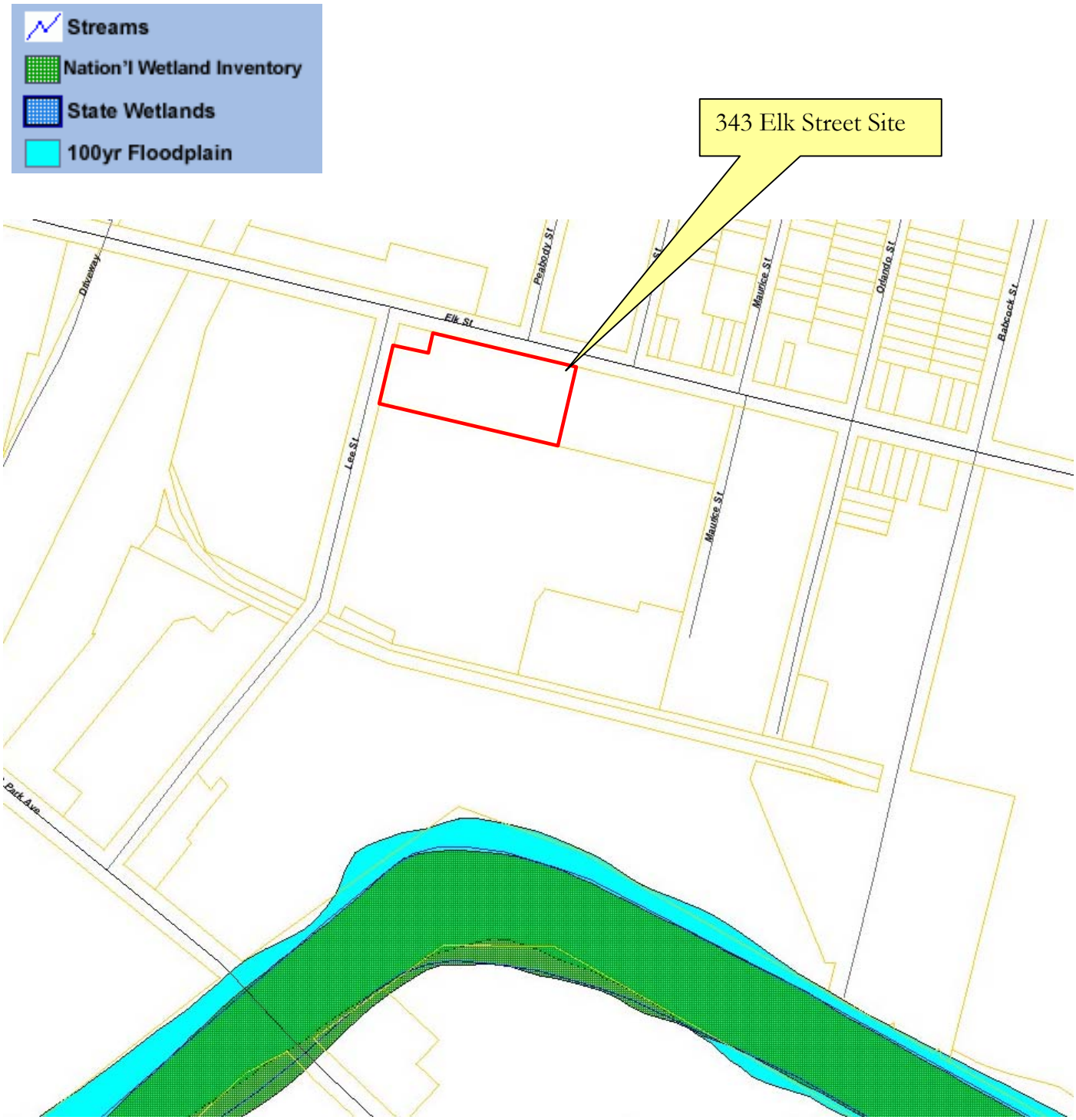
Shield of Armor, LLC
343 Elk Street Site
Brownfield Cleanup Program Application

INTRODUCTION

The following provides a brief summary of the site:

- There are no State or Federal wetlands or floodplains located on the site. The Buffalo River is located approximately ¼ mile south of the Site (see Figure 11-1).
- The site is located within a predominantly industrial/urban-developed area.
- The site is not adjacent to a Significant Coastal Fish and Wildlife Habitat.
- There are no threatened or endangered species, nor important plant habitats listed at the site.

FIGURE 11-1



Approximate Property Boundary per Erie County GIS

BENCHMARK
ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC

726 EXCHANGE STREET
SUITE 624
BUFFALO, NEW YORK 14210
(716) 856-0599

PROJECT NO.: 0144-001-101

DATE: NOVEMBER 2007

DRAFTED BY: NTM

FILEPATH:

WETLANDS AND FLOODPLAIN MAP

BROWNFIELD CLEANUP PROGRAM

343 ELK STREET SITE
BUFFALO, NEW YORK

PREPARED FOR
SHIELD OF ARMOR, LLC

ATTACHMENT 12

NEARBY LAND USE MAP

Attachment 12

Surrounding Land Use Description

Shield of Armor, LLC
343 Elk Street Site
Brownfield Cleanup Program Application

SURROUNDING LAND USE DESCRIPTION

The Site is bound by Elk Street to the north, Lee Street to the west, Maurice Street to the East, and commercial/industrial properties to the south. There is one warehouse/office structure on the property, with the remainder of the Site covered in asphalt or grass. The entire parcel, and surrounding parcels to the east, west and south are part of the larger former Buffalo Color Corp. property.

