



**NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION**



**BROWNFIELD CLEANUP PROGRAM (BCP)
ECL ARTICLE 27 / TITLE 14**

DEPARTMENT USE ONLY
BCP SITE #:

07/2010

Section I. Requestor Information		
NAME Angelica Textile Services, Inc., Jamie Orlando, Vice President		
ADDRESS 1105 Lakewood Parkway, Ste 210		
CITY/TOWN Alpharetta, GA		ZIP CODE 30009
PHONE 678-823-4100	FAX 678-823-4165	E-MAIL jorlando@angelica.com
Is the requestor authorized to conduct business in New York State (NYS)? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No -If the requestor is a Corporation, LLC, LLP or other entity requiring authorization from the NYS Department of State to conduct business in NYS, the requestor's name must appear, exactly as given above, in the NYS Department of State's Corporation & Business Entity Database. A print-out of entity information from the database must be submitted to DEC with the application, to document that the applicant is authorized to do business in NYS.		
NAME OF REQUESTOR'S REPRESENTATIVE Tony Long, CSP Director of Environmental, Health & Safety		
ADDRESS 1105 Lakewood Parkway, Suite 210		
CITY/TOWN Alpharetta, GA		ZIP CODE 30009
PHONE 904-228-8721	FAX	E-MAIL tlong@angelica.com
NAME OF REQUESTOR'S CONSULTANT Marc Schneckenberger, P.E., Environmental Compliance, Inc.		
ADDRESS P.O.Box Box 342		
CITY/TOWN Elma, New York		ZIP CODE 14059
PHONE 716-655-6120	FAX 716-655-6120	E-MAIL eci2000@earthlink.net
NAME OF REQUESTOR'S ATTORNEY Knauf Shaw LLP, Linda R. Shaw, Esq.		
ADDRESS 2 State Street, Suite 1125		
CITY/TOWN Rochester, New York		ZIP CODE 14614
PHONE 585-546-8430	FAX 585-546-4324	E-MAIL lshaw@nyenvlaw.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:		
<input type="checkbox"/> 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.	<input checked="" type="checkbox"/> 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): <input type="checkbox"/> Previous Owner <input type="checkbox"/> Current Owner <input type="checkbox"/> Potential /Future Purchaser <input type="checkbox"/> Other _____		
If requestor is not the site owner, requestor will have access to the property throughout the BCP project. <input type="checkbox"/> Yes <input type="checkbox"/> No -Proof of site access must be submitted for non-owners		

Section II. Property Information
 Check here if this application is to request significant changes to property set forth in an existing BCA:
 Existing BCP site number: _____

PROPERTY NAME Former American Hide & Leather/Haight and Company Tannery Site

ADDRESS/LOCATION 125 Bath Street CITY/TOWN Ballston Spa, NY ZIP CODE 12020

MUNICIPALITY(IF MORE THAN ONE, LIST ALL): Village of Ballston Spa

COUNTY Saratoga County SITE SIZE (ACRES) approximately 6.35 acres

LATITUDE (degrees/minutes/seconds) 43 ° 00 ' 14.90N " LONGITUDE (degrees/minutes/seconds) 73 ° 51 ' 07.76W "

HORIZONTAL COLLECTION METHOD: SURVEY GPS MAP HORIZONTAL REFERENCE DATUM: Google Earth

COMPLETE TAX MAP INFORMATION FOR ALL TAX PARCELS INCLUDED WITHIN THE PROPERTY BOUNDARIES. ATTACH REQUIRED MAPS PER THE APPLICATION INSTRUCTIONS.

Parcel Address	Parcel No.	Section No.	Block No.	Lot No.	Acreage
125 Bath Street, Ballston Spa, NY 12020	216.32	1	96	2	6.35

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 please see Empire State Development's website.
 If yes, identify area (name) _____
 Percentage of property in En-zone (check one): 0-49% 50-99% 100%

4. Is this application one of multiple applications for a large development project, where the development project spans more than 25 acres (see additional criteria in BCP application instructions)? If yes, identify name of properties in related BCP applications: Yes No

5. Property Description Narrative:
 See Property Description in Support Document Section

6. List of Existing Easements (type here or attach information)

Easement Holder	Description
None Recorded	

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

Type	Issuing Agency	Description
None Recorded		

If any changes to Section II are required prior to application approval, a new page, initialed by each requestor, must be submitted.

Initials of each Requestor: _____

Section III. Current Property Owner/Operator Information

OWNER'S NAME Angelica Textile Services, Inc. (deed is still in former name Linen Systems for Hospitals, Inc.)

ADDRESS 7700 Forsyth Blvd., Suite 1010

CITY/TOWN St. Louis, MO ZIP CODE 63105

PHONE 314-854-3807 FAX 314-854-3949 E-MAIL sfrey@angelica.com

OPERATOR'S NAME Vacant

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, or was any portion of the property, listed on the National Priorities List? Yes No
If yes, please provide relevant information as an attachment.
- 2. Is the property, or was any portion of 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

What stage is the project starting at? Investigation Remediation

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. LABORATORY REPORTS SHOULD BE REFERENCED AND COPIES INCLUDED.

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

*Please describe: chlorine, tanning liquors and wastes; coal, salt, lime and lactic acid from former tannery operations

3. SUSPECTED CONTAMINANTS: INDICATE SUSPECTED CONTAMINANTS AND THE MEDIA WHICH MAY HAVE BEEN AFFECTED. PROVIDE BASIS FOR ANSWER AS AN ATTACHMENT.

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

*Please describe:

4. INDICATE KNOWN OR SUSPECTED SOURCES OF CONTAMINANTS (CHECK ALL THAT APPLY). PROVIDE BASIS FOR ANSWER AS AN ATTACHMENT.

- 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
 Adjacent Property
 Drums or Storage Containers
 Seepage Pit or Dry Well
 Foundry Sand
 Electroplating
 Coal Gas Manufacture
 Industrial Accident
 Unknown

Other: Tanning liquors and wastes; chlorine; coal; salt; lime and lactic acid

5. INDICATE PAST LAND USES (CHECK ALL THAT APPLY):

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

Other:

6. PROVIDE A LIST OF PREVIOUS PROPERTY OWNERS AND OPERATORS WITH NAMES, LAST KNOWN ADDRESSES AND TELEPHONE NUMBERS AS AN ATTACHMENT. DESCRIBE REQUESTOR'S RELATIONSHIP, IF ANY, TO EACH PREVIOUS OWNER AND OPERATOR. IF NO RELATIONSHIP, PUT "NONE".

Section VIII. Contact List Information	
Please attach, at a minimum, the names and addresses of the following:	
<ol style="list-style-type: none"> 1. The chief executive officer and planning 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))	
1. Current Use: <input type="checkbox"/> Residential <input type="checkbox"/> Commercial <input checked="" type="checkbox"/> Industrial <input checked="" type="checkbox"/> Vacant <input type="checkbox"/> Recreational (check all that apply) Provide summary of business operations as an attachment.	
2. Intended Use Post Remediation: <input type="checkbox"/> Unrestricted <input checked="" type="checkbox"/> Residential <input checked="" type="checkbox"/> Commercial <input type="checkbox"/> Industrial (check all that apply) Provide specifics as an attachment.	
3. Do current historical and/or recent development patterns support the proposed use? (See #14 below re: discussion of area land uses)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
4. Is the proposed use consistent with applicable zoning laws/maps?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5. 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?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
6. Are there any Environmental Justice Concerns? (See §27-1415(3)(p)).	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
7. Are there any federal or state land use designations relating to this site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
8. Do the population growth patterns and projections support the proposed use?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
9. Is the property accessible to existing infrastructure?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
10. Are there important cultural resources, including federal or state historic or heritage sites or Native American religious sites within ½ mile?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
11. 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?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
12. Are there floodplains within ½ mile?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
13. Are there any institutional controls currently applicable to the property?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
14. Describe the proximity to real property currently used for residential use, and to urban, commercial, industrial, agricultural, and recreational areas in an attachment.	
15. Describe the potential vulnerability of groundwater to contamination that might migrate from the property, including proximity to wellhead protection and groundwater recharge areas in an attachment.	
16. Describe the geography and geology of the site in an attachment.	

Section X. Statement of Certification and Signatures

(By requestor who is an individual)

If this application is approved, I acknowledge and agree to the general terms and conditions set forth in DER-32 *Brownfield Cleanup Program Applications and Agreements* and to execute a Brownfield Cleanup Agreement (BCA) within 60 days of the date of DEC's approval letter. I also agree that in the event of a conflict between the general terms and conditions of participation set forth in DER-32 and the terms contained in a site-specific BCA, the terms in the BCA shall control. 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: N/A Signature: _____ Print Name: N/A

(By an requestor other than an individual)

I hereby affirm that I am Vice President (title) of Angelica (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. If this application is approved, I acknowledge and agree to the general terms and conditions set forth in DER-32 *Brownfield Cleanup Program Applications and Agreements* and to execute a Brownfield Cleanup Agreement (BCA) within 60 days of the date of DEC's approval letter. I also agree that in the event of a conflict between the general terms and conditions of participation set forth in DER-32 and the terms contained in a site-specific BCA, the terms in the BCA shall control. 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: 4/9/18 Signature:  Print Name: Jamie Orlando

SUBMITTAL INFORMATION:

Three (3) complete copies are required.

- Two (2) copies, one paper copy with original signatures and one electronic copy in Portable Document Format (PDF) on a CD, 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) paper 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.

FOR DEPARTMENT USE ONLY

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

BCP APPLICATION SUPPORT DOCUMENT
Exhibit List

- Exhibit A - DOS NY Corporation Information**
- Exhibit B- Deed**
- Exhibit C - Title Report for Lot 1 Owned by Rickett's Inc.**
- Exhibit D - Site Location Map, Site Layout and Area Map**
- Exhibit E - Tax Map**
- Exhibit F - Former Use Sanborn Maps**
- Exhibit G - Zoning Map**
- Exhibit H - Contact List**
- Exhibit I - Adjacent Property Owner Map**
- Exhibit J - ECI Spill Excavation Summary Report and Soil Testing Performed by Paradigm Environmental**
- Exhibit K - DEC Letter Re: NYRDEC Spill No. 1004406**
- Exhibit L - Library Letter**
- Exhibit M - Flood Zone Map**
- Exhibit N - Previous Owners and Operators List**
- Exhibit O - Historic Drawing**
- Exhibit P - Sump Pit Data**
- Exhibit Q - Ballston Spa Historic Area Map**

ENVIRONMENTAL REPORTS: June 2008 Phase I Site Assessment, February 2012 Addendum and Raw Data Attached Separately

SECTION I - REQUESTOR INFORMATION

The Requestor, Angelica Textile Services, Inc. (“Angelica”), a New York State corporation, acquired the entity, Linen Systems for Hospitals, Inc. (“Linen Systems”) in 1977, and officially changed Linen Systems name to Angelica in or about 1984. Linen Systems acquired title to the Site (Tax Block 216.32.1.96.2; hereinafter “Lot 2” or the “Site”) in 1977. *See* Exhibit A including DOS NY Corporation Active Status Forms for Angelica Textile Services, Inc. and Linen Systems for Hospitals, Inc., which include the corporate history name change. It is important to note that the deed remains in the name of Linen Systems for Hospitals, Inc. However, the current corporate entity name for this entity is the Requestor Angelica. *See* Exhibit B, including the deed. Therefore, the Requestor is the current owner.

Despite a long ownership history of this Site since 1977, neither Angelica, nor Linen Systems conducted operations that could have resulted in contamination on this Site. Since Angelica’s ownership and operation of the Site, only commercial laundering of medical industry linens with laundry detergent has occurred. No dry cleaning of any linens occurred and no chlorinated solvents have been found to date. Therefore, Angelica is a volunteer (i.e. owner after the time of the disposal) with respect to the contamination recently discovered related to former tannery operations, and is seeking status as a Volunteer.

Historically, three named tanneries – Haight and Company, American Hide & Leather, and Howes Leather – occupied the Site. The former tanneries also spanned over the adjacent Gordon Creek to a second lot (Tax Block 216.32.1.96.1; hereinafter “Lot 1”). However, this lot was not purchased by Linen Systems in 1977, and, is therefore, not part of the BCP Site. *See* Exhibits B & C, including Title Information and Deed to Rickett’s Inc. for Lot 1; Phase I at 4.

After all tannery operations ceased in or about 1960, there was an approximately ten year period in time the Site was not occupied. An individual and then his estate owned the site from 1960 to 1969. There may have been an antique dealer (Gordon Creek Inc.) which owned and occupied the site for a year between 1969 and 1970. Gordon Creek sold the Site to Paul J. Rickett Sr. which was later purchased by Rickett’s, Inc., The operator was Northern Hospital Linen Service Inc., Mr. Rickett’s company. Northern Hospital Linens operated the site from 1970 to 1976.

Ricketts, Inc. sold Parcel 2 (not Parcel 1 across the creek) and his newly formed corporation named Linen Systems for Hospitals Inc. to Angelica in 1977. Angelica kept Linen Systems name until 1983, when it changed its corporate name to Angelica Healthcare Services Group, Inc. In 1996, there was another corporate name change to Angelica Textile Services, Inc. Rickett’s is still a local Ballston Spa laundry company. As noted above, title to the Site remains under the name Linen Systems, which is still a valid New York corporation. *See* Phase I at 4.

Laundering operations continued from 1977 until recently in 2011, when Angelica ceased all laundering and warehousing operations at this facility. Therefore, the Site is now vacant. The Requestor would like to sell this facility to another volunteer for a qualified Site commercial or restricted residential reuse, and intends to work with any interested buyer to resolve the contamination issues. The Requestor has also identified the successor of the original tannery responsible parties (namely RadioShack) and plans to seek its cooperation with respect to the

remediation of the Site. *See* Exhibit N for the corporate history of the tanneries leading up to RadioShack). If the former tannery owners remain recalcitrant, Angelica plans to seek cost recovery litigation against RadioSchack at a minimum, simultaneously with participation in this program.

SECTION II - PROPERTY INFORMATION

II.5: PROPERTY DESCRIPTION NARRATIVE:

The “Site” that will be the subject of this application constitutes one lot (Lot 2) totaling approximately 6.35 acres in the Village of Ballston Spa, New York, Saratoga County. *See* Exhibit D, including the Site Location Map. The Site is located at 125 Bath Street, immediately north of Gordon Creek, and northwest of the intersection of Bath Street and Hamilton Ave. The Site encompasses Lot 2 identified on Saratoga County assessor’s maps as Tax Block 216.32.1.96.2 (hereinafter “Lot 2” or the “Site”). *See* Exhibit E, including Tax Map; Phase I at 4.

An 80,000 square foot building occupies the eastern portion of the Site. This building was constructed between 1945 and 1950 according to Sanborn maps, and replaced many of the former tannery buildings. *See* Phase I at ii. A machine shop and administrative areas occupy the eastern portion of this building; former laundering and garment storage areas are located in the western and central areas of the building. The northern portion of the building has most recently been used for shipping and receiving laundry. A wastewater treatment sump/wastewater pit and a boiler room occupy a subgrade area of the building’s center. The Site’s southeastern border and central portion contain several buildings associated with former site tannery operations (former “sewage disposal” and chlorine plant”). These buildings were reportedly never used by the Requestor or its predecessors. Asphalt driveways join the southern and northern portions of the building. Only remnants of these buildings remain present. A metal trailer, which stored linens unsuitable for on-site laundering, is located in an asphalt parking lot west of the building. The eastern portion of the building’s exterior is landscaped to Bath Street. A wooded lot occupies the western portion of the Site. *See* Phase I at 4-5.

The Site was operated as a tannery from 1887 to 1960 according to historic Sanborn maps. *See* Phase I at i-ii. As of 1904, there were 15 buildings associated with tannery operations. The former tannery conducted bulk storage of chlorine, fuel oil, and stored tanning liquors and wastes in containers ranging in size from 55 gallon drums to 100,000 gallon above ground storage tanks (ASTs) during what appears to be its entire more than 70 year history.

Leather waste and ash material associated with the former tannery were recently found in the vicinity of the 100,000 gallon former fuel oil AST during an unusual release of No.6 fuel oil from under the ground to the surface. Observations of the oil release were reported to the NYSDEC upon discovery. DEC Spill #1004405 was assigned to this release. *See* Exhibit K. A subsequent Site investigation and sampling program performed by Environmental Compliance, Inc. (ECI) confirmed the presence of petroleum contamination in the vicinity of the former AST.

The location of this former AST could not be observed from the ground surface. This area was covered with 30-40 foot trees, and was not known to exist by the Requestor since the top of the tank was cut off under the ground surface but the bottom of the tank was still present subsurface. According to ECI, there was no evidence in the field the surface release was from any of the subsurface contents in the bottom of the tank, which did not contain any product, but rather historic fill soil. Therefore, there does not appear to have been a release from the remaining cut off tank. Rather, oil still present in the soils close to the surface of the ground became evident on the surface of the ground due to extremely wet weather conditions and likely high saturation causing the petroleum to move up to the surface. Scraps of leather soaked with No. 6 fuel oil were found immediately north of the historic tank. There is a reference to a “bit dyke” on a historic drawing of the facility (*see* Exhibit O), which when compared to the 1950 Sanborn map in the Phase I Report, reveals this former tank and the scrap leather were in adjacent historic locations. Since the historic map is undated, it is not known if the bit dyke pre-dates the tank spill and the leather scraps were used to soak up the historic surface spill, or if the scraps pre-dated the spill and had the subsequent effect of soaking up some of the spill. Investigation performed in this area to date has revealed the soils contain multiple low level SVOCs and metals, including arsenic, barium, chromium, and lead. *See* Exhibit J.

Tannery operations are known to release chlorine, formaldehyde, sulfuric acid, glycol ether EB, glycol ether PMA, methyl isobutyl ketone, toluene, xylol, phosphoric acid, methanol, manganese sulfate, chromium III, ethylene glycol, lead, copper, lime, and zinc. To date, most of these contaminants have not been found. However, only limited investigation has been performed in the tank area. Additional areas of tannery related contamination may be found during additional BCP remedial investigation activities.

SECTION III - CURRENT PROPERTY OWNER/OPERATOR INFORMATION

The Site is currently owned by Angelica, which performed laundering of garments with detergents on the Site and warehoused linens from approximately 1977 through 2011 without the use of dry cleaning chemicals. Angelica recently ceased operations on the Site. Therefore, the Site is now vacant. *See* Exhibits A, B and C.

SECTION IV – REQUESTOR ELIGIBILITY INFORMATION

In addition to the information contained in the application, the Requestor is eligible because it is willing to voluntarily perform further environmental work on the Site. It is important to note that the Requestor has sent responsible party notices to current successor owner companies in relation to former tannery owners and operators of the Site, including RadioShack, and Rickett’s. Rickett’s counsel has responded, but RadioShack has not responded. Angelica will be seeking voluntary participation from these responsible parties for contribution toward investigation and remediation costs. In the event these companies are unwilling to participate, Angelica will

continue to be a volunteer, but will likely commence simultaneous contribution litigation against the successor companies to the actual responsible parties, which caused the contamination.

SECTION V – PROPERTY ELIGIBILITY INFORMATION

In addition to the responses on the application form, which clarify the property is not an ineligible site pursuant to the brownfield site exceptions in ECL§27-1405, the following information further demonstrates this Site's eligibility for the BCP. A "brownfield site" is defined by statute as "real property, the redevelopment or reuse of which may be complicated by the presence or potential presence of a contaminant." ECL §27-1405(2). The past, long term industrial use of this Site for multiple tannery uses creates a reasonable basis to believe contamination is likely to be present under the on-Site buildings and tanks, and in Site soil and groundwater, which will complicate the Site's redevelopment, and as such, the Site meets the brownfield site statutory definition in Environmental Conservation Law §27-1405(2), and the regulatory eligibility definition in 6 NYCRR §375-3.3(a)(1), as collectively demonstrated by:

- Property's Environmental History Section VII below, and the Phase I Report and Addendum separately attached, which summarizes the Site's environmental history as a tannery for more than 70 years, and;
- Actual Petroleum, Metals and SVOC contamination data documented in reports performed by Paradigm.

This application demonstrates this Site is a brownfield site in conformance with the statutory and regulatory definition. The Phase I Report and sampling data reports attached, identify actual and suspect contamination from multiple historic uses that stored and used chemicals and petroleum.

Site sampling has confirmed the presence of No. 6 oil and diesel petroleum contamination on the site. Additionally, soils contain multiple SVOCs, including acenaphthene, anthracene, benzo(a)anthracene, benzo(a) pyrene, benzo(b)fluoranthene, benzo(g,h,i) perylene, benzo(k)fluoranthene, chrysene, 2-methylnapthalene, dibenz(a,h) anthracene, fluoranthene, fluorene, indeno(1,2,3-cd) pyrene, phenanthrene, and pyrene. The VOCs m,p-xylene and o-xylene were also detected. Low levels of heavy metals, including but not limited to, arsenic, barium, chromium, and lead were also detected (under standards), with barium identified in most samples. Tannery operations are known to release chlorine, formaldehyde, sulfuric acid, glycol ether EB, glycol ether PMA, methyl isobutyl ketone, toluene, xylol, phosphoric acid, methanol, manganese sulfate, chromium III, ethylene glycol, lead, copper, lime, and zinc. Further sampling in other Site locations may identify additional tannery related contamination during a future remedial investigation.

Since the Site soils contain hazardous substances in excess of the unrestricted and restricted commercial and residential cleanup standards promulgated in 6 NYCRR Part 375-6.8(a) and (b), the Site is a brownfield, particularly given that the intended use of the Site is not known, but may be either residential or commercial facility, which is consistent with the nearby central business district development.

The current data documenting actual contamination discovered to date, coupled with the long history of industrial use, make it reasonable to believe additional contamination is present, and will be further uncovered throughout the entire Site requiring remediation. Therefore, the Site meets the first contamination element:

- (i) there must be confirmed contamination on the property or a reasonable basis to believe that contamination is likely to be present on the property;

See 6 NYCRR §375-3.3(a)(1)(i).

A. Complication of Redevelopment is Also Confirmed

In addition to confirmed and suspect contamination:

- (ii) there must be a reasonable basis to believe that the contamination or potential presence of contamination may be complicating the development, use or re-use of the property.

See 6 NYCRR §375-3.3(a)(1)(ii).

According to the Department's March 3, 2005 Revised Eligibility Guidance document:

3. In determining whether there is a reasonable basis to believe that the contamination or potential presence of contamination may be complicating the development, use or re-use of the property, the Department will consider the following factors, to the extent such factors are relevant to the proposed site:

- (A) whether the proposed site is idled, abandoned or underutilized;
- (B) whether the proposed site is unattractive for redevelopment or reuse due to the presence or reasonable perception of contamination;
- (C) whether properties in the immediate vicinity of the proposed site show indicators of economic distress such as high commercial vacancy rates or depressed property values; and/or
- (D) whether the estimated cost of any necessary remedial program is likely to be significant in comparison to the anticipated value of the proposed site as redeveloped or reused.

(A) Whether the proposed site is idled, abandoned or underutilized – The Site is currently vacant. Buildings from former tannery operations are still present. The Site is located near a central business district, and is otherwise in a highly residential area. The current industrial use and zoning is no longer compatible with the surrounding uses. Since the highest and best use of

this land is not being realized, the Site meets the first brownfield site eligibility factor as it is vacant, idle and underutilized.

(B) Whether the proposed site is unattractive for redevelopment or reuse due to the presence or reasonable perception of contamination – The history of former tannery operations, and the likely presence of associated contamination, make the Site particularly unattractive for development. In addition, the Site is currently zoned for an industrial use, but is located in largely a commercial/residential neighborhood. Therefore, not only does a future developer have to overcome the contamination issues associated with the Site, the Site also has to be rezoned to accommodate a future site commercial and/or residential reuse.

The former tannery use, which will be revealed in any Phase I report prepared or reviewed by a lender, will continue to make any real estate and financing transaction relating to this Site extremely complicated, if not impossible, until the contamination is addressed through this program. Lenders and investors simply cannot run the risk of unknown contamination costs and toxic tort liability. This program enables some lenders to feel more comfortable about these risks. Outside of the program, it is not clear any lender would take on this risk in this economy in this particular upstate community. Any real estate transaction relating to this Site has been, and will continue to be, complicated by the presence of this contamination. All of these conditions have made the Site unattractive for redevelopment.

(C) Whether properties in the immediate vicinity of the proposed site show indicators of economic distress such as high commercial vacancy rates or depressed property values – The Ballston Spa area is not among the most depressed areas of upstate New York, but is certainly not an area booming in economic development. The area is very old and the small downtown area is historic. However, little real investment has been made to upgrade the historic buildings, most of which could use repair and modernization. The town does have potential because it is approximately 10 miles from Saratoga, but the boom in Saratoga has not yet trickled down to Ballston Spa in any significant way.

(D) Whether the estimated cost of any necessary remedial program is likely to be significant in comparison to the anticipated value of the proposed site as redeveloped or reused - With respect to the fourth cost factor, while final costs are not yet available since Site investigation will continue under the BCP, the cost of investigation and remediation will likely be significant, and at least proportional, to the cost of redevelopment. The planned use for the Site is not yet known, but is likely to be either a residential or commercial development project, and will likely require extensive Site work and remediation.

Cost associated with site preparation, soil remediation, and new infrastructure that will be required to redevelop this Site in contaminated soils, etc. is extremely expensive, and not the type of upfront costs that are being funded by any lender at this time. Therefore, any remediation cost at this time will be expensive to the developer as such funds will come directly from their own pockets. Participation in this program is critical, since the program defines the limits of remediation for a volunteer, and promises certain forms of liability and monetary relief in exchange for the remedial efforts.

No one can accurately anticipate the future value of the land, particularly before the remaining remediation work is accomplished. However, upstate New York real estate has extremely low value. At this time, the applicant can only predict that the fourth eligibility factor is satisfied in that the remedial cost will be significant, and is an upfront cost that will have to be expended in order to even minimally enhance the future value of the Site.

In sum, based on legislative history defining the brownfield site definition, existing BCP related case law, and facts relevant to this particular Site, there is a reasonable basis to believe that the currently known contamination and suspect potential contamination is complicating development, and as such the fourth complication element of the State's current eligibility test in its Eligibility Guidance document has been met.

SECTION VI - PROJECT DESCRIPTION

A. PURPOSE AND SCOPE OF THE PROJECT

There is no immediately known project at this time. The plan is to sell the Site to a future buyer for a residential or commercial reuse project.

B. ESTIMATED PROJECT SCHEDULE

The proposed project at this time is simply the investigation and remediation of the Site. This work should begin soon after the Brownfield Cleanup Program Application for the Site is approved. This process is estimated to take approximately 2 ½ -3 months. Therefore, remedial investigation work on the Site should begin in approximately the summer of 2012.

SECTION VII - PROPERTY ENVIRONMENTAL HISTORY

A Phase I Environmental Site Assessment E-1527-05 (ASTM-05) was performed by GaiaTech in June 2008, and a more recent February 2012 Addendum update was prepared. Both reports are separately attached. In addition, data has been generated in relation to the petroleum surface soil incident. *See Exhibit J.*

I. Summary of Environmental Reports

A. June 2008 Phase I Environmental Site Assessment ("Phase I Report")

The Phase I report was prepared in 2008 in relation to due diligence required for a financial transaction. This was essentially the first time the long industrial history associated with the Site was summarized and became known to Angelica. The Phase I Report concluded that Angelica's use of the Site to launder garments did not create recognized environmental conditions (RECs), but prior tannery operations may very well have caused RECs. Prior to Angelica's operations, three tanneries operations were

present dating back to the 1880's. The first tannery – Haight and Company Tannery – was operational by 1887. Haight Tannery's operations included a bark mill, a leach house, an engine room, and finishing areas. The Site's central area included a "vat yard." Several tanning liquor tanks, and a rail spur, were present on the western portion of the Site by the late 1890s. *See* Sanborn Maps attached to the Phase I Report. The Haight Tannery extended southward from the Lot 2 Site across Gordon Creek to Lot 1 by this time. According to the updated Phase I February 2011 Addendum, the Haight Tannery was present from 1881 to 1899.

Subsequently, American Hide & Leather was present from 1899 to 1955. By 1904, the Tannery contained 15 buildings. *See* Exhibit N. A 1924 map reveals the presence of 'waste tanks' added to the main Tannery building. Additionally, a sewage disposal and a chlorine plant were present along Gordon Creek. A large area of empty barrels appeared to be present in the Site's northeast portion at this time. By 1942, a 100,000 gallon fuel oil AST and 100,000 gallon water AST were present on the Site's northern portion. The Tannery discharged water containing lime, salt, tanning liquors, and lactic acid into Gordon Creek, and the effluent was highly colored.

In 1945, the current Site building was constructed on the south and east portions of the Site to replace a former building. By 1950, the Tannery was expanded to include a fuel handling building, coal silos, ash silos, additional fuel oil tanks, and a paint shed. *See* 1950 Sanborn Map in Phase I. According to the updated Phase I February 2011 Addendum, for one year the Site was owned by General American Industries, Inc. from 1955 to 1956. *See* Exhibit N. General American sold the Site to Howes Leather Company, Inc., which continued to operate the tannery from 1956 to 1960 when Tannery operations apparently ceased. An individual then purchased the Site, and this individual and his estate owned the Site from 1960 to 1969. A new owner, Gordon Creek, Inc. purchased the Site in 1969 and may have operated portions of it as an antique dealer business until 1970. However, for the most part, the Site was vacant from 1960 until 1970.

Laundering of linens began at the Site in 1970 by a company named Northern Hospital Linen Service Inc, which was owned by a man by the name Ricketts, who purchased the Site individually at that time. By the late 1970s, several tannery buildings on the Site's western portion had been razed. By 1976, Ricketts transferred the Site into a corporate entity named Rickett's, Inc. and changed the name of his laundering company to Linen Systems for Hospitals, Inc. Ricketts, Inc. sold the Site and his Linen Systems company to Angelica in 1977, but Angelica kept the name Linen Systems for Hospitals, Inc., which owned and operated the Site until 1983-1984. In 1983, Angelica subsequently named the name Linen Systems to Angelica Healthcare Services Group, Inc. but title to the property remains in the name Linen Systems. Angelica Healthcare Services Group, Inc. changed its name again in 1996 to Angelica Textile Services, Inc. (Requestor).

According to the Phase I Report, there are no USTs currently at the site. A single UST was installed in 1973 and removed in 1993. This stored 4,000 gallons of diesel fuel. No spills, leaks, or indications of product release were reported. The tank was allegedly

removed in accordance with DEC regulatory requirements, and soil tests beneath the tank performed by the DEC found no impact. One 5,000 gallon fuel oil AST stores back up fuel when natural gas is unavailable. *See Exhibit D Site Layout and Area Map.* This AST is present west of the Site building, in a diked concrete structure. Additionally, two water ASTs located in the boiler room do not represent an impact of concern. Angelica formerly stored laundering chemicals in state registered plastic ASTs, but changed to using portable totes and drums early in the 2000s; these did not represent a REC in the Phase I Report.

According to the Phase I, Angelica did not generate or dispose of hazardous waste and no waste disposal occurs on site. Sanitary wastewater was discharged to the municipal sewer system by Angelica. Wash water was discharged through a network of grate drains equipped with lint filters to a concrete sump/wastewater pit in the boiler room, which clarifies water prior to discharge to the sewer system. The sump/wastewater was inspected and pumped out every 3 to 5 years. However, the Phase I did not contain any data confirming no impacts from the sump.

Based on updated information provided by Angelica, and documented in the February 2012 report, May 2009 analysis of sludge from this pit, analyzed for pH, solids, TCLP, semi-volatile organic compounds (SVOCs), acids, halocarbons, aromatics, ketones, carbon disulfide and vinyl acetate, indicated that the pH was slightly basic, barium was detected at 1.79 micrograms per kilogram ($\mu\text{g}/\text{kg}$), toluene was detected at 19.6 $\mu\text{g}/\text{kg}$, acetone was detected at 1,350 $\mu\text{g}/\text{kg}$, 2-butanone was identified at 142 $\mu\text{g}/\text{kg}$, and carbon disulfide was identified at 224 $\mu\text{g}/\text{kg}$. GaiaTech concluded these concentrations suggested that:

this pit is unlikely to have received large discharges of oils, solvents or other unauthorized materials while in use. Furthermore, all detections were below the unrestricted use cleanup standards in 6 NYCRR 375-6.8(a), which are 0.7 parts per million (ppm) toluene, 350 ppm barium, and 0.05 ppm acetone. While there are no regulatory standards for 2-butanone and carbon disulfide, the residential cleanup guidance standard in DEC CP-51 is 100 ppm for each of these substances. Given the nature of material laundered and detergents used, that no staining or indications of releases to the wastewater system were observed in 2008, and the results of sludge sampling in 2009, the potential for significant impact to the site as a result of unauthorized releases to the wastewater system appears low. *See Exhibit P – Sump Pit Data*

Two natural gas-fired boilers are the Site's only combustion emissions, but were not deemed as posing a physical impact to the Site by GaiaTech. GaiaTech also concluded the Site's transformers do not appear to pose a PCB hazard.

The Phase I Report also evaluated if there was any potential environmental impact to the Site from surrounding properties. The most significant adjacent former use was located across the channelized creek, and was known as the former Ballston Spa Electric Light & Power Company, which was present southwest of the Site from 1982 to 1911, and may have been a manufactured gas plant site. However, other than this historic use, which is separated by the Site via the creek, there were no other former adjacent uses of any significance. See Exhibit I Adjacent Property Owner Map.

There have been some minor spill incidents on adjacent or nearby sites, which are summarized below:

A. Old Village Garage, Thompson Street. This site, which is approximately 350 feet north-northeast, is downgradient from the Site, and reported a leaking gasoline UST in 1998. NYSDEC has not apparently issued a closure letter, but this spill is listed as “corrective action taken”, and therefore, was not deemed as having a potential impact on the site in the Phase I Report.

B. Vicinity Oil Spills. Four spills with minimal potential for hazard have been closed after corrective action was taken in the vicinity, and were not deemed to represent a potential impact concern in the Phase I Report. These were all within 650 feet of the site, and included: a diesel fuel spill south-southeast of the site in 1998, an oil and gas spill in 1993 at a commercial business east-southeast, a gasoline spill at Cumberland Farms east-northeast in 1988, and a water spill at a dentist office south of the site in 1993.

C. Herbicides and Pesticides Spill. Herbicides and pesticides were released by an Agway store that burned down in 1977, 750 feet south of the site. This site is allegedly under continued DEC monitoring, although materials are buried and leachate is allegedly being controlled. Because of this site’s status, its crossgradient relationship to the Site, and distance from the Site, the Agway site was not deemed to pose an impact on this Site in the Phase I Report.

B. 1993 UST Removal

GaiaTech received DEC FOIL documents, which it summarized in its updated February 2012 Phase I Addendum Report. The investigation of soils in 1993 beneath an excavated UST did not detect contamination. The spill listing was closed September 22, 1993 and required no further action.

C. 2010 Surface Soil Petroleum Incident

In or about the summer of 2010, there were multiple rain events, which appeared to cause petroleum present in surface soils to become present on the surface of the ground. According to Angelica’s engineer, ECI, the petroleum appears to have emanated out of the ground from being saturated in surface soils.

At the beginning of December 2010, GTS Environmental Compliance, Inc., ECI's subcontractor performed a soil remediation effort in the vicinity of the petroleum that had emanated to the surface from the subsurface. GTS eventually uncovered the bottom portion of what is thought to be a vertical 100,000 gallon No. 6 fuel oil steel tank. It was estimated to be about 25 feet in diameter; this would estimate the height of the tank to be about 27 to 30 feet tall in order to contain 100,000 gallons. What remained of the bottom portion of the tank (believed to be still intact) was the bottom and about 7 feet (high) of the sidewall of the steel tank.

The tank bottom was filled with ash and soil backfill. GTS removed the contents of the tank bottom and then cut up the remaining portion of the steel tank. It is this vertical steel tank (25' diameter and 30 feet tall) that is believed to have held the No. 6 fuel oil that was seeping to the surface in the parking lot area where the excavation took place.

The vertical tank sat on a heavily reinforced concrete pad that was supported by a number of piers that were in the ground. The depth of the piers has not yet been determined. It should be noted that the vertical steel tank and concrete pad were covered with soil and tree growth. Some of the trees were 30 to 40 feet tall; a third party Donovan Tree Service removed these eight (8) trees in early December 2010.

The data collected confirms No. 6 fuel oil was present in the ground/excavation area. *See Exhibit J.*

2. Sampling Data - See Exhibit J which includes a data table summary on page three of the ECI Spill Excavation Summary Report.

3. Suspected Contaminants – See Chart of suspected contaminants in the Application. In addition, tannery operations are known to release chlorine, formaldehyde, sulfuric acid, glycol ether EB, glycol ether PMA, methyl isobutyl ketone, toluene, xylol, phosphoric acid, methanol, manganese sulfate, chromium III, ethylene glycol, lead, copper, lime, and zinc. To date, most of these contaminants have not been found. However, only limited investigation has been performed in the tank area in the northern portion of the Site. Additional areas of tannery related contamination may be found during additional BCP remedial investigation activities.

4. Known or Suspected Sources of Contamination – See Application and information throughout this narrative Support Document.

The former tannery conducted bulk storage of chlorine, fuel oil, and contained vats of tanning liquors and wastes in containers of 55 gallon drums and 100,000 gallon ASTs from at least 1887 to 1960. Tannery operation may have discharged sewage and waste into Gordon Creek. However, Gordon Creek has a stone bottom and was channelized many years ago. Detailed information regarding the tannery's handling and disposal of wastes is unavailable. A FOIL was conducted for historic town records related to the tannery, but none were located.

5. **Past Land Uses** – Industrial development began in 1881. Tannery operations occurred from 1887 to 1960. Linen laundering operations commenced in 1970 and continued until 2010. Warehousing operations ceased in 2011. *See* Exhibit F.

6. **Previous Owners and Operators:**

See Exhibit N.

SECTION VIII - CONTACT LIST INFORMATION

1. **The Chief Executive Officer:**

Hon. John P. Romano
66 Front St.,
Ballston Spa, NY 12020.

2. **The City Zoning Bureau:**

Saratoga County Planning Department
50 West High Street
Ballston Spa, NY 12020
518-884-4705

3. **Residents, owners, and occupants of the site and properties adjacent to the site:**

There are no residents on site. Private residences are located to the north, south, and east of the site. The western portion is an undeveloped wood lot. Saratoga County fairgrounds are located to the northwest. Porter's Auto Body Shop is adjacent, across Gordon Creek. Ballston Spa Lanes bowling alley is to the southeast, across Bath Street. The Site Contact List in Exhibit H contains contact information for all adjacent property owners, and the Adjacent Property Owners Map is contained in Exhibit I.

4. **Local news media from which the community typically obtains information:**

The Saratogian
20 Lake Avenue
Saratoga Springs, NY 12866
518-584-4242

5. **The public water supplier that services the area where the site is located:**

Ballston Spa Water Department
323 Charlton Rd
Ballston Spa, NY 12020
(518) 885-7660

6. Any person who has requested to be placed on the site contact list:
No person has yet requested to be placed on the site contact list.

7. The administrator of any school or day care facility located on or near the site:

St Mary's School 269 ft. from site
40 Thompson Street
Ballston Spa, NY 12020-1398
(518) 885-7300

Ballston Spa Presbyterian Church Preschool- 434 ft. from site
22 West High Street,
Ballston Spa, NY 12020
(518) 885-5583

First Baptist Church Preschool- 257 ft. from site
202 Milton Avenue,
Ballston Spa, NY 12020-1411
(518) 885-8361

Little Angels Nursery School- 432 ft. from site
22 West High Street,
Ballston Spa, NY 12020-1928
(518) 885-5583

8. The location of a document repository for the project (e.g., local library):

Ballston Spa Public Library
21 Milton Avenue
Ballston Spa, NY 12020
(518) 885-5022

See Exhibit L, Library Letter.

SECTION IX - LAND USE FACTORS

1. Current Use: The Site was recently vacated by Angelica, which has consolidated its laundering operations in other locations. Angelica and its predecessors most recently used the site from the early 1970's until 2011 as a large commercial laundry facility to launder garments for the healthcare industry and warehouse linens. These operations did not include dry cleaning. The operations included collecting, sorting, pressing, washing, drying, and folding garments. The primary products used in this process were detergents, which Angelica stored in 55 gallon drums and plastic totes. Incidental operations include

equipment maintenance (requiring machine oil), storage, operation of fleet vehicles for shipping and receiving, and wastewater treatment for soap residue. Maintenance and fueling of equipment were conducted off site.

- 2. Intended Use Post Remediation:** Angelica would like to sell the Site for a residential or commercial use such as an assisted living facility or something of a similar nature. The Site is well located close to the historic Ballston Spa downtown area, but the industrial zoning would need to be changed to support such a use.
- 3. Do current historical and/or recent development patterns support the proposed use?**
Yes. Recent development is highly residential, close to the central business district and facilities, and should no longer be industrial.
- 4. Is the proposed use consistent with applicable zoning laws/maps?**
A commercial use is not consistent with the Site's current industrial zone designation; however, it is consistent with the current zoning scheme, which is residential and a central business district. *See* Exhibit G.

The Village of Ballston Spa building inspector indicated that the Site's Industrial use designation permits a nursery/greenhouse, coal storage with use permit, commercial parking, truck terminals, storage and other industrial uses. Multifamily dwellings, single and double occupancy dwellings, and nursing/convalescence homes are currently prohibited. Senior living is listed as a separate use in their zoning code, but is not listed as prohibited or approved for the Industrial designation. Commercial uses are also not covered in the existing industrial zone.

When Angelica's operations ceased at the Site, the Building Inspector acknowledged that the Village's initial desire was to retain the industrial zone for the purpose of heightened job retention. However, he also suggested a variance appeal to the zoning board may be successful, particularly if job creation and employment capacity can be shown.

Answers 5-9 are answered in a yes or no fashion on the application itself.

10. Are there important cultural resources, including federal or state historic or heritage sites or Native American religious sites within ½ mile?

The Ballston Spa central business district, which is slightly less than a ½ mile from the Site, is a local historic district. *See* Exhibit Q Historic District Area.

11. Are there important federal, state or local natural resources, including waterways, wildlife refuges, wetlands, or critical habitats or endangered or threatened species within ½ mile?

Yes. There is a National Wetland Inventory location roughly 1/8 mile from the site. *See* Exhibit M including Flood Zone Map, which is an Aerial Photo Overlaying the Wetland and Flood Plain Boundaries.

12. Are there floodplains within ½ mile?

Portions of the Site are located in a 100-year flood zone. *See* Exhibit M.

13. Are there any institutional controls currently applicable to the property?

None have been identified in the title report.

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

The western portion of the Site is an undeveloped wood lot. Saratoga County fairgrounds are located to the northwest of this wooded area. Porter's Auto Body Shop is adjacent, across Gordon Creek to the south. Ballston Spa Lanes bowling alley is to the southeast, across Bath Street. There are some private residences interspersed between these uses as depicted on the Adjacent Property Owner Map in Exhibit I.

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

The Site is approximately 244 feet above mean sea level, and situated at the bottom of a shallow valley. Half a mile north and south of the Site, elevations increase approximately 100 feet. Groundwater direction flows toward the intersection of Gordon and Kayaderosseras Creeks, approximately half a mile east-northeast of the Site. The depth to groundwater is approximately eight (8) feet below ground surface.

Soils are classified as Chenango silt loam, which are very deep and well-to-excessively drained, with high infiltration rates. These soils form on outwash plains, valley terraces, alluvial fans, associated kames, eskers, and fluvial parts or moraines. Permeability is moderate to moderately rapid. The parent material is gray sandstone, shale, siltstone, and limestone and igneous rock to a lesser extent. Bedrock is generally greater than five feet below ground surface.

Residences, which are located to the north, south, and east, are crossgradient to the site and are connected to municipal utilities. The village obtains its water from Great Flats Aquifer through the Town of Glenville, and the water meets USEPA drinking water standards. No public supply wells are located within 1,500 feet of the site. No potable or private domestic use wells are located downgradient from the site.

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

As noted above, area topography indicates that groundwater is expected to flow toward the intersection of Gordon and Kayaderosseras Creeks and that depth to groundwater is 0-8 feet bgs. However, there are no public water supply wells within 1,500 feet of the site, and none

are downgradient from the site. *See* Phase I Report at ii; 6. No private use wells were identified in the area surrounding the Site or downgradient from the Site. The residential areas to the north, south and east receive their water from the Great Flats Aquifer in Glenville, New York and are connected to a public water supply system. It is possible contaminated groundwater may have migrated from the Site due to former tannery operations. However, if such migration has occurred, there does not appear to be a possible impact to wellhead protection or groundwater recharge areas. *See* Phase I Report at 6.

NYS Department of State

Division of Corporations

Entity Information

The information contained in this database is current through July 19, 2011.

Selected Entity Name: ANGELICA TEXTILE SERVICES, INC.

Selected Entity Status Information

Current Entity Name: ANGELICA TEXTILE SERVICES, INC.

Initial DOS Filing Date: JANUARY 24, 1977

County: NEW YORK

Jurisdiction: NEW YORK

Entity Type: DOMESTIC BUSINESS CORPORATION

Current Entity Status: ACTIVE

Selected Entity Address Information

DOS Process (Address to which DOS will mail process if accepted on behalf of the entity)

C/O C T CORPORATION SYSTEM

111 EIGHTH AVENUE

NEW YORK, NEW YORK, 10011

Chairman or Chief Executive Officer

STUART MURRAY

1105 LAKEWOOD PKWY

STE 210

ALPHARETTA, GEORGIA, 30009

Principal Executive Office

ANGELICA TEXTILE SERVICES, INC.

1105 LAKEWOOD PKWY

STE 210

ALPHARETTA, GEORGIA, 30009

Registered Agent

C T CORPORATION SYSTEM

111 EIGHTH AVENUE

NEW YORK, NEW YORK, 10011

This office does not record information regarding

the names and addresses of officers, shareholders or directors of nonprofessional corporations except the chief executive officer, if provided, which would be listed above. Professional corporations must include the name(s) and address(es) of the initial officers, directors, and shareholders in the initial certificate of incorporation, however this information is not recorded and only available by viewing the certificate.

*Stock Information

# of Shares	Type of Stock	\$ Value per Share
800	Par Value	100

*Stock information is applicable to domestic business corporations.

Name History

Filing Date	Name Type	Entity Name
MAY 02, 1996	Actual	ANGELICA TEXTILE SERVICES, INC.
MAY 23, 1983	Actual	ANGELICA HEALTHCARE SERVICES GROUP, INC.
FEB 08, 1977	Actual	LINEN SYSTEMS FOR HOSPITALS, INC.
JAN 24, 1977	Actual	L.S.H.A., INC.

A **Fictitious** name must be used when the **Actual** name of a foreign entity is unavailable for use in New York State. The entity must use the fictitious name when conducting its activities or business in New York State.

NOTE: New York State does not issue organizational identification numbers.

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NYS Department of State

Division of Corporations

Entity Information

The information contained in this database is current through October 19, 2011.

Selected Entity Name: LINEN SYSTEMS FOR HOSPITALS, INC.

Selected Entity Status Information

Current Entity Name: ANGELICA TEXTILE SERVICES, INC.

Initial DOS Filing Date: JANUARY 24, 1977

County: NEW YORK

Jurisdiction: NEW YORK

Entity Type: DOMESTIC BUSINESS CORPORATION

Current Entity Status: ACTIVE

Selected Entity Address Information

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C/O C T CORPORATION SYSTEM

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Chairman or Chief Executive Officer

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34-50

This Indenture

Made the 7th day of January, Nineteen Hundred and Seventy-seven,
Between RICKETT'S, INC.

a corporation organized under the laws of the State of New York with offices at 125 Bath Street, Ballston Spa, New York,

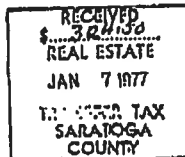
party of the first part, and
LINEN SYSTEMS FOR HOSPITALS, INC., a corporation organized under the laws of the State of New York with offices at 317 Linden Street, Scranton, Pennsylvania

party of the second part,
Witnesseth that the party of the first part, in consideration of ONE and no/100ths - - - - - Dollar (\$1.00 - -)
lawful money of the United States,

paid by the party of the second part, does hereby grant and release unto the party of the second part, its successors and assigns forever, all that certain parcel of land with buildings and improvements thereon, situate in the Village of Ballston Spa, Town of Milton, County of Saratoga and State of New York, lying on the westerly side of Bath Street and being bounded and described as follows: Beginning at a point in the westerly line of Bath Street at its intersection with the existing center line of Gordon Creek; said point of beginning being situate North 02 degrees 04 minutes 30 seconds East a distance of 161.17 feet along said Bath Street from the southeast corner of land described in a deed from Gordon Creek, Inc. to Paul J. Rickett, Sr. (Book 889 of Deeds - Page 574); thence from said point of beginning upstream along the existing center line of Gordon Creek the following Four (4) Courses: 1) South 64 degrees 58 minutes 04 seconds West a distance of 306.41 feet to a point; 2) South 67 degrees 24 minutes 28 seconds West a distance of 122.45 feet to a point; 3) North 89 degrees 41 minutes 02 seconds West a distance of 57.91 feet to a point; 4) South 83 degrees 21 minutes 43 seconds West a distance of 101.06 feet to a point on the railroad bridge over the Gordon Creek in the easterly line of lands now or formerly of the Delaware and Hudson Railroad Corporation; thence along said easterly line the following Four (4) Courses: 1) North 04 degrees 56 minutes 42 seconds East a distance of 49.10 feet to a point; 2) North 20 degrees 18 minutes 22 seconds East a distance of 312.33 feet to a point; 3) North 23 degrees 54 minutes 13 seconds East a distance of 386.90 feet to a point; 4) North 15 degrees 52 minutes 18 seconds East a distance of 110.96 feet to an existing concrete monument; thence along lands now or formerly of Thomas O. Manogue, South 83 degrees 12 minutes 52 seconds East a distance of 301.84 feet to an existing concrete monument in the westerly line of Bath Street; thence along said westerly line, South 06 degrees 16 minutes 13 seconds West a distance of 12.15 feet to an existing iron axle at the common corner with lands now or formerly of William Ryan; thence North 83 degrees 08 minutes 36 seconds West along said bounds passing through an existing concrete monument at a distance of about 161.2 feet marking the corner with lands of said Ryan and of the Village of Ballston Spa, a total distance of 234.04 feet to an existing concrete monument; thence continuing along lands of the Village, South 06 degrees 02 minutes 53 seconds West a distance of 48.18 feet to an existing concrete monument and South 83 degrees 17 minutes 35 seconds East a distance of 72.94 feet to an existing concrete monument at the northwest corner of lands now or formerly of Parmy Sentiwany; thence, along said lands South 06 degrees 19 minutes 16 seconds West a distance of 39.05 feet to an existing concrete monument and South 83 degrees 05 minutes 26 seconds East a distance of 160.95 feet to an existing concrete monument in the westerly line of Bath Street; thence, along said westerly line, South 06 degrees 14 minutes 17 seconds West a distance of 304.83 feet to an iron rod set and South 02 degrees 04 minutes 30 seconds West a distance of 176.12 feet to the point or place of beginning containing 6.351 Acres of land and shown on a survey of Robert J. MacFarlane entitled "Survey of a Portion of Lands of Paul J. Rickett, Sr. for Linen Systems for Hospitals, Inc." dated January 4, 1977.

BEING a portion of the premises conveyed by Paul J. Rickett, Sr. to the party of the first part by Warranty Deed dated April 21, 1975 and recorded April 24, 1975 in the Saratoga County Clerk's Office in Book 947, Page 1134.

Said premises are conveyed subject to the following: 1) Any and all easements, restrictions and reservations of record, insofar as any or all of the same are now in force and applicable; 2) The rights of any person or persons to the uninterrupted flow of Gordon Creek; 3) All applicable zoning and building laws, ordinances and regulations; 4) Betterment assessments, if any made after July 23, 1962.



2370

JAN 7 3 52 PM '77

Together with the appurtenances and all the estate and rights of the party of the first part in and to said premises.

To have and to hold the premises herein granted unto the party of the second part, its successors and assigns forever.

And the party of the first part covenants as follows:

First, That the party of the second part shall quietly enjoy the said premises; Second, That the party of the first part will forever warrant the title to said premises.

Third, That, in Compliance with Sec. 13 of the Lien Law, the grantor will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose.

In Presence of



In Witness Whereof, the party of the first part has caused its corporate seal to be hereunto affixed, and these presents to be signed by its duly authorized officer this 7th day of January Nineteen Hundred and Seventy-seven

RICKETT'S, INC.

By D. Stuart Rickett

State of New York | On this 7th day of January
County of SARATOGA | Nineteen Hundred and Seventy-seven
before me personally came

D. Stuart Rickett

to me personally known, who, being by me duly sworn, did depose and say that he resides in Ballston Spa, New York that he is the President of RICKETT'S, INC. the corporation described in, and which executed, the within instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation; and that, he signed his name thereto by like order.

John E. Rahn
Notary Public

BOOK 066 PAGE 935

10-16

READ

CORPORATE SEAL

RICKETT'S, INC. 3090

NO 1483

LINEN SYSTEMS FOR HOSPITALS, INC.

Dated: January 7, 1977

County of Saratoga, State of New York

RECORDED

7th day of Jan. 1977

at Saratoga Springs, N.Y.

in LIBER 977 of DEEDS

at PAGE 935 of the same

Henry C. Rahn

To: Abraham Siesel, Esq., 1344 Bleeker St. Utica, N.Y. 13501

5051



First American Title

First American Title Insurance Company
633 Third Avenue, 16th Floor
New York, NY 10017
(212)922-9700 - Fax (212)922-0881

October 10, 2011

First American Title Insurance Co. (MO)
911 Main Street, Suite 2500
Kansas City, MO 64105-5311
Attn: Todd Jones

RE: Title No.: 3008-364967
Premises: Bath Street,
Ballston Spa, New York
Block:
Lot:
Owner:

Dear Mr. Jones,

As per your request, we have searched the Saratoga County Clerk's Office for the last deeds of record against the above mentioned premises and have found the following:

Deed made by Paul J. Rickett, Sr. to Rickett's Inc. dated 4/21/75 recorded 4/24/75 in Liber 947 Page 1134. **(as to Lots 96.1 and 96.2)**

Deed made by Rickett's Inc to Linen Systems for Hospitals, Inc dated 1/7/77 recorded 1/7/77 in Liber 966 Page 933. **(as to Lot 96.2)**

For Information Only: See attached Name Change filed 10/8/08.

This search has been issued only for the benefit of the applicant to whom the search is addressed and is for information only and not guaranteed or insured. Liability for the search and the information provided herein, whether based on contract or negligence, is limited to the amount paid for the search.

If we can be of any further assistance, please feel free to call.

Very truly yours,

Veronica Kearney
Special Services

/VK



First American Title

First American Title Insurance Company

633 Third Avenue, 16th Floor

New York, NY 10017

Phone: (212)922-9700 / Fax: (212)922-0881

PR: NYORK

Ofc: 3008 (1375)

Final Invoice

To: First American Title Insurance Co. (MO)
911 Main Street
Suite 2500
Kansas City, MO 64105-5311

Invoice No.: 1375 - 300884596

Date: 10/10/2011

Our File No.: 3008-364967

Title Officer:

Escrow Officer:

Customer ID: 2057190

Attention: Todd G. Jones, Esq.

Your Reference No.:

RE: Property:
Bath Street, Ballston Spa, NY

Liability Amounts

Owners:

Lenders:

Buyers:

Sellers:

Description of Charge	Invoice Amount
Last Owner Search	\$125.00

INVOICE TOTAL \$125.00

Comments:

Thank you for your business!

*To assure proper credit, please send a copy of this Invoice and Payment to:
Attention: Accounts Receivable Department*

72.50

This Indenture

Made this *21st* day of *April*

Nineteen Hundred and Seventy-five

Between **PAUL J. RICKETT, SR.**, residing at 28 East North Street,
Ballston Spa, New York,

party of the first part, and

RICKETT'S CONSTRUCTION COMPANY, INC., a corporation organized
under the laws of the State of New York, having principal place of
business at Bath Street, Ballston Spa, New York,

party of the second part,

Witness that the *party of the first part, in consideration of ONE*

Dollar (\$1.00)

lawful money of the United States, and other good and valuable consideration
paid by the *party of the second part*, do **hereby grant and release unto the**
party of the second part, its administrators
and assigns forever, all THAT PACE OR PARCEL OF LAND, situate in the Town
of Milton, Village of Ballston Spa, County of Saratoga and State of
New York:

BEGINNING at a point in the westerly side of Bath Street at the
northeast corner of property now or formerly of Nancy Clements, which
point is distant 124.00 feet northerly as measured along the westerly
side of Bath Street from its intersection with the northerly side of
Washington Street; thence northerly along the west side of Bath Street
north 2 degrees 04 minutes 30 seconds east 337.29 feet and north 6
degrees 15 minutes 00 seconds east 304.92 feet to land now or formerly
of Joseph Salvato; thence along said land north 83 degrees 12 minutes
00 seconds west 161.00 feet and north 6 degrees 15 minutes 00 seconds
east 40.00 feet to land now or formerly of Ballston Spa National Bank;
thence along said land north 83 degrees 12 minutes 00 seconds west
73.00 feet and north 6 degrees 15 minutes 00 seconds east 46.00 feet
to the northwest corner thereof; thence continuing along said land and
along land now or formerly of Mrs. John Ryan south 83 degrees 12 minutes
00 seconds east 234.00 feet to the west side of Bath Street; thence
along said street north 6 degrees 15 minutes 00 seconds east 12.00
feet to land now or formerly of Thomas O. Nemoque; thence along said
land north 83 degrees 12 minutes 00 seconds west 302.49 feet to land
of the Delaware and Hudson Railroad Corporation; thence along said land
the following courses and distances: South 15 degrees 27 minutes 53
seconds west 121.50 feet; south 23 degrees 54 minutes 13 seconds west
306.90 feet; south 20 degrees 18 minutes 22 seconds west 312.93 feet
and south 4 degrees 56 minutes 42 seconds west 49.10 feet to the center
of Gordon Creek; thence along the center of said creek north 83 degrees
21 minutes 43 seconds east 101.06 feet to land formerly of Salvatore A.
Sitaro and Raffaella Sitaro, his wife; thence along said land south 4
degrees 56 minutes 42 seconds west 22.00 feet to land now or formerly
of said Salvatore A. Sitaro and Raffaella Sitaro, his wife; thence along
said land north 84 degrees 28 minutes 22 seconds east 56.06 feet and
north 67 degrees 26 minutes 42 seconds east 41.54 feet to land now or
formerly of Rudolph Koch and Peter David; thence along said land north
4 degrees 56 minutes 42 seconds east 4.44 feet; north 67 degrees 10
minutes 17 seconds east 37.83 feet and south 3 degrees 02 minutes 43
seconds west 83.60 feet to the north side of Washington Street; thence
along the north side of said street south 83 degrees 58 minutes 17
seconds east 142.07 feet; thence north 5 degrees 25 minutes 43 seconds

SM 947 MC1134

east 113.97 feet to the northwest corner of land now or formerly of MARY
Clements; thence along said land now or formerly of MARY Clements south
83 degrees 58 minutes 17 seconds east 167.64 feet to the point and place
of beginning.

ACCEPTING AND RESERVING all of the following described car wash property:
Lots #103, #103A, and #104, located on the east side of Bath Street and
south of Gordon Creek. The lot is bounded on the south by Slano, on
the west by Lot #108, on the north by the Gordon Creek, and on the east
by Bath Street.

MAKING A PORTION of the premises conveyed by Thomas A. Diab to Gordon
Creek, Inc., by deed dated June 30, 1969 and recorded in the Saratoga
County Clerk's Office on July 11, 1969, in Book 655 of Deeds, at Page 22.

ACCEPTING AND RESERVING all conveyances of record and specifically a
separate deed from Thomas A. Diab et al. to County of Saratoga dated
December 31, 1965 and recorded in the Saratoga County Clerk's Office
April 28, 1966, in Book 788 of Deeds at Page 138.

THE PROPERTY HEREIN DESCRIBED is granted subject to all legal leases
outstanding as of the date of this instrument.

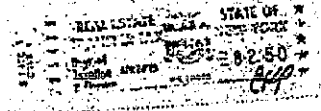
THERE IS HEREBY MENTIONED in the title a legal document or documents
between grantor's predecessors in interest and one Larson Land Corpora-
tion, which agreement was dated July 26, 1956, and recorded in the
Saratoga County Clerk's Office on August 21, 1956, in Book 631 at Page
359.

SAID PREMISES are conveyed subject to the following:

- (1) Any and all assessments, restrictions and reservations of record,
insofar as any or all of the same are now in force and applicable;
- (2) Any state of facts which a current survey of said premises
would reveal;
- (3) The rights of any person or persons to the uninterrupted
flow of Gordon Creek;
- (4) All applicable zoning and building laws, ordinances and regu-
lations;
- (5) Retardment assessments, if any, made after July 23, 1962.

SAID PREMISES are conveyed together with all heating systems, plumbing
system and electric wiring, switches, panel boards and transformers in
said premises owned by the party of the first part.

MAKING the same premises described in a deed from Gordon Creek, Inc. to
PAUL J. Rickett, Sr. dated March 26, 1971 and recorded in the Saratoga
County Clerk's Office on March 26, 1971 in Book 889 of Deeds at Page 574.



154-16

This Indenture, Made the 7th day of January Nineteen Hundred and Seventy-seven, Between RICKETT'S, INC.

a corporation organized under the laws of the State of New York with offices at 125 Bath Street, Ballston Spa, New York,

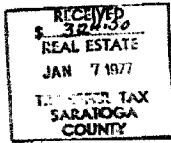
partly of the first part, and LINEN SYSTEMS FOR HOSPITALS, INC., a corporation organized under the laws of the State of New York with offices at 317 Linden Street, Scranton, Pennsylvania

partly of the second part, Wherewith that the party of the first part, in consideration of ONE and no/100ths - Dollar (\$1.00 - -)

lawful money of the United States, paid by the party of the second part, does hereby grant and release unto the party of the second part, its successors and assigns forever, all that certain parcel of land with buildings and improvements thereon, situate in the Village of Ballston Spa, Town of Milton, County of Saratoga and State of New York, lying on the westerly side of Bath Street and being bounded and described as follows: Beginning at a point in the westerly line of Bath Street at it's intersection with the existing center line of Gordon Creek; said point of beginning being situate North 02 degrees 04 minutes 30 seconds East a distance of 161.17 feet along said Bath Street from the southeast corner of land described in a deed from Gordon Creek, Inc. to Paul J. Rickett, Sr. (Book 889 of Deeds - Page 574); thence from said point of beginning upstream along the existing center line of Gordon Creek the following Four (4) Courses: 1) South 54 degrees 58 minutes 04 seconds West a distance of 106.41 feet to a point; 2) South 67 degrees 24 minutes 28 seconds West a distance of 122.45 feet to a point; 3) North 89 degrees 41 minutes 02 seconds West a distance of 57.91 feet to a point; 4) South 83 degrees 21 minutes 43 seconds West a distance of 101.86 feet to a point on the railroad bridge over the Gordon Creek in the easterly line of lands now or formerly of the Delaware and Hudson Railroad Corporation; thence along said easterly line the following Four (4) Courses: 1) North 04 degrees 56 minutes 42 seconds East a distance of 49.10 feet to a point; 2) North 20 degrees 18 minutes 22 seconds East a distance of 312.33 feet to a point; 3) North 23 degrees 54 minutes 13 seconds East a distance of 386.90 feet to a point; 4) North 15 degrees 52 minutes 18 seconds East a distance of 110.96 feet to an existing concrete monument; thence along lands now or formerly of Thomas O. Manogue, South 83 degrees 12 minutes 52 seconds East a distance of 301.84 feet to an existing concrete monument in the westerly line of Bath Street; thence along said westerly line, South 06 degrees 16 minutes 13 seconds West a distance of 12.15 feet to an existing iron axle at the common corner with lands now or formerly of William Ryan; thence North 83 degrees 08 minutes 36 seconds West along said bounds passing through an existing concrete monument at a distance of about 161.2 feet marking the corner with lands of said Ryan and of the Village of Ballston Spa, a total distance of 234.04 feet to an existing concrete monument; thence continuing along lands of the Village, South 06 degrees 02 minutes 55 seconds West a distance of 48.18 feet to an existing concrete monument And South 83 degrees 17 minutes 35 seconds East a distance of 72.94 feet to an existing concrete monument at the northwest corner of lands now or formerly of Parry Sentiwany; thence, along said lands South 06 degrees 19 minutes 16 seconds West a distance of 39.85 feet to an existing concrete monument and South 83 degrees 05 minutes 26 seconds East a distance of 160.95 feet to an existing concrete monument in the westerly line of Bath Street; thence, along said westerly line, South 06 degrees 14 minutes 17 seconds West a distance of 304.81 feet to an iron rod set And South 02 degrees 04 minutes 30 seconds West a distance of 176.12 feet to the point or place of beginning containing 6.351 Acres of land and shown on a survey of Robert J. MacFarlane entitled "Survey of a Portion of Lands of Paul J. Rickett, Sr. for Linen Systems for Hospitals, Inc." dated January 4, 1977.

BEING a portion of the premises conveyed by Paul J. Rickett, Sr. to the party of the first part by Warranty Deed dated April 21, 1975 and recorded April 24, 1975 in the Saratoga County Clerk's Office in Book 947, Page 1134.

Said premises are conveyed subject to the following: 1) Any and all easements, restrictions and reservations of record, insofar as any or all of the same are now in force and applicable; 2) The rights of any person or persons to the uninterrupted flow of Gordon Creek; 3) All applicable zoning and building laws, ordinances and regulations; 4) Betterment assessments, if any made after July 23, 1962.



2370

JAN 7 3 28 PM '77

Together with the appurtenances and all the estate and rights of the party of the first part in and to said premises.

To have and to hold the premises herein granted unto the party of the second part, its SUCCESSORS of the and assigns forever.

And the party of the first part covenants as follows:

First, That the party of the second part shall quietly enjoy the said premises;
Second, That the party of the first part will forever Warrant the title to said premises.

Third, That, in Compliance with Sec. 11 of the Lien Law, the grantor will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the cost of the improvement before using any part of the total of the same for any other purpose.

In Presence of



In Witness Whereof, the party of the first part has caused its corporate seal to be hereunto affixed, and these presents to be signed by its duly authorized officer this 7th day of January Nineteen Hundred and Seventy-seven

RICKETT'S, INC.

By D. Stuart Rickett

State of New York
County of Saratoga
before me personally came

On this 7th day of January
Nineteen Hundred and Seventy-seven

D. Stuart Rickett

to me personally known, who, being by me duly sworn, did depose and say that he resides in Ballston Spa, New York that he is the President of RICKETT'S, INC. the corporation described in, and which executed, the within instrument; that he knows the seal of said corporation; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said corporation; and that, he signed his name thereto by like order.

J. H. Boh
Notary Public

DOE 066 REC 935

RECORDED

REGISTERED
RICKETT'S, INC. 3090

NO 1483
LINEN SYSTEMS FOR HOSPITALS, INC.

Filed January 7, 1977

STATE OF NEW YORK
County of Saratoga
RECORDED
7 days after 1/11/77
163.500
LIBER 935 of DEEDS
at PAGE 935
J. H. Boh

To: Arthur, Street, 46, 1st Floor
124 Bleeker St
Albany, NY 12201

1/6

055

STATE OF NEW YORK
DEPARTMENT OF STATE

I hereby certify that the annexed copy has been compared with the original document in the custody of the Secretary of State and that the same is a true copy of said original.



WITNESS my hand and official seal of the
Department of State, at the City of Albany, on
June 27, 2008.

Paul LaPointe

Paul LaPointe
Special Deputy Secretary of State

2000211612964



Kathleen A Marchione Saratoga Co Clerk

2000034261 \$25.00

10/7/2008 01:25:30 PM

6 Pages
INCORPORATIONS

FILED

Rev. 06/07

Filed 10/7/08

THE UNIVERSITY OF THE STATE OF NEW YORK
THE STATE EDUCATION DEPARTMENT
ALBANY, NEW YORK 12244

OFFICE OF THE COUNSEL

May 18, 1983

982910

TO: Department of State
Division of Corporations

FROM: Office of Counsel and
Deputy Commissioner for Legal Affairs

By: Mary L. Gammon *Mary L. Gammon*
Legal Assistant *- JLS*

SUBJECT: LINEN SYSTEMS FOR HOSPITALS, INC. changing
name to: ANGELICA HEALTHCARE SERVICES GROUP,
INC.

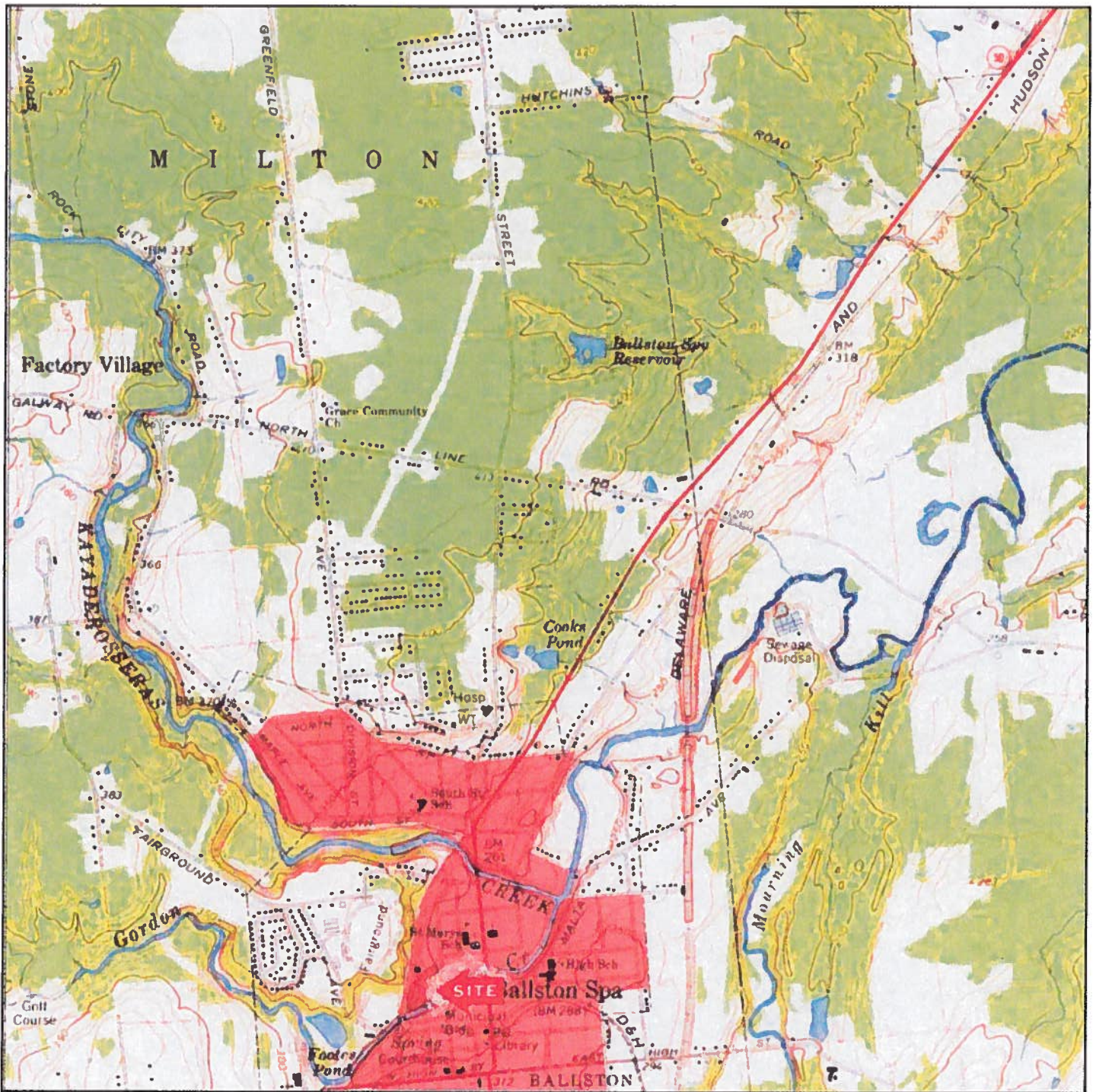
REFERENCE: Proposed Certificate of Amendment

982910
The attached document was submitted to this Office for review to determine whether the provisions of section 216 of the Education Law require the consent of the Commissioner of Education to its filing with the Department of State, or whether the Education Department would have any objections to its filing.

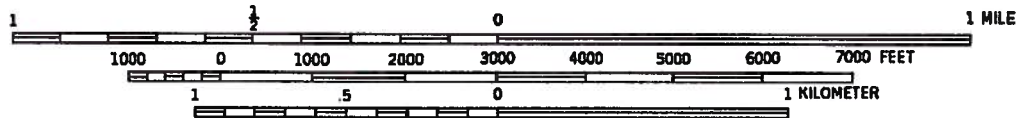
After review it is the opinion of this Office that there is no necessity for the Commissioner to consent to filing, and that we have no objection to such filing.

This waiver of consent to filing is granted with the understanding and upon the conditions set forth on the reverse side of this memorandum.

Attachment



Scale 1: 24 000
Contour Interval 10 Feet



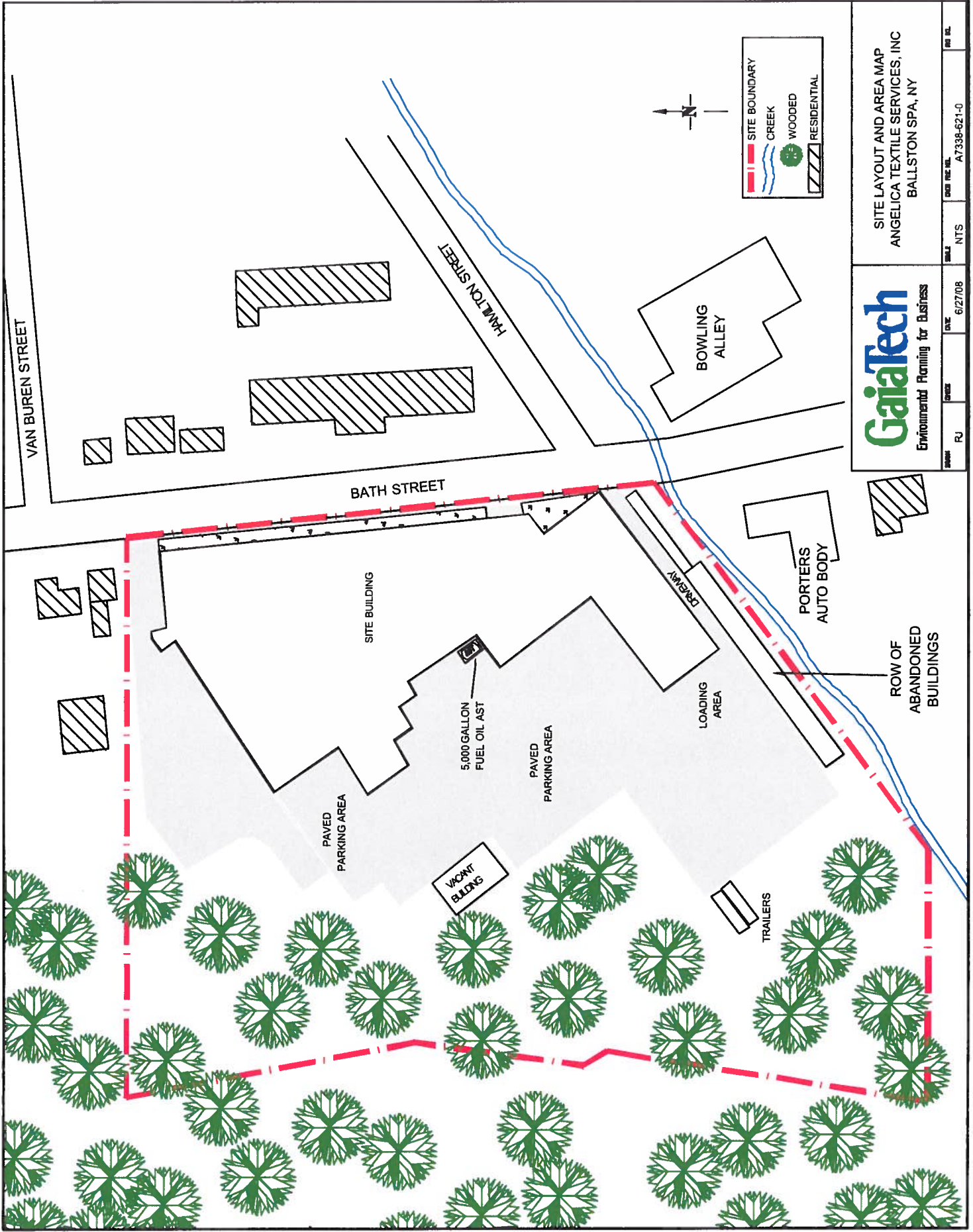
UNITED STATES GEOLOGICAL SURVEY
SARATOGA SPRINGS QUADRANGLE
NEW YORK
7.5 MINUTE SERIES (TOPOGRAPHIC)



Quadrangle Location

1967





SITE LAYOUT AND AREA MAP
 ANGELICA TEXTILE SERVICES, INC
 BALLSTON SPA, NY

DATE	6/27/08	DATE PREP	A7338-621-0	PREP BY
SCALE	NTS			
STATUS	PL			

Village of
Ballston Spa

73
48
37
73

10
411
161
10
161
40
11
161

STREET

315(S)

REMAINDER

PART OF
216 32-1 -96

MATCH / LINE
MATCH / LINE

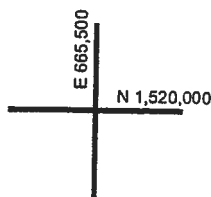
PART OF
216.23-01-04

MATCH / LINE
MATCH / LINE

FOR REMAINDER
SEE 216 24

96.2
6.35A

480.95



Creek

Gordon

187(S)

428.86

1

55(S)

168(S)

2

164(S)

170(S)

3

38

175

4

37.98

174.57

96.1

145

20.2

57(S)

57.91

5(S)

42(S)

37(S)

23(S)

95

80(S)

80(S)

22(S)

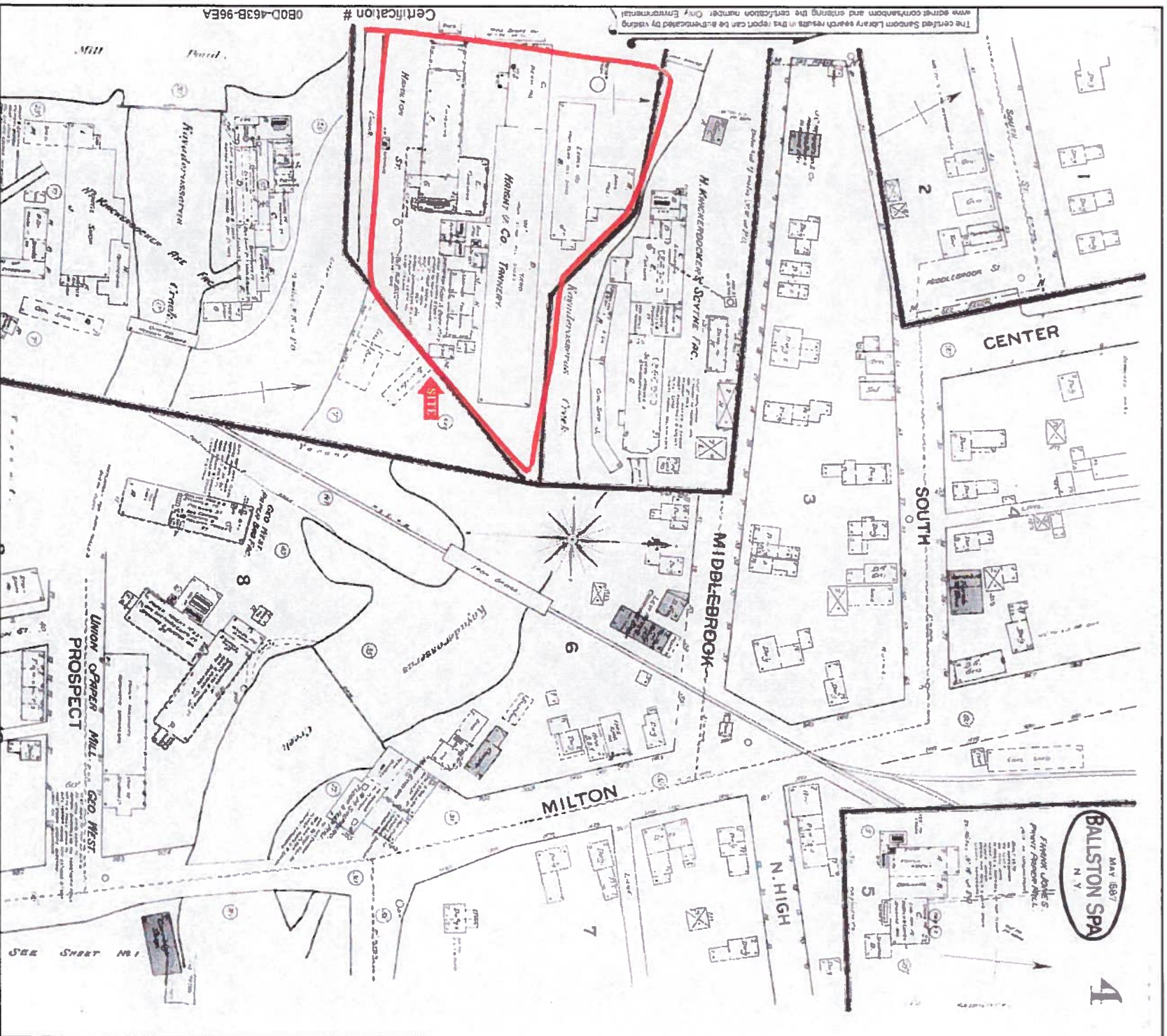
15(S)

152(S)

36

38

38

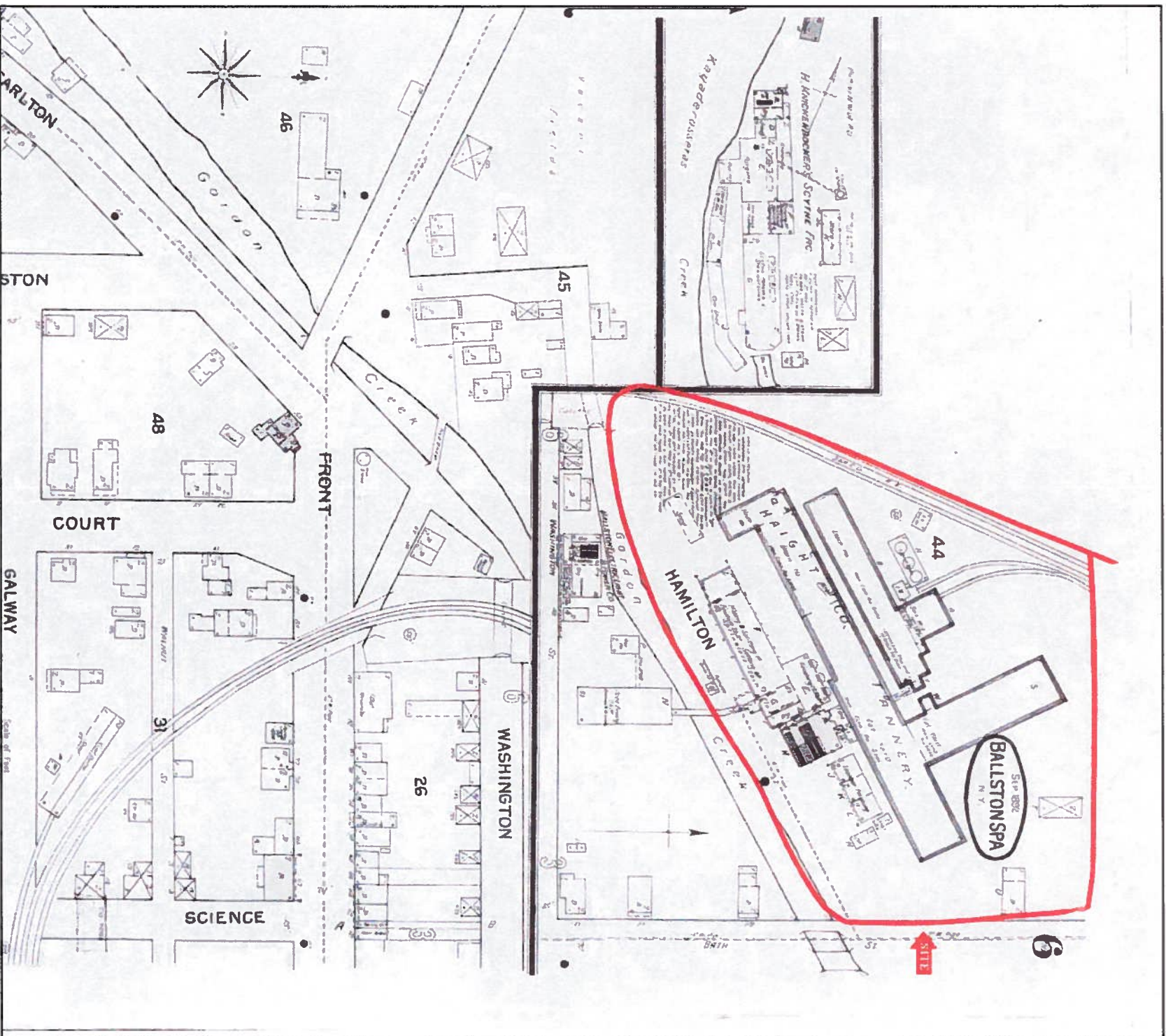


Scale: Undetermined

Historical Fire Insurance Map

1887



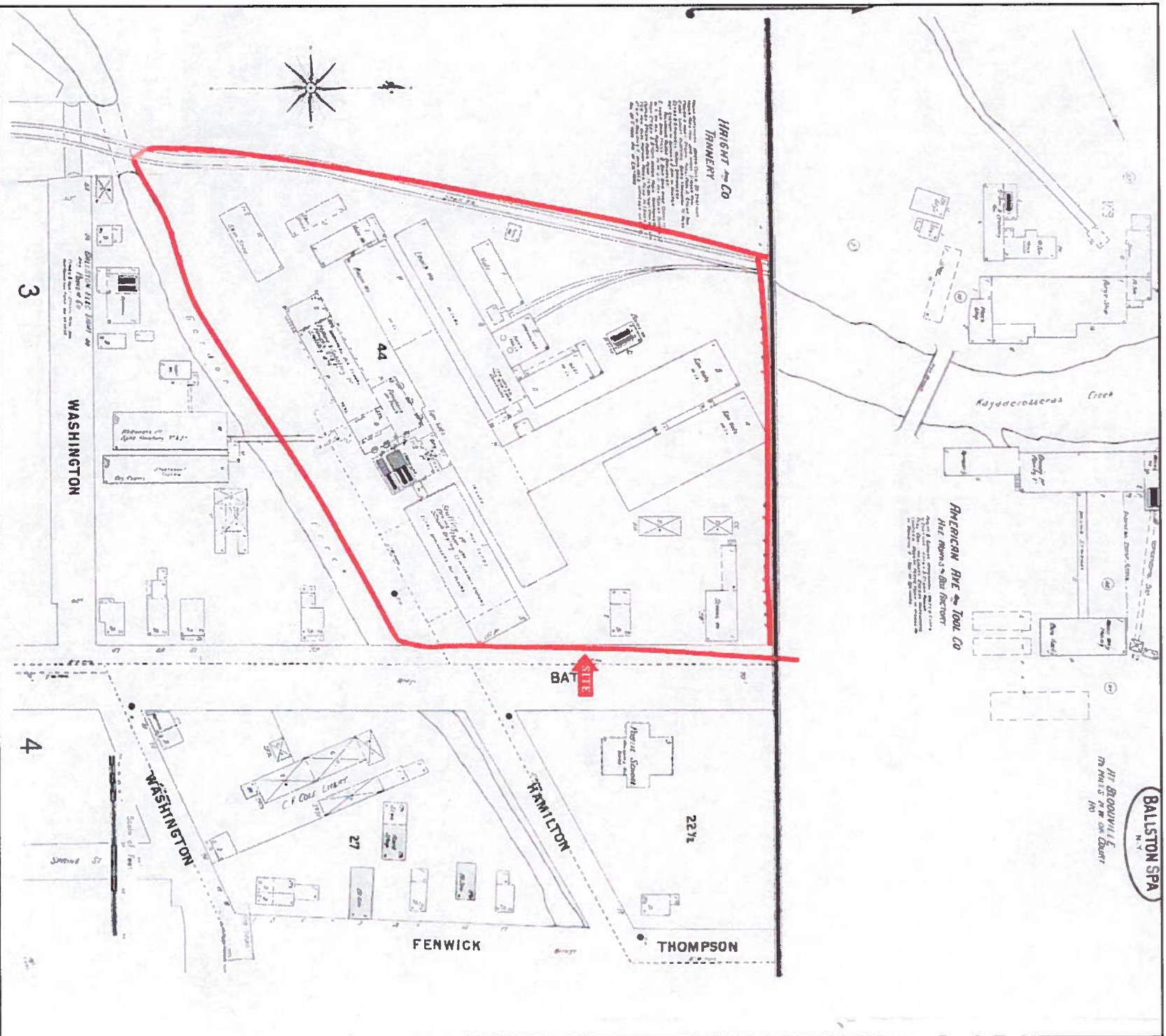


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Historical Fire Insurance Map

1892



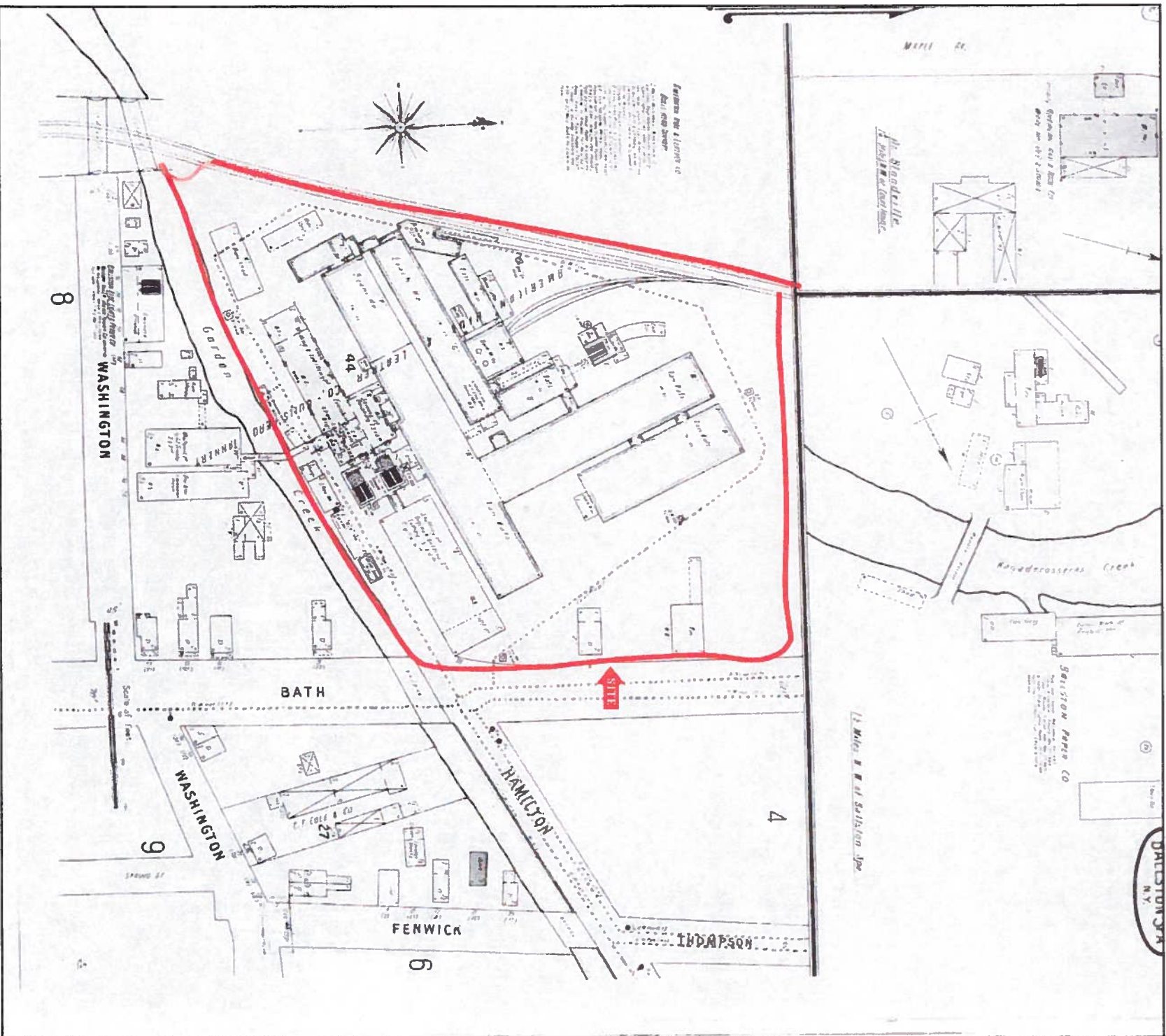


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Historical Fire Insurance Map

1897



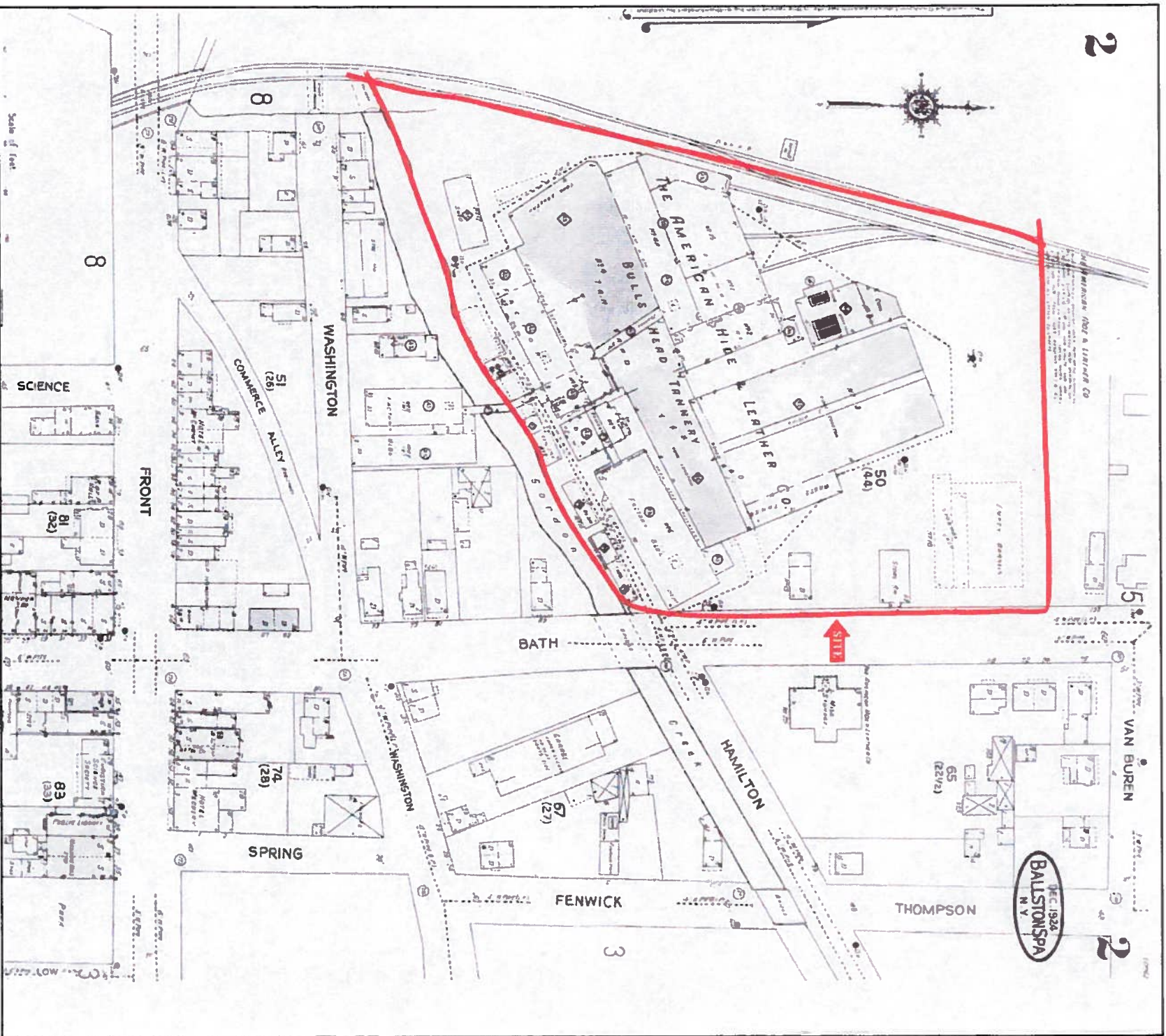


Scale: Undetermined

Historical Fire Insurance Map

1904



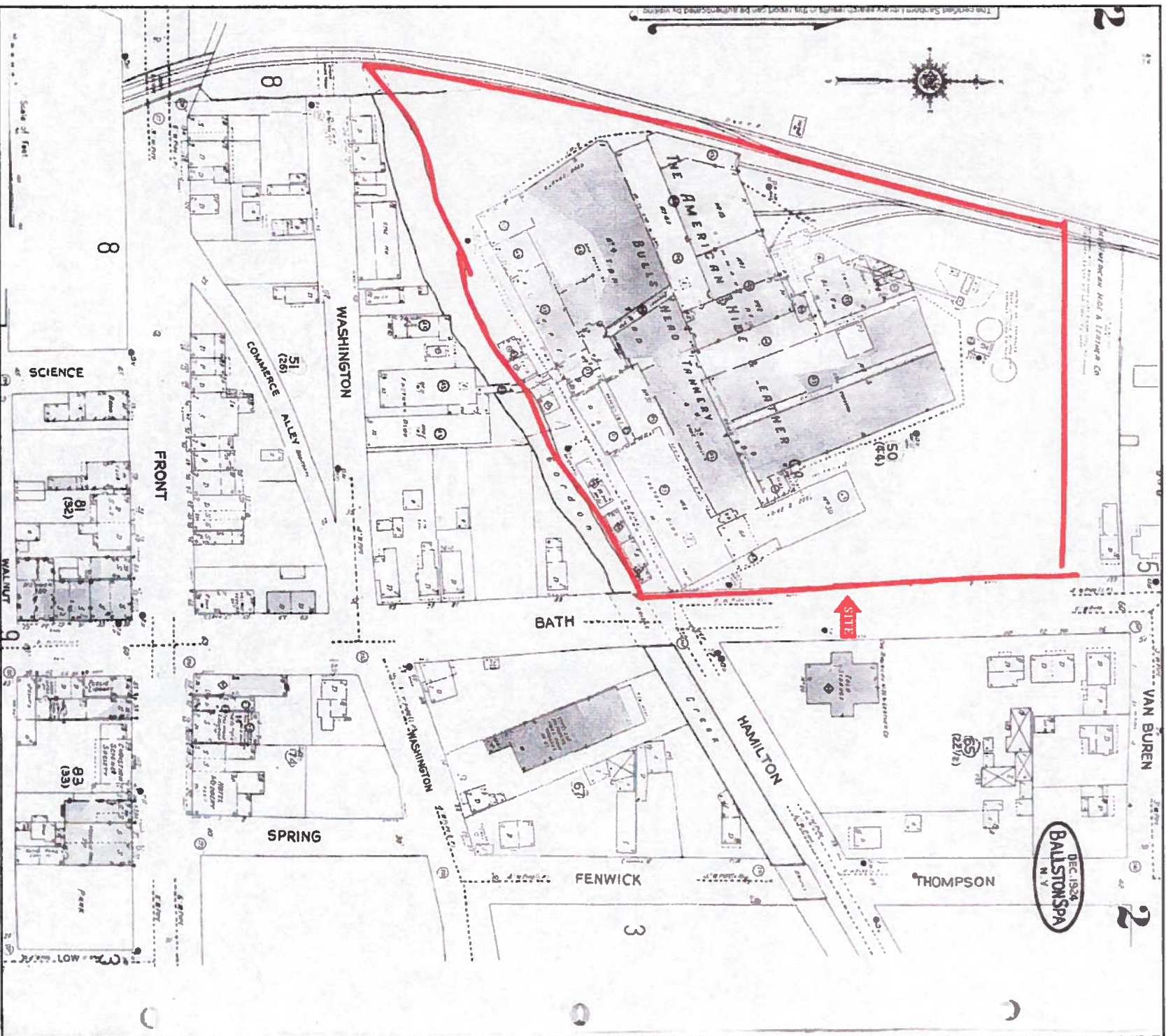


Scale: Undetermined

Historical Fire Insurance Map

1924



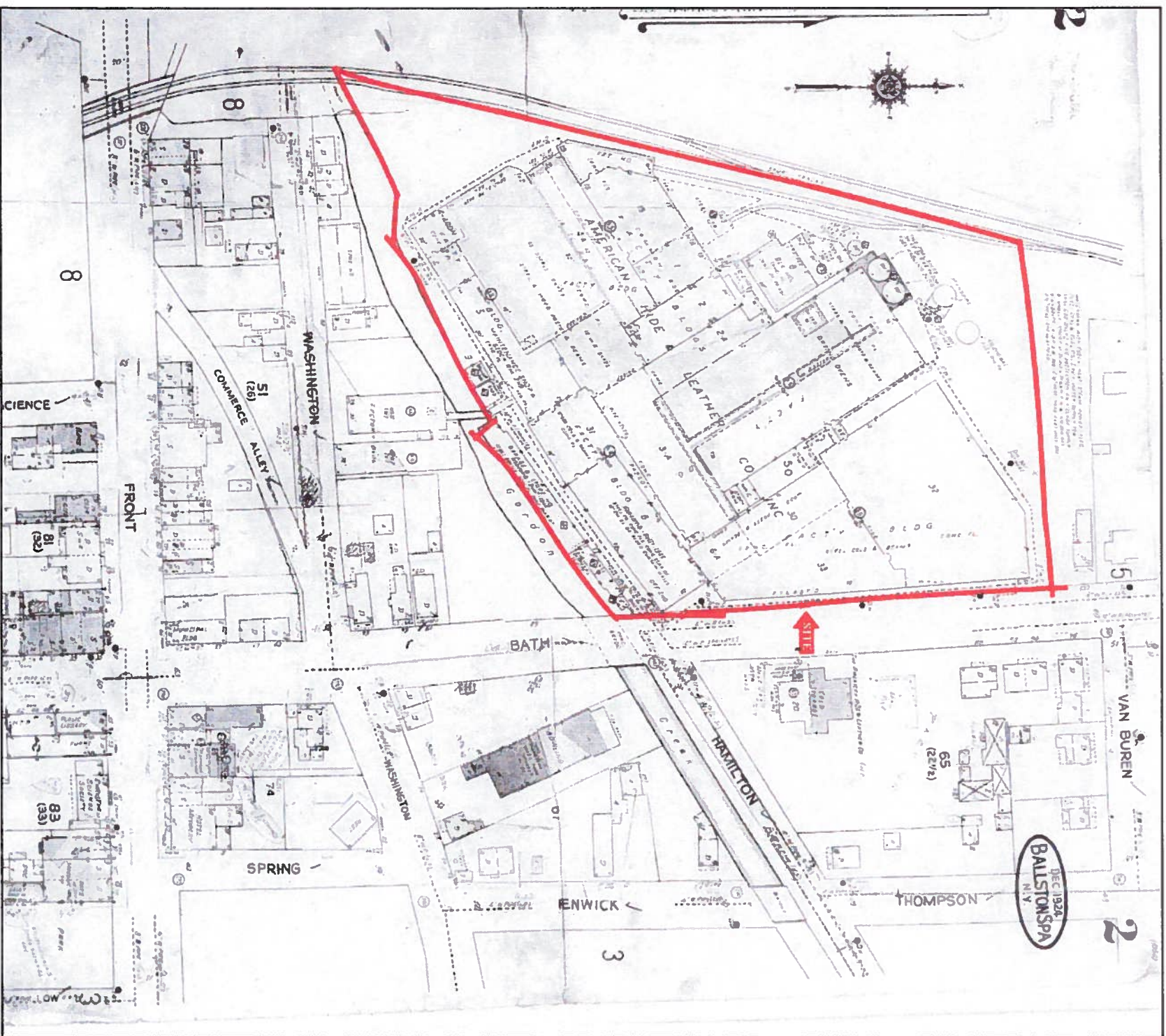


Scale: Undetermined

Historical Fire Insurance Map

1944





Scale: Undetermined

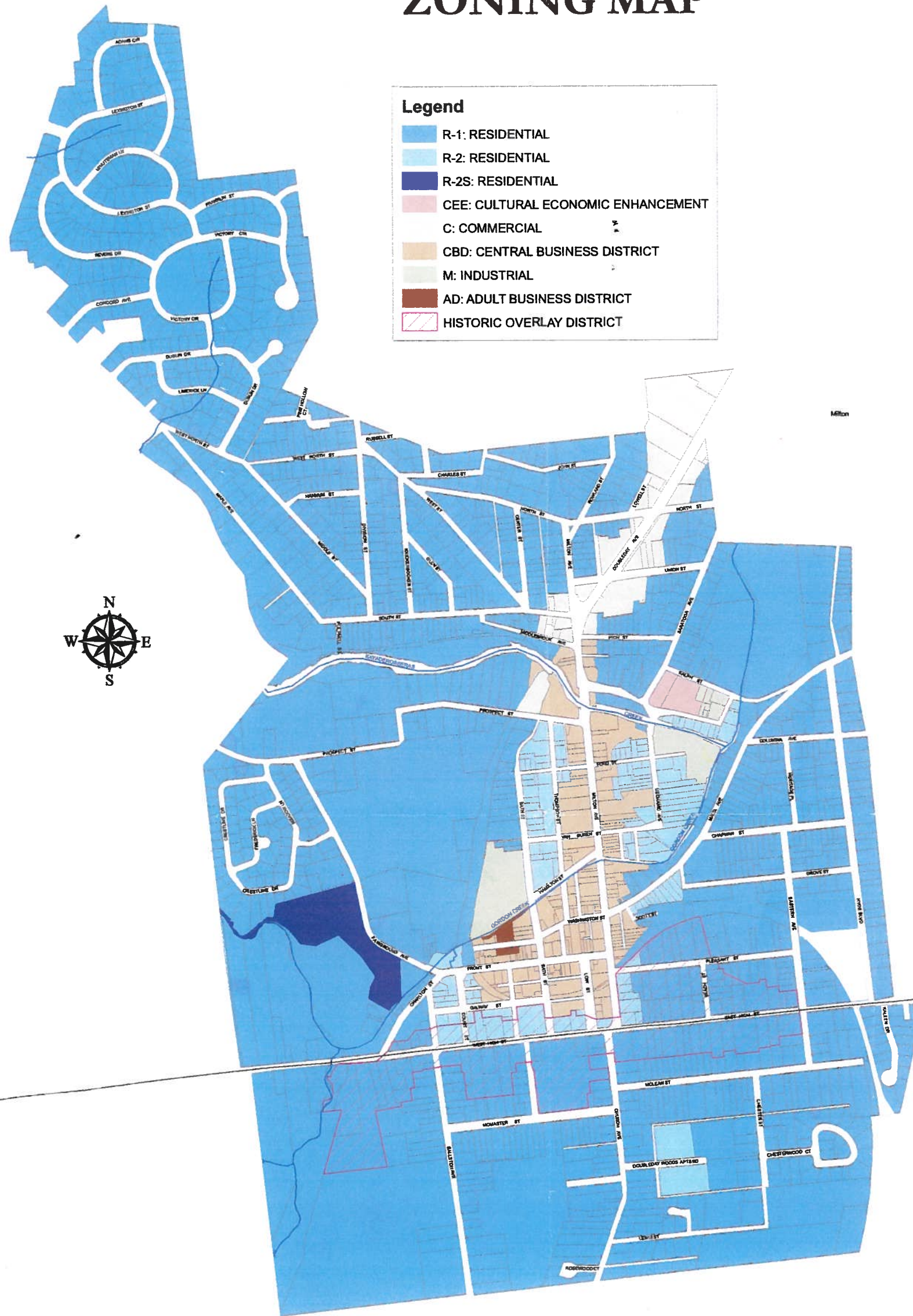
Historical Fire Insurance Map

1950

VILLAGE OF BALLSTON SPA ZONING MAP

Legend

- R-1: RESIDENTIAL
- R-2: RESIDENTIAL
- R-2S: RESIDENTIAL
- CEE: CULTURAL ECONOMIC ENHANCEMENT
- C: COMMERCIAL
- CBD: CENTRAL BUSINESS DISTRICT
- M: INDUSTRIAL
- AD: ADULT BUSINESS DISTRICT
- HISTORIC OVERLAY DISTRICT

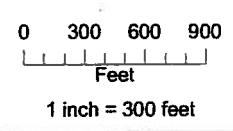


Saratoga Springs

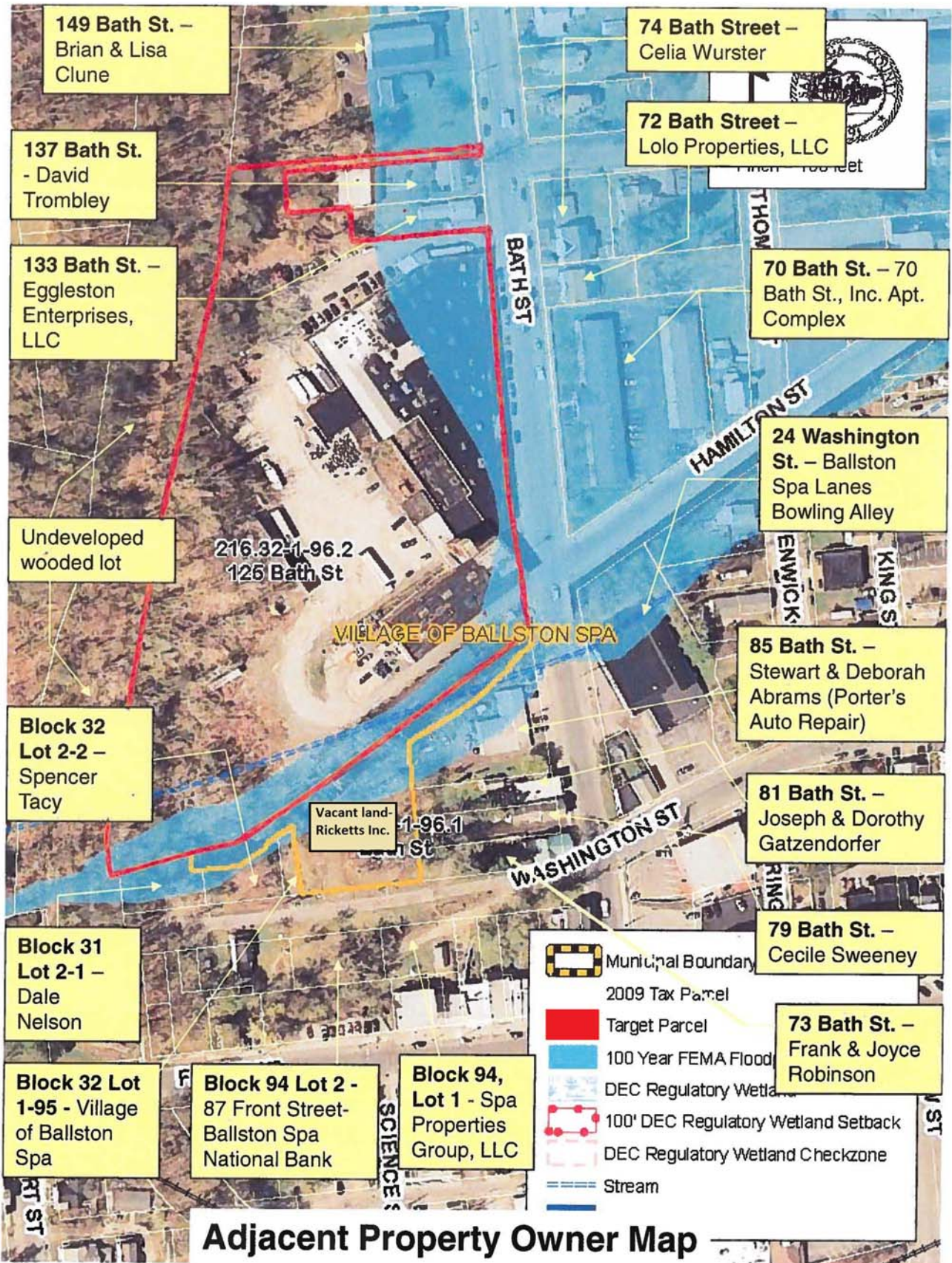
Milton

Malta

Ballston



DATE: 01/18/2010



Adjacent Property Owner Map



ECI

Environmental Compliance, Inc.

“Experience Worldwide”

Ms. Linda R. Shaw, Esq.
Knauf Shaw LLP
2 State Street
Suite 1125
Rochester, NY 14614

March 16, 2012

**Re: Angelica Textile Services, Inc., 125 Bath St., Ballston Spa, Saratoga County,
New York; Spill No. 1004405**

Dear Ms. Shaw:

This letter report summarizes the petroleum excavation work that has taken place at the Angelica Textile Services, Inc. facility located at 125 Bath Street, Ballston Spa, New York from July 2010 until June 2011.

Angelica Ballston Spa Petroleum Excavation Summary (3/5/12)

On or about 7/20/2010, a test pit was excavated due to a petroleum type substance coming up through the parking lot asphalt on the North side of the property, observed by a site employee. NYSDEC STARS analysis was performed on the substance. The DEC was notified and Spill No. 1004405 was assigned to the “spill”.

On September 29, 2010, excavation work was performed in and around the area of the discovered petroleum. Approximately 102.07 tons of petroleum contaminated soil (PCS) was removed and sent to Environmental Soil Management Inc. (ESMI) for incineration. ECI’s subcontractor Galloway Technical Services (GTS) left the excavation site on or about October 1, 2010 due to wet weather issues.

On October 18th, 2010, further excavation was performed until October 21, 2010. PCS stock was piled on-site for disposal.

On November 28th through December 13th, 2010, further excavation was performed in an attempt to fully determine the extent of the PCS. Approximately 270.7 tons of additional PCS was removed from the site and sent to the Colonie Landfill and 14,933 gallons of ground water were sent to a wastewater treatment facility. The 270.7 tons of PCS sent to the landfill represented PCS that had been excavated from the pit since October 2010. In addition, there was still an undetermined amount of PCS that had been stock piled and remained on-site.

On May 21, 2011 through June 17, 2011, further excavation was performed again. GTS removed an additional 379.26 tons of PCS which was sent to the Fulton County Landfill and 54,112 gallons to a wastewater treatment facility. The remnants of the vertical steel wall and bottom of the tank and concrete pad was cut up and sent for recycling and disposal. These were believed to be the remnants of the above ground 100,000 gallon vertical steel tank and structural support pad. On or about June 17, 2011, leather scraps were unearthed and the excavation was halted. There is a current stock pile(s) of petroleum contaminated leather scrap on-site as well as a Baker 20,000 gallon tank used to store ground water from the excavation.

All of the above excavation started at the location of the initial test pit and moved on an outward direction from the initial point in an attempt to delineate the contaminated area. Despite several rounds of excavation the full extent of the PCS was not yet determined because tannery related material was uncovered. There were 18 laboratory reports prepared by Paradigm Environmental Services, Inc. of which five (5) of the total 18 reports were re-issued reports. The list of the laboratory reports is as follows:

Lab Project Number	Project Name	Report Complete Date
10-3425	Angelica/ B. Spa	8/30/2010
10-3425R	Angelica/ B. Spa	9/7/2010
10-4046	Angelica - Ballston Spa	10/11/2010
10-2717	Angelica Ballston Spa	7/8/2010
10-2717R	Angelica Ballston Spa	7/16/2010
10-4859R	Angelica - Ballston Spa	12/3/2010
10-4888	Angelica - Ballston Spa	12/8/2010
10-4929	Angelica - Ballston Spa	12/6/2010
10-4942	Angelica - Ballston Spa	12/7/2010
10-4961	Ballston Spa - Angelica	12/9/2010
10-4961R	Ballston Spa - Angelica	12/10/2010
11-0486	ATS/Ballston Spa	2/16/2011
11-2112	Angelica, Ballston Spa	6/3/2011
11-2158	Angelica-Ballston Spa	6/2/2011
11-2159	Angelica-Ballston Spa	6/7/2011
11-2159R	Angelica Ballston Spa	6/8/2011
11-2213	Angelica Textiles - Ballston Spa	6/10/2011
11-2370	Angelica Ballston Spa	6/15/2011

Note: There are 18 total lab reports dated from 8/30/2010 through 6/15/2011 for the project due to disposal facility laboratory analysis requirements. However, it should be noted that five (5) lab reports were re-issued reports based on different disposal facility report requirements. In addition, it should be noted that all of the PCS that was tested prior to June 2011 has been removed from the site and has either been incinerated or disposed of at an appropriate landfill with laboratory tests results that confirm the proper disposal of the PCS.

The following table, Table 1 contains the laboratory results that were greater than the “Soil Cleanup Objectives” listed in either Table 6NYCRR Part 375-6(a) or (b):

Table 1			
Lab Results Greater Than Unrestricted and Restricted Residential Use Soil Cleanup Objectives Level			
Lab Project Number & Compound	Lab Report Result (ppm)	Table 6NYCRR Part 375-6(a) Objective (ppm)	Table 6NYCRR Part 375-6.8(b) Objective (ppm)
Lab No. 10-3425			
Arsenic	30.3	13	16
Barium	9610	350	400
Chromium	509	~30	~180
Lead	252	63	400
Mercury	0.524	0.18	0.81
Benzo (a) anthracene	14.9	1	1
Benzo (a) pyrene	25.1	1	1
Chrysene	32.8	1	3.9
Pyrene	104	100	100
Acetone	0.397	0.05	100
Lab No. 10-4046			
Arsenic	32.6	13	16
Barium	2860	350	400
Chromium	765	~30	~180
Lead	371	63	400
Mercury	0.872	0.18	0.81
Benzo (a) anthracene	17.9	1	1
Benzo (a) pyrene	15.4	1	1
Benzo (b) fluoranthene	13.2	1	1
Benzo (k)fluoranthene	10	0.8	3.9
Chrysene	15.9	1	3.9
Dibenz (a,h) anthracene	2.33	0.33	0.33
Indeno (1,2,3-cd) pyrene	8.15	0.5	0.5

Note: The above lab report results are for those results that exceeded either Table 375-6(a) or (b) unrestricted or restricted residential Soil Cleanup Objective levels. It should be noted that a number of lab report results that were identified as non-detect had detection limits greater than the cleanup objective levels; these were not included in the above results.

Note: There were a total of 18 laboratory reports issued for the project, with five (5) of these laboratory reports re-issued based on specific disposal facility requirements. The vast majority of laboratory reports were generated to determine disposal alternatives and were not used to determine if the soil met specific cleanup objectives. Only two (2) laboratory reports were used to determine the type of petroleum compounds potentially contained in the excavation pit: Lab Numbers. 10-3425 and 10-4046. The total metals analysis was required for disposal at the incinerator. These two lab reports (i.e., sampling effort) were performed early on in the project and were used as the basis for the data summary table above.

The source of the petroleum contamination is in the vicinity of what was historically a large above ground vertical storage tank. However, the tank and associated piping was previously removed/demolished with one exception of the tank bottom and about 7 feet of collapsed wall. At the beginning of December 2010, GTS, Environmental Compliance, Incorporated's (ECI's) subcontractor, uncovered the bottom portion of what is thought to have been a vertical above ground 100,000 gallon No. 6 fuel oil steel tank. The tank was estimated to be about 25 feet in diameter; this would estimate the height of the tank to be about 27 to 30 feet tall in order to contain 100,000 gallons. What remained of the bottom portion of the tank (believed to be still intact) was the bottom and about 7 feet of a collapsed vertical section of the sidewall of the steel tank.

The tank bottom was filled with ash and soil backfill. GTS removed the contents of the tank bottom and then cut up the remaining portion of the steel. The condition of the above ground vertical petroleum tank indicated it had previously undergone demolition.

No.6 fuel oil (No. 6 fuel oil confirmed by laboratory analysis) was found close to the surface of the ground and seemed to be as deep as approximately 12 feet (remember there is a steep slope/hillside where the petroleum contamination was found). Portions of the hillside were most likely pushed on top of the remaining steel during demolition. The area of the tank is located directly adjacent to and uphill of a tannery disposal pit as identified on historical site drawing(s).

The vertical tank sat on a heavily reinforced concrete pad that was supported by a number of piers that were in the ground. The depth of the piers has not yet been determined. It should be noted that the vertical steel tank and concrete pad were covered with soil and tree growth. Some of the trees were 30 to 40 feet tall; a third party, Donovan Tree Service, removed these eight (8) trees in early December 2010.

In total, there has been 752.03 tons of PCS removed from the site that went to either a landfill or incinerator. There are about 200 more tons of PCS that is currently staged on-site, placed on plastic. In addition, there is a quantity of leather scrap (possibly 150 tons) that has been staged in separate piles from the PCS. The leather scrap is also on plastic.

There remains an unknown quantity of remaining PCS and leather scrap in the excavation pit area at this time.

Should you or anyone have any questions related to this letter please contact me by phone/fax at (716) 655-6120 or by e-mail at (eci2000@earthlink.net).

Sincerely,

A handwritten signature in cursive script, appearing to read "Marc Schneckenberger".

Marc Schneckenberger, P.E.



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Environmental Compliance Inc.

For Lab Project # 10-4961R

Issued December 10, 2010

This report contains a total of 3 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

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"Z" = See case narrative.

"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

Diesel Range Organics Analysis Report for Soils/Solids/Sludges

Client: Environmental Compliance Inc

Client Job Site: Ballston SPA - Angelica

Lab Project Number: 10-4961R

Lab Sample Number: 15614R

Client Job Number: N/A

Field Location: Contaminated Soil Pile

Date Sampled: 12/06/2010

Field ID Number: N/A

Date Received: 12/09/2010

Sample Type: Soil

Date Analyzed: 12/10/2010

Analyte Classification	Results in ug / Kg
Diesel Range Organics	1,330,000
Closest reference standard match: Lube	

ELAP Number 10958

Method: EPA 8015B

Comments: DRO = Diesel Range Organics. Quantified as total response of all peaks, C10-C28 range
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
 Rochester, NY 14608
 (585) 647-2530 • (800) 724-1997
 FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:		INVOICE TO:	
COMPANY: <u>Callahan Metal Corporation Inc.</u>	COMPANY: <u>SAHLE</u>	LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS: <u>20 Box 342</u>	ADDRESS:	10-4961R	
CITY: <u>Elmhurst</u>	CITY:	TURNAROUND TIME: (WORKING DAYS)	
STATE: <u>NY</u>	STATE:		
ZIP: <u>14059</u>	ZIP:		
PHONE: <u>(716) 655-6120</u>	PHONE:		
FAX:	FAX:		
ATTN: <u>THOMAS SCHNEIDERBERGER</u>	ATTN:	<input checked="" type="checkbox"/> 1	STD
COMMENTS:	COMMENTS:	<input type="checkbox"/> 2	OTHER
		<input type="checkbox"/> 3	
		<input type="checkbox"/> 5	

DATE	TIME	COMPOSITE	GRAB	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAMINANTS	REQUESTED ANALYSIS	REMARKS	PARADIGM LAB SAMPLE NUMBER
1/26/10	3:30PM	X		Ammonium Sulfate Pile 12/6/10	Soil	1		OR C-12-G-10 8099 per MS for 8075 @ 20 g (MSD) Identify galenic 1330	15614R

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter: **NELAC Compliance**

Container Type: Y N

Preservation: N/A Y N

Holding Time: Y N

Temperature: 16°C - N/A Y N

Comments: before metals only

Received By: [Signature] Date/Time: 12/6/10 @ 3:30PM

Sampled By: [Signature] Date/Time: 12/6/10 @ 3:30PM

Relinquished By: [Signature] Date/Time: 12/6/10 @ 4:00PM

Received @ Lab By: [Signature] Date/Time: 12/16/10 1035

Relog: Elizabeth A. Honck EAH1217 Date/Time: 12/9/10 1335 @ 5:00

Total Cost:

P.I.F.

2 day TAT per lab.
 Entered M. Schneiderberger
 12/9. EAH1217



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Environmental Compliance, Inc.

For Lab Project # 10-4859R

Issued December 3, 2010

This report contains a total of 3 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

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"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.



LAB REPORT FOR TCLP RCRA METALS ANALYSIS

Client: Environmental Compliance, Inc.

Lab Project No.: 10-4859R

Lab Sample No.: 15354R

Client Job Site: Angelica - Ballston Spa

Sample Type: TCLP Extract

Client Job No.: N/A

Date Sampled: 11/29/2010

Field Location: Monday Soil Stock Pile

Date Received: 12/02/2010

Field ID No.: N/A

Parameter	Date Analyzed	Analytical Method	Result (mg/L)	Regulatory Limit (mg/L)
Arsenic	12/03/2010	SW846 6010	0.185	5.0
Barium	12/03/2010	SW846 6010	4.47	100
Cadmium	12/03/2010	SW846 6010	<0.025	1.0
Chromium	12/03/2010	SW846 6010	0.053	5.0
Lead	12/03/2010	SW846 6010	<0.100	5.0
Mercury	12/03/2010	SW846 7470	<0.0020	0.2
Selenium	12/03/2010	SW846 6010	<0.100	1.0
Silver	12/03/2010	SW846 6010	<0.050	5.0

ELAP ID No.:10958

Comments:

Approved By: *Bruce Hoogesteger*
Bruce Hoogesteger, Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2590 * (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

PROJECT NAME/SITE NAME:
America - Bullseye Spgs

COMPANY: *Environmental Compliance Etc.*
ADDRESS: *P.O. Box 346*
CITY: *Elba* STATE: *NY* ZIP: _____
PHONE: *716-635-6120* FAX: _____

COMPANY: *Spac*
ADDRESS: _____
CITY: _____ STATE: _____ ZIP: _____
PHONE: _____ FAX: _____
ATTN: _____

LAB PROJECT #: *10-4859R* CLIENT PROJECT #: _____
TURNAROUND TIME: (WORKING DAYS)
RUSH needed per MS/STB 11/30.
STD OTHER
1 2 3 5

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GRA B	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAMINANTS	REMARKS	PARADIGM LAB SAMPLE NUMBER
11/29/10	3:10 PM	X		Hardy Soil Street Pile	Soil	X RCRA METALS	per 51 Data 11/30.	15354 R
							per 51 Data 11/30.	
							per 51 Data 11/30.	
							per 51 Data 11/30.	
							per 51 Data 11/30.	
							per 51 Data 11/30.	
							per 51 Data 11/30.	
							per 51 Data 11/30.	
							per 51 Data 11/30.	
							per 51 Data 11/30.	

LAB USE ONLY

SAMPLE CONDITION: Check box if acceptable or note deviation: PRESERVATIONS: *N/A* HOLDING TIME: TEMPERATURE: *16°C - N/A b/c for metals only*

Sampled By: *[Signature]* Date/Time: *11/29/10 @ 3:30 PM*
Relinquished By: *[Signature]* Date/Time: *11/29/10 @ 4:00 PM*
Received By: *[Signature]* Date/Time: *11/29/10 @ 4:00 PM*

Received @ Lab By: *Elizabeth A Honck* 11/30/10 1150
Date/Time: _____
Relay: *Elizabeth A Honck* 12/21/10 1125 @ 5C - N/A b/c for metals only



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Environmental Compliance, Inc.

For Lab Project # 10-4929

Issued December 6, 2010

This report contains a total of 4 pages

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All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

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"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.



LABORATORY REPORT FOR OIL AND GREASE

Client: Environmental Compliance, Inc. **Lab Project No.:** 10-4929
Client Job Site: Angelica - Ballston Spa **Sample Type:** Water
Client Job No.: N/A **Date Sampled:** 12/3/2010
Analytical Method: EPA 1664 **Date Received:** 12/3/2010
 Date Analyzed: 12/6/2010

Lab Sample ID.	Sample Location/Field ID	Oil and Grease (mg/L)
15533	Baker Tank/ Excavation Water	2.4

ELAP ID. No.: 10709

Comments:

Approved By: 
 Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



CHAIN OF CUSTODY

10F2

PROJECT NAME/SITE NAME:
Angelica - Baskets Spa

COMPANY: <i>Environmental Compliance, Inc</i>	REPORT TO:	INVOICE TO:	LAB PROJECT #: <i>2288213</i>	CLIENT PROJECT #:
ADDRESS: <i>P.O. Box 346</i>			10-42	
CITY: <i>Elm</i>	STATE: <i>NY</i>	ZIP: <i>14555-6120</i>	TURNAROUND TIME: (WORKING DAYS)	
PHONE: <i>716-655-6120</i>	FAX:		<input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 5	OTHER
ATTN: <i>Marc Schreckhaeger</i>				
COMMENTS:			Quotation #	

DATE	TIME	COMPOSITE	GRA B	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAMINANTS	REQUESTED ANALYSIS	REMARKS	PARADIGM LAB SAMPLE NUMBER
12/3/10				<i>Balen Tank/Excavation water</i>	W	1		<i>+ Oil release</i>	15533

****LAB USE ONLY BELOW THIS LINE****

Sample Condition: Per NELAC/ELAP 210/241/242/243/244 *Unknown* - Sample sent directly to Adic by client. edf 12/3

Receipt Parameter: *NELAC Compliance*

Container Type: Y N *ect 12/3*

Preservation: Y N

Holding Time: Y N

Temperature: Y N

Comments:

Received By: *Bill Galloway* Date/Time: *12/3/10* P.L.F.

Relinquished By: *Smiley Farmer* Date/Time: *12/3/10* P.L.F.

Logged in

PARADIGM ENVIRONMENTAL SERVICES, INC.

CHAIN OF CUSTODY

2 of 2

79 Lake Avenue
 Rochester, NY 14608
 (585) 647-2530 • (800) 724-1997
 FAX: (585) 647-3311

NO. 3396
 PROJECT NAME/SITE NAME:
Quebec - Buxton SPA

COMPANY: <i>Environmental Compliance Inc.</i> ADDRESS: <i>PO Box 342</i> CITY: <i>NY</i> STATE: <i>NY</i> ZIP: <i>14059</i> PHONE: <i>(716) 655-6120</i> FAX:		COMPANY: <i>Same</i> ADDRESS: CITY: STATE: ZIP: PHONE: FAX: ATTN:		LAB PROJECT #: <i>10-4929</i>	CLIENT PROJECT #:
COMMENTS: <i>HAAS SCHWENKER BREWER</i>		REQUESTED ANALYSIS:		TURNAROUND TIME: (WORKING DAYS) <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5	

DATE	TIME	COMMENTS	G R A B	SAMPLE LOCATION/FIELD ID	M A T R I X	C O N T A M I N E N T S	REMARKS	PARADIGM LAB SAMPLE NUMBER
<i>1/23/10</i>	<i>8:00 AM</i>		<input checked="" type="checkbox"/>	<i>Baker Tank Excavated Layer L</i>		<i>Oils Grease</i>		<i>15533</i>

LAB USE ONLY - BELOW THIS LINE

Sample Condition: Per NELAC/EI AP 210/231/242/243/244

Receipt Parameter

Container Type:	<input type="checkbox"/> Y	<input type="checkbox"/> N
Preservation:	<input type="checkbox"/> Y	<input type="checkbox"/> N
Holding Time:	<input type="checkbox"/> Y	<input type="checkbox"/> N
Temperature:	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N

Comments: *Temp: 5°C*

Received By: <i>[Signature]</i> Date/Time: <i>12-3-10</i>	Date/Time: <i>1:08 PM</i>	Total Cost:
Relinquished By: <i>[Signature]</i> Date/Time: <i>12/3/10 @ 11:00 AM</i>	Date/Time:	

Received @ Lab By: *[Signature]*



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Environmental Compliance Inc.

For Lab Project # 10-4942

Issued December 7, 2010

This report contains a total of 3 pages

The reported results relate only to the samples as they have been received by the laboratory.

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"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.



LAB REPORT FOR TCLP RCRA METALS ANALYSIS

Client: Environmental Compliance Inc

Lab Project No.: 10-4942

Lab Sample No.: 15559

Client Job Site: Angelica-Ballston Spa

Sample Type: TCLP Extract

Client Job No.: N/A

Date Sampled: 12/02/2010

Field Location: Contaminated Soil Pile

Date Received: 12/03/2010

Field ID No.: N/A

Parameter	Date Analyzed	Analytical Method	Result (mg/L)	Regulatory Limit (mg/L)
Arsenic	12/07/2010	SW846 6010	<0.100	5.0
Barium	12/07/2010	SW846 6010	8.02	100
Cadmium	12/07/2010	SW846 6010	<0.025	1.0
Chromium	12/07/2010	SW846 6010	<0.050	5.0
Lead	12/07/2010	SW846 6010	<0.100	5.0
Mercury	12/07/2010	SW846 7470	<0.0020	0.2
Selenium	12/07/2010	SW846 6010	<0.100	1.0
Silver	12/07/2010	SW846 6010	<0.050	5.0

ELAP ID No.:10958

Comments:

Approved By: 
Bruce Hoogesteger, Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

CHAIN OF CUSTODY

179 Lake Avenue
Rochester, NY 14608
(716) 647-2530 * (800) 724-1997
FAX: (716) 647-3311

PROJECT NAME/SITE NAME:
Ameslca - Baulston 5730

COMPANY:
Equi-Environmental Corporation - Inc

REPORT TO:
ADDRESS: *PO. Box 342*
CITY: *Elm* STATE: *NY* ZIP: *14059*
PHONE: *716-655-6120* FAX:
ATTN: *PLAC SCHUECKER/BERGER*
COMMENTS:

INVOICE TO:
COMPANY: *SOHE*
ADDRESS:
CITY: STATE: ZIP:
PHONE: FAX:
ATTN:

LAB PROJECT #: *10-4942* CLIENT PROJECT #:
TURNAROUND TIME: (WORKING DAYS)
1 2 3 5
STD OTHER

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	G R A B	SAMPLE LOCATION/FIELD ID	M A T R I X	C O N T A M I N E N T S	REMARKS	PARADIGM LAB SAMPLE NUMBER
<i>12/3/10</i>	<i>3:30PM</i>	<input checked="" type="checkbox"/>		<i>CONTAMINATED SOIL PILE</i>	<i>5</i>	<i>1</i>	<i>TCLP RCRA Metals</i>	<i>15559</i>

LAB USE ONLY

SAMPLE CONDITION: Check box if acceptable or note deviation:

CONTAINER TYPE:

PRESERVATIONS:

HOLDING TIME:

TEMPERATURE:

Sampled By:

Date/Time:

Relinquished By:

Date/Time:

Total Cost:

Relinquished By:

Date/Time:

Received By:

Date/Time:

Received By:

Date/Time:

Received @ Lab By:

Date/Time:

P.I.F.

N/A

11°C

William C. Williams Jr
12/2/10 3:30 PM

Emily Farmer
12/3/10 1510

William C. Williams Jr
12/2/10 4:00 PM

Emily Farmer
12/3/10 1510



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Environmental Compliance, Inc.

For Lab Project # 10-4888
Issued December 8, 2010
This report contains a total of 9 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

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"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.



LAB REPORT FOR TCLP RCRA METALS ANALYSIS

Client: Environmental Compliance, Inc.

Lab Project No.: 10-4888

Lab Sample No.: 15412

Client Job Site: Angelica - Ballston Spa

Sample Type: TCLP Extract

Client Job No.: N/A

Date Sampled: 11/30/2010

Field Location: Contaminated Soil Pile

Date Received: 12/01/2010

Field ID No.: N/A

Parameter	Date Analyzed	Analytical Method	Result (mg/L)	Regulatory Limit (mg/L)
Arsenic	12/03/2010	SW846 6010	<0.100	5.0
Barium	12/03/2010	SW846 6010	3.47	100
Cadmium	12/03/2010	SW846 6010	<0.025	1.0
Chromium	12/03/2010	SW846 6010	<0.050	5.0
Lead	12/03/2010	SW846 6010	<0.100	5.0
Mercury	12/03/2010	SW846 7470	<0.0020	0.2
Selenium	12/03/2010	SW846 6010	<0.100	1.0
Silver	12/03/2010	SW846 6010	<0.050	5.0

ELAP ID No.:10958

Comments:

Approved By: 
Bruce Hoogesteger, Technical Director

Diesel Range Organics Analysis Report for Soils/Solids/Sludges

Client: Environmental Compliance Inc

Client Job Site: Angelica - Ballston Spa

Lab Project Number: 10-4888

Lab Sample Number: 15412

Client Job Number: N/A

Field Location: Contaminated Soil Pile

Date Sampled: 11/30/2010

Field ID Number: N/A

Date Received: 12/01/2010

Sample Type: Soil

Date Analyzed: 12/07/2010

Analyte Classification	Results in ug / Kg
Diesel Range Organics	834,000
Closest reference standard match: Lube	

ELAP Number 10958

Method: EPA 8015B

Comments: DRO = Diesel Range Organics. Quantified as total response of all peaks, C10-C28 range
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.



PHC Analysis Report for Soils/Solids/Sludges

Client: Environmental Compliance Inc.

Client Job Site: Angelica - Balston Spa

Lab Project Number: 10-4888

Lab Sample Number: 15412

Client Job Number: N/A

Field Location: Contaminated Soil Pile

Date Sampled: 11/30/2010

Field ID Number: N/A

Date Received: 12/01/2010

Sample Type: Soil

Date Analyzed: 12/02/2010

PHC Classification	Results in ug / Kg
Heavy Weight PHC as: Lube Oil	2,320,000

ELAP Number 10958

Method: NYSDOH 310.13

Comments: PHC = Petroleum Hydrocarbon
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

Semi-Volatile STARS Analysis Report for Soils/Solids/Sludges

Client: Environmental Compliance Inc.

Client Job Site:	Angelica - Balston Spa	Lab Project Number:	10-4888
Client Job Number:	N/A	Lab Sample Number:	15413
Field Location:	Excavation Floor	Date Sampled:	11/30/2010
Field ID Number:	N/A	Date Received:	12/01/2010
Sample Type:	Soil	Date Analyzed:	12/02/2010

Base / Neutrals	Results in ug / Kg
Acenaphthene	< 353
Acenaphthylene	< 353
Anthracene	< 353
Benzo (a) anthracene	< 353
Benzo (a) pyrene	< 353
Benzo (b) fluoranthene	< 353
Benzo (g,h,i) perylene	< 353
Benzo (k) fluoranthene	< 353
Chrysene	< 353
Dibenz (a,h) anthracene	< 353
Fluoranthene	< 353
Fluorene	< 353
Indeno (1,2,3-cd) pyrene	< 353
Naphthalene	< 353
Phenanthrene	< 353
Pyrene	< 353

ELAP Number 10958

Method: EPA 8270C

Data File: S54256.D

Comments: ug / Kg = microgram per Kilogram

Signature: _____


Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Environmental Compliance Inc.

Client Job Site: Angelica - Balston Spa

Lab Project Number: 10-4888

Lab Sample Number: 15413

Client Job Number: N/A

Field Location: Excavation Floor

Date Sampled: 11/30/2010

Field ID Number: N/A

Date Received: 12/01/2010

Sample Type: Soil

Date Analyzed: 12/02/2010

Tentatively Identified Compounds	CAS Number	Retention Time	Results in ug / Kg	Percent Fit
Unknown Compound	N/A	8.77	213	N/A

ELAP Number 10958

Method: EPA 8270C

Data File: S54256.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____


Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.



Volatile STARS Analysis Report for Soils/Solids/Sludges

Client: Environmental Compliance Inc.

Client Job Site: Angelica-Ballston Spa

Lab Project Number: 10-4888

Lab Sample Number: 15413

Client Job Number: N/A

Field Location: Excavation Floor

Date Sampled: 11/30/2010

Field ID Number: N/A

Date Received: 12/01/2010

Sample Type: Soil

Date Analyzed: 12/02/2010

Aromatics	Results in ug / Kg
Benzene	< 6.96
n-Butylbenzene	< 6.96
sec-Butylbenzene	< 6.96
tert-Butylbenzene	< 6.96
Ethylbenzene	< 6.96
n-Propylbenzene	< 6.96
Isopropylbenzene	< 6.96
p-Isopropyltoluene	< 6.96
Naphthalene	< 17.4
Toluene	< 6.96
1,2,4-Trimethylbenzene	< 6.96
1,3,5-Trimethylbenzene	< 6.96
m,p-Xylene	< 6.96
o-Xylene	< 6.96
Miscellaneous	
Methyl tert-butyl Ether	< 6.96

ELAP Number 10958

Method: EPA 8260B

Data File: V80685.D

Comments: ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

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Volatile Analysis Report for Soils/Solids/Sludges

Client: Environmental Compliance Inc.

Client Job Site: Angelica-Ballston Spa

Lab Project Number: 10-4888

Lab Sample Number: 15413

Client Job Number: N/A

Field Location: Excavation Floor

Date Sampled: 11/30/2010

Field ID Number: N/A

Date Received: 12/01/2010

Sample Type: Soil

Date Analyzed: 12/02/2010

Tentatively Identified Compounds	CAS Number	Retention Time	Results in ug / Kg	Percent Fit
None Found	N/A	N/A	< 17.4	N/A

ELAP Number 10958

Method: EPA 8260B

Data File: V80685.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: 
Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

CHAIN OF CUSTODY

179 Lake Avenue
 Rochester, NY 14608
 (585) 647-2530 • (800) 724-1997
 FAX: (585) 647-3311

REPORT TO:

INVOICE TO:

PROJECT NAME/SITE NAME:
ANGELICA - BUSTON SPA

COMPANY:
ENVIRONMENTAL COMPLIANCE INC.

ADDRESS: **PO, Box 312**
 CITY: **ELMA** STATE: **NY** ZIP: **14059**
 PHONE: **(716) 653-6120** FAX:
 ATTN: **MARK SCHUBERT**

COMPANY: **STATE**
 ADDRESS:
 CITY: STATE: ZIP:
 PHONE: FAX:
 ATTN:

LAB PROJECT #: **10.4888** CLIENT PROJECT #:
 TURNAROUND TIME: (WORKING DAYS)
 1 2 3 5
 STD OTHER

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	G R A B	SAMPLE LOCATION/FIELD ID	M A T R I X	N U T R I E N T S	P H C	V O A	S E M I V O A	N I S D E L S T A R S	T R C S	P H C 3 1 0 . 1 3	8 0 1 5 D R D	C P C 1 2 1 3 1 0	P U M S / P	1 5 0 0	REMARKS	PARADIGM LAB SAMPLE NUMBER
1/12/10	3:00	X		CONTAMINATED SOIL PILE	Soil	X	X	X	X	X	X	X	X	X	X	X	Quick Turn 5 day for PHC	5411
2/13/10	2:00	X		EXHAUSTION FLOOR	SL												5 DAY STANDARD	5413
3																		
4																		
5																		
6																		
7																		
8																		
9																		
10																		

** LAB USE ONLY BELOW THIS LINE **

Sample Condition: Per NELAC/EIAP 210/241/242/243/244

Receipt Parameter **NELAC Compliance**

Container Type: Y N

Preservation: **N/A** Y N

Holding Time: Y N

Temperature: **12°C** Y N

Sampled By: *[Signature]* Date/Time: **1/23/10 @ 4:20 PM**

Relinquished By: *[Signature]* Date/Time: **1/23/10 @ 4:20 PM**

Received By: *[Signature]* Date/Time: **12/11/10 1330**

Received @ Lab By: *[Signature]* Date/Time:

Total Cost:

P.I.F.

see below EAH 14/1



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Environmental Compliance, Inc.

For Lab Project # 10-4961
Issued December 9, 2010
This report contains a total of 3 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

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"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.



LAB REPORT FOR TCLP RCRA METALS ANALYSIS

Client: Environmental Compliance Inc.

Lab Project No.: 10-4961

Lab Sample No.: 15614

Client Job Site: Ballston Spa - Angelica

Sample Type: TCLP Extract

Client Job No.: N/A

Date Sampled: 12/06/2010

Date Received: 12/07/2010

Field Location: Contaminated Soil Pile

Field ID No.: N/A

Parameter	Date Analyzed	Analytical Method	Result (mg/L)	Regulatory Limit (mg/L)
Arsenic	12/09/2010	SW846 6010	<0.100	5.0
Barium	12/09/2010	SW846 6010	2.86	100
Cadmium	12/09/2010	SW846 6010	<0.025	1.0
Chromium	12/09/2010	SW846 6010	0.150	5.0
Lead	12/09/2010	SW846 6010	<0.100	5.0
Mercury	12/09/2010	SW846 7470	<0.0020	0.2
Selenium	12/09/2010	SW846 6010	<0.100	1.0
Silver	12/09/2010	SW846 6010	<0.050	5.0

ELAP ID No.:10958

Comments:

Approved By: _____

Bruce Hoogesteger, Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO: **ENVIRONMENTAL COMPLIANCE INC.** INVOICE TO: **STATE**

COMPANY: **ENVIRONMENTAL COMPLIANCE INC.** ADDRESS: **D.O. Box 342** CITY: **Elmira** STATE: **NY** ZIP: **14859**

COMPANY: **STATE** ADDRESS: **716 655-6120** CITY: **NY** STATE: **NY** ZIP: **14859**

PHONE: **716 655-6120** FAX: **NY** CITY: **NY** STATE: **NY** ZIP: **14859**

ATTN: **PLAC. SERVICES REQUESTER** ATTN: **PLAC. SERVICES REQUESTER**

LAB PROJECT #: **10-4961** CLIENT PROJECT #: **10-4961**

TURNAROUND TIME: (WORKING DAYS) **2** **2** **3** **5**

STD OTHER

DATE	TIME	COMPOSITE	GRA B	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAMINANTS	REQUESTED ANALYSIS	REMARKS	PARADIGM LAB SAMPLE NUMBER
1/26/10	3:30PM	X		UNIDENTIFIED SOIL PILE 12/6/10	Soil	1	ALL PCRA METALS		15614
2									
3									
4									
5									
6									
7									
8									
9									
10									

**** LAB USE ONLY BELOW THIS LINE ****

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter: **NELAC Compliance**

Container Type: Y N

Preservation: **N/A** Y N

Holding Time: Y N

Temperature: **16°C - N/A** Y N

Comments: **before metals only**

Sampled By: *[Signature]* Date/Time: **12/6/10 @ 3:30PM**

Relinquished By: *[Signature]* Date/Time: **12/6/10 @ 5:00PM**

Received By: **Elizabeth A Honck** Date/Time: **12/16/10 1035**

Received @ Lab By: **ee** Date/Time: **EPH 12/17**

Total Cost:

P.I.F.

2 day TAT per lab
Emailed M. Schmeckenberger
12/9 EAH 12/7



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Angelica Textiles

For Lab Project # 10-2717R

Issued July 16, 2010

This report contains a total of 3 pages

The reported results relate only to the samples as they have been received by the laboratory.

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"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.



PHC Analysis Report for Soils/Solids/Sludges

Client: Angelica Textiles

Client Job Site: N/A

Lab Project Number: 10-2717R

Lab Sample Number: 9080R

Client Job Number: N/A

Field Location: N.W. Corner Parking Lot

Date Sampled: 07/01/2010

Field ID Number: N/A

Date Received: 07/06/2010

Sample Type: Solid

Date Analyzed: 07/16/2010

PHC Classification	Results in ug / Kg
Heavy Weight PHC as: Lube Oil	* 29,000,000

ELAP Number 10958

Method: NYSDOH 310.13

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

PHC = Petroleum Hydrocarbon

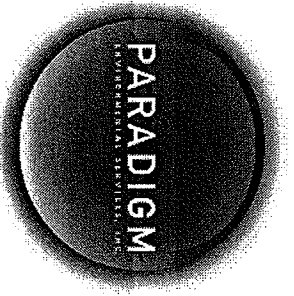
* = Not an exact match, Lube Oil is the closest matching pattern.

Signature: _____


Bruce Hoogestegen, Technical Director

ALLIEN, SHANE DHALOKE

CHAIN OF CUSTODY



REPORT TO: _____ INVOICE TO: _____

COMPANY: Angelica Textiles COMPANY: Same LAB PROJECT #: 10.2717R CLIENT PROJECT #: _____

ADDRESS: 125 Bath St ADDRESS: _____

CITY: BALISTON STATE: NY ZIP: 12020 CITY: _____ STATE: _____ ZIP: _____

PHONE: 518.885.8504 PHONE: _____ FAX: _____

ATTN: CHIEF ANALYST ATTN: _____

COMMENTS: Method test # 8270 (8270) REQUESTED ANALYSIS: _____

PROJECT NAME/SITE NAME: _____

Quotation # 1 2 3 5

STD OTHER

DATE	TIME	COMPOSITE	G R A B	SAMPLE LOCATION/FIELD ID	M A T R I X	C O N T A I N E R S	REMARKS	PARADIGM LAB SAMPLE NUMBER
7/1/2010	1640			Nick Canal Parking Lot SD	1	8270	Phthalate only as per Kevin M.D. & Marc Schaefer	9080R
							see below	
							perms for	
							PHC 310.13	
							1 delay test	
							results by noon	
							perms	
							7-15-10. PZZE	

LAB USE ONLY BELOW THIS LINE**
 Sample Condition: Per NELAC/E LAP 210/241/242/243/244

Receipt Parameter: _____ NELAC Compliance

Container Type: Y N

Preservation: N/A Y N

Holding Time: Y N

Temperature: 27°C Y N

Comments: _____

Sampled By: Kevin P. Murphy Date/Time: 7/1/2010 Total Cost: _____

Relinquished By: _____ Date/Time: _____

Received By: Elizabeth A. Honick Date/Time: 7/6/10 1635 P.I.F.

Received @ Lab By: _____ Date/Time: _____



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Angelica Textiles

For Lab Project # 10-2717

Issued July 8, 2010

This report contains a total of 3 pages

The reported results relate only to the samples as they have been received by the laboratory.

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"Z" = See case narrative.

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"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.



Semi-Volatile STARS Analysis Report for Soils/Solids/Sludges

Client: Angelica Textiles

Client Job Site: N/A

Lab Project Number: 10-2717

Lab Sample Number: 9080

Client Job Number: N/A

Field Location: N.W. Corner Parking Lot

Date Sampled: 07/01/2010

Field ID Number: N/A

Date Received: 07/06/2010

Sample Type: Solid

Date Analyzed: 07/08/2010

Base / Neutrals	Results in % by weight
Naphthalene	ND< 0.0200

ELAP Number 10958

Method: EPA 8270C

Data File: S51829.D

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

ATTN: JANE DRLOIA

CHAIN OF CUSTODY



REPORT TO:		INVOICE TO:	
COMPANY: Angelica Textiles	ADDRESS: 125 Bath St	COMPANY: Same	ADDRESS: 10-2717
CITY: BALISTON SD NY 12020	STATE: NY	CITY:	STATE:
PHONE: 518.885.8504	FAX: 518.885.8504	PHONE:	FAX:
ATTN: CHIEF ANDREAS	ATTN:	ATTN:	ATTN:
COMMENTS: Method test # 8270 (8270)	REQUESTED ANALYSIS	LAB PROJECT #:	CLIENT PROJECT #:
		TURNAROUND TIME: (WORKING DAYS)	STD
			OTHER
		Quotation #	

DATE	TIME	COMPOSITE	G R A B	SAMPLE LOCATION/FIELD ID	M A T R I X	C O N T A I N E R S	REMARKS
1 7/1/2010	1640			Malden Based Building Lot SD	1	8 2 7 0	Tar Sample Naphthalene only as per Kevin M.D. # Marc Schaefer (ECI)
2							
3							
4							
5							
6							
7							
8							
9							
10							

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/EIAP 2101241/2421243/244

Receipt Parameter		NELAC Compliance	
Container Type:	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/>
Preservation:	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	<input type="checkbox"/>
Holding Time:	<input checked="" type="checkbox"/> Y	<input type="checkbox"/> N	<input type="checkbox"/>
Temperature:	<input type="checkbox"/> Y	<input checked="" type="checkbox"/> N	<input type="checkbox"/>

Received By: Kevin P. K. P. P.	Date/Time: 7/1/2010	Total Cost:
Relinquished By:	Date/Time:	
Received By: Elizabeth A. Honck	Date/Time: 7/6/10 1635	P.I.F.:
Received @ Lab By:	Date/Time:	

THURS A.M. if possible from 7/6 2/10



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Environmental Compliance

For Lab Project # 10-3425
Issued August 27, 2010
Re-Issued September 7, 2010
This report contains a total of 6 pages

This project has been amended to reflect the subtraction of the metals report; metals data associated with this sample can be located in 10-3425R.

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

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"Z" = See case narrative.

"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

Diesel Range Organics Analysis Report for Soils/Solids/Sludges

Client: **ECI / Angelica**

Client Job Site: Angelica / B. Spa
Client Job Number: N/A
Field Location: NW Corner Parking Lot
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 10-3425
Lab Sample Number: 11208
Date Sampled: 08/18/2010
Date Received: 08/23/2010
Date Analyzed: 08/26/2010

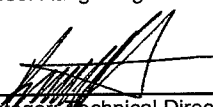
PHC Classification	Results in ug / Kg
DRO	7,390,000
Closest reference standard match: Lube Oil	

ELAP Number 10958

Method: EPA 8015B

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram
PHC = Petroleum Hydrocarbon
DRO = Diesel Range Organics. Quantified as total response of all peaks, C10-C28 range

Signature: _____


Bruce Hoogesteger, Technical Director

PCB Analysis Report for Soils/Solids/Sludges

Client: ECI / Angelica

Client Job Site: Angelica / B.Spa
Client Job Number: N/A
Field Location: N.W. Corner Parking Lot
Field ID Number: 3:1 Composite
Sample Type: Soil

Lab Project Number: 10-3425
Lab Sample Number: 11208
Date Sampled: 08/18/2010
Date Received: 08/23/2010
Date Analyzed: 08/24/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	ND< 0.390
Aroclor 1221	ND< 0.390
Aroclor 1232	ND< 0.390
Aroclor 1242	ND< 0.390
Aroclor 1248	ND< 0.390
Aroclor 1254	ND< 0.390
Aroclor 1260	ND< 0.390

ELAP Number 10958

Method: EPA 8082

Comments: ND denotes Non Detect
mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: **ECI / Angelica**

Client Job Site: Angelica / B. Spa
 Client Job Number: N/A
 Field Location: N.W Corner Parking Lot
 Field ID Number: N/A
 Sample Type: Soil

Lab Project Number: 10-3425
 Lab Sample Number: 11208
 Date Sampled: 08/18/2010
 Date Received: 08/23/2010
 Date Analyzed: 08/26/2010

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 7,530	Dibenz (a,h) anthracene	ND< 7,530
Anthracene	17,500	Fluoranthene	16,500
Benzo (a) anthracene	14,900	Fluorene	12,700
Benzo (a) pyrene	25,100	Indeno (1,2,3-cd) pyrene	ND< 7,530
Benzo (b) fluoranthene	ND< 7,530	Naphthalene	ND< 7,530
Benzo (g,h,i) perylene	17,600	Phenanthrene	79,400
Benzo (k) fluoranthene	ND< 7,530	Pyrene	104,000
Chrysene	32,800	Acenaphthylene	ND< 7,530
Diethyl phthalate	ND< 7,530	1,2-Dichlorobenzene	ND< 7,530
Dimethyl phthalate	ND< 18,800	1,3-Dichlorobenzene	ND< 7,530
Butylbenzylphthalate	ND< 7,530	1,4-Dichlorobenzene	ND< 7,530
Di-n-butyl phthalate	ND< 7,530	1,2,4-Trichlorobenzene	ND< 7,530
Di-n-octylphthalate	ND< 7,530	Nitrobenzene	ND< 7,530
Bis (2-ethylhexyl) phthalate	ND< 7,530	2,4-Dinitrotoluene	ND< 7,530
2-Chloronaphthalene	ND< 7,530	2,6-Dinitrotoluene	ND< 7,530
Hexachlorobenzene	ND< 7,530	Bis (2-chloroethyl) ether	ND< 7,530
Hexachloroethane	ND< 7,530	Bis (2-chloroisopropyl) ether	ND< 7,530
Hexachlorocyclopentadiene	ND< 7,530	Bis (2-chloroethoxy) methan	ND< 7,530
Hexachlorobutadiene	ND< 7,530	4-Bromophenyl phenyl ether	ND< 7,530
N-Nitroso-di-n-propylamine	ND< 7,530	4-Chlorophenyl phenyl ether	ND< 7,530
N-Nitrosodiphenylamine	ND< 7,530	Benzidine	ND< 18,800
N-Nitrosodimethylamine	ND< 7,530	3,3'-Dichlorobenzidine	ND< 7,530
Isophorone	ND< 7,530	4-Chloroaniline	ND< 7,530
Benzyl alcohol	ND< 18,800	2-Nitroaniline	ND< 18,800
Dibenzofuran	ND< 7,530	3-Nitroaniline	ND< 18,800
2-Methylnaphthalene	25,800	4-Nitroaniline	ND< 18,800

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 7,530	2-Methylphenol	ND< 7,530
2-Chlorophenol	ND< 7,530	3&4-Methylphenol	ND< 7,530
2,4-Dichlorophenol	ND< 7,530	2,4-Dimethylphenol	ND< 7,530
2,6-Dichlorophenol	ND< 7,530	2-Nitrophenol	ND< 7,530
2,4,5-Trichlorophenol	ND< 18,800	4-Nitrophenol	ND< 18,800
2,4,6-Trichlorophenol	ND< 7,530	2,4-Dinitrophenol	ND< 18,800
Pentachlorophenol	ND< 18,800	4,6-Dinitro-2-methylphenol	ND< 18,800
4-Chloro-3-methylphenol	ND< 7,530	Benzoic acid	ND< 18,800

ELAP Number 10958

Method: EPA 8270C

Data File: S52619.D

Comments: ND denotes Non Detect
 ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogestegen, Technical Director

Volatile Analysis Report for Soils/Solids/Sludges

Client: ECI / Angelica

Client Job Site: Angelica / B. Spa
Client Job Number: N/A
Field Location: N.W. Corner Parking Lot
Field ID Number: N/A
Sample Type: Soil

Lab Project Number: 10-3425
Lab Sample Number: 11208
Date Sampled: 08/18/2010
Date Received: 08/23/2010
Date Analyzed: 08/25/2010

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 11.4
Bromomethane	ND< 11.4
Bromoform	ND< 28.5
Carbon Tetrachloride	ND< 28.5
Chloroethane	ND< 11.4
Chloromethane	ND< 11.4
2-Chloroethyl vinyl Ether	ND< 56.9
Chloroform	ND< 11.4
Dibromochloromethane	ND< 11.4
1,1-Dichloroethane	ND< 11.4
1,2-Dichloroethane	ND< 11.4
1,1-Dichloroethene	ND< 11.4
cis-1,2-Dichloroethene	ND< 11.4
trans-1,2-Dichloroethene	ND< 11.4
1,2-Dichloropropane	ND< 11.4
cis-1,3-Dichloropropene	ND< 11.4
trans-1,3-Dichloropropene	ND< 11.4
Methylene chloride	ND< 28.5
1,1,2,2-Tetrachloroethane	ND< 11.4
Tetrachloroethene	ND< 11.4
1,1,1-Trichloroethane	ND< 11.4
1,1,2-Trichloroethane	ND< 11.4
Trichloroethene	ND< 11.4
Trichlorofluoromethane	ND< 11.4
Vinyl chloride	ND< 11.4

Aromatics	Results in ug / Kg
Benzene	ND< 11.4
Chlorobenzene	ND< 11.4
Ethylbenzene	ND< 11.4
Toluene	ND< 11.4
m,p-Xylene	19.1
o-Xylene	17.4
Styrene	ND< 28.5
1,2-Dichlorobenzene	ND< 28.5
1,3-Dichlorobenzene	ND< 28.5
1,4-Dichlorobenzene	ND< 11.4

Ketones	Results in ug / Kg
Acetone	397
2-Butanone	ND< 56.9
2-Hexanone	ND< 28.5
4-Methyl-2-pentanone	ND< 28.5

Miscellaneous	Results in ug / Kg
Carbon disulfide	ND< 11.4
Vinyl acetate	ND< 28.5

ELAP Number 10958

Method: EPA 8260B

Data File: V77821.D

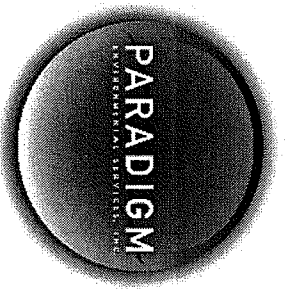
Comments: ND denotes Non Detect
 ug / Kg = microgram per Kilogram
 Internal standard outliers indicate probable matrix effects

Signature: _____

Bruce Hoogesteger, Technical Director

ATTN: JANE DALOIA

CHAIN OF CUSTODY



PROJECT NAME/SITE NAME: *Angelina/B. SpA*

REPORT TO:		INVOICE TO:	
COMPANY: <i>ECT / Angelina</i>	COMPANY: <i>Same ECT</i>	LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS: <i>125 Bath St</i>	ADDRESS:	<i>10.3425</i>	
CITY: <i>Ballston Spa NY</i>	CITY: <i>Ballston Spa NY</i>	STATE: <i>NY</i>	STATE: <i>NY</i>
ZIP: <i>12020</i>	ZIP: <i>12020</i>	TURNAROUND TIME: (WORKING DAYS)	
PHONE: <i>518 885 8504</i>	PHONE:	STD <input type="checkbox"/>	OTHER <input type="checkbox"/>
FAX: <i>518 885 8504</i>	FAX:	1 <input type="checkbox"/>	2 <input type="checkbox"/>
ATTN: <i>Chris Andrews</i>	ATTN: <i>MARK Schaeferberger</i>	3 <input type="checkbox"/>	4 <input type="checkbox"/>
COMMENTS:		5 <input checked="" type="checkbox"/>	

Quotation # per M. Schneckenberger in email to JD 816

DATE	TIME	COMPOSITE	G R A B	SAMPLE LOCATION/FIELD ID	M A T R I X	C O U N T N U M B E R S	REQUESTED ANALYSIS	REMARKS	PARADIGM LAB SAMPLE NUMBER
8/18	10:30	✓		<i>N. rd corner Parking lot Soil</i>		1	8015 DRO	Analyte list per M. Schneckenberger 8/23 in email to J. Daloria. EAH 8/23	11208
8/18	10:32	✓		<i>N. rd corner Parking lot</i>		2	8015 DRO		
8/18	10:35	✓		<i>N. rd corner Parking lot</i>		3	8015 DRO	Composite jars } 3 to 1, per M. Schneckenberger in email to J. Daloria 8/23. EAH 8/23	11208

Sample Condition: Per NELAC/EIAP 210/241/242/243/244

Receipt Parameter

Container Type: Y N

Preservation: *N/A* Y N

Holding Time: Y N

Temperature: *24°C on 8/20 @ 1455* Y N

Sampled By: _____ Date/Time: _____ Total Cost: _____

Relinquished By: _____ Date/Time: _____

Received By: *Elizabeth A. Honck* Date/Time: *8/23/10 1055* P.I.F.

Received @ Lab By: _____ Date/Time: _____



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Environmental Compliance

For Lab Project # 10-3425R

Issued September 7, 2010

This report contains a total of 3 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Each page of this document is part of a multipage report. This document may not be reproduced except in its entirety, without the prior consent of Paradigm Environmental Services, Inc.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

"ND" = analyzed for but not detected.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.



LAB REPORT FOR TCLP RCRA METALS ANALYSIS

Client: Environmental Compliance

Lab Project No.: 10-3425R

Lab Sample No.: 11208R

Client Job Site: Angelica/B. Spa

Sample Type: TCLP Extract

Client Job No.: N/A

Date Sampled: 08/18/2010

Field Location: NW Corner Parking Lot

Date Received: 08/30/2010

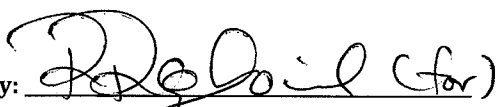
Field ID No.: N/A

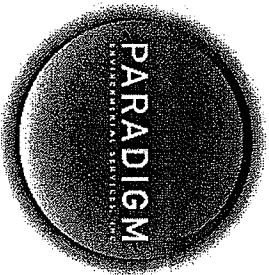
Parameter	Date Analyzed	Analytical Method	Result (mg/L)	Regulatory Limit (mg/L)
Arsenic	09/03/2010	SW846 6010	<0.100	5.0
Barium	09/03/2010	SW846 6010	2.21	100
Cadmium	09/03/2010	SW846 6010	<0.025	1.0
Chromium	09/03/2010	SW846 6010	0.071 D	5.0
Lead	09/03/2010	SW846 6010	0.574	5.0
Mercury	09/01/2010	SW846 7470	<0.0020	0.2
Selenium	09/03/2010	SW846 6010	<0.100	1.0
Silver	09/03/2010	SW846 6010	<0.050	5.0

ELAP ID No.:10958

Comments:

Approved By:


Bruce Hoogesteger, Technical Director



179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

ATTN: JANE DALOIA

Client: Environmental Compliance (EAH 8130) **CHAIN OF CUSTODY**

PROJECT NAME/SITE NAME: *Angelina's Spa*

REPORT TO: *ECI/Angelina* INVOICE TO: *Same ECI*

COMPANY: *ECI/Angelina* ADDRESS: *125 Bath St* CITY: *Baltimore MD* STATE: *MD* ZIP: *21202*

PHONE: *518 885 8504* FAX:

ATTN: *Amy Andrews*

COMPANY: *Same ECI* ADDRESS: CITY: STATE: ZIP:

PHONE: FAX:

ATTN: *MARE Scheenburger*

LAB PROJECT #: *10-3425R* CLIENT PROJECT #:

TURNAROUND TIME (WORKING DAYS): *1* *2* *3* *5*

Quotation