Properties surrounding the Site include commercial/industrial/vacant parcels. Residential dwellings are located approximately 500 ft. to the northeast of the Site (see Figure 12-1).

Parcels (Landuse)

- Resid. Single Family
- Resid. Two Family
- Resid. Three Family
- Other Residential
- Vacant
- Commercial
- Recreational
- Community Service
- Industrial
- Public Service
- Conservation Area / Park
- Other

BENCHMARK
ENVIRONMENTAL ENGINEERING & SCIENCE, PLLC
726 EXCHANGE STREET
SUITE 624
BUFFALO, NEW YORK 14210
(716) 856-0599

PROJECT NO.: 0144-001-101

DATE: NOVEMBER 2007

DRAFTED BY: NTM

NEARBY LAND USE MAP

BROWNFIELD CLEANUP PROGRAM APPLICATION

343 ELK STREET SITE
BUFFALO, NEW YORK

PREPARED FOR
SHIELD OF ARMOR, LLC

FIGURE 12-1

ATTACHMENT 13

GROUNDWATER VULNERABILITY ASSESSMENT

Attachment 13

Groundwater Vulnerability Assessment

Shield of Armor, LLC
343 Elk Street Site
Brownfield Cleanup Program Application

POTENTIAL VULNERABILITY OF GROUNDWATER TO CONTAMINATION

Previous investigations of the larger former Buffalo Color Corp., which the subject property was formerly part of, identified the presence of impacted soil/fill and groundwater on-Site and in the vicinity of the Site. Groundwater samples from the Buffalo Color Corp. site have identified elevated concentrations of VOCs, SVOCs, metals, chloride, sulfide and sulfate. Additionally, the former Mobil Oil terminal (east of the subject property) is suspected of having light non-aqueous phase liquid (LNAPL) groundwater contamination (Mactec, 2007 RI report).

One groundwater sample collected during a previous investigation (RI, Mactec 2007) indicated the presence of metals, SVOCs, and chloride above NYSDEC groundwater quality standards. Regionally, groundwater in the area has not been developed for industrial, agriculture, or public supply purposes. Potable water service is provided offsite and onsite by the local municipal water authority.

GROUNDWATER FLOW/RECHARGE

Regional groundwater appears to flow west-southwest towards the Buffalo River and Lake Erie (see Attachment 14).

ATTACHMENT 14

DESCRIPTION OF SITE GEOGRAPHY/GEOLOGY

Attachment 14

Description of Site Geography/Geology

Shield of Armor, LLC
343 Elk Street Site
Brownfield Cleanup Program Application

ECOLOGICAL SETTING

A majority of the site is covered with existing buildings, asphalt parking and a small grass area.

The Site is located within the Erie-Niagara River basin. Viable aquatic habitats in the vicinity of the Site include the Buffalo River (approximately ¼ mile south) and Lake Erie (approximately 1.5-miles southwest).

DEMOGRAPHY AND LAND USE

The Site is located in highly developed urbanized area of the City of Buffalo, Erie County, NY. Land use surrounding the Site includes industrial, commercial, residential, and some vacant properties (see Figure 12-1).

REGIONAL GEOLOGY/HYDROGEOLOGY

The Site is located within the Erie-Ontario lake plain physiographic province, which is typified by little topographic relief and gentle slope toward Lake Erie, except in the immediate vicinity of major drainage ways (USDA, 1978). The surficial geology of the Lake Erie Plain consists of a thin glacial till (if present), glaciolacustrine deposits, recent alluvium, and the soils derived from these deposits.

Surface soils within the City are characterized as urban land with level to gently sloping land in which 80 percent or more of the soil surface is covered by asphalt, concrete, buildings, or other impervious structures (USDA, 1978) typical of an urban environment. The presence of overburden fill material is widespread and common throughout the City of Buffalo

Based on the bedrock geologic map of Erie County (Buehler and Tesmer, 1963), the Site is situated over 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.

Attachment 14

Description of Site Geography/Geology

Shield of Armor, LLC
343 Elk Street Site
Brownfield Cleanup Program Application

SITE GEOLOGY/HYDROGEOLOGY

Based on a previous investigation completed by Benchmark in 2007, the geology at the site is generally described as fill materials overlying sandy clay. The fill materials consist of silt, sand, and gravel with varying amounts of brick, wood and ash at depths ranging from 0.5 to 8.0 fbgs. Native materials consist of olive-colored sandy clay to depths up to 12 fbgs.

Previous investigations (1997 RFI, 2007 RI/FS) have estimated groundwater flow in the shallow aquifer in a southwest direction toward the Buffalo River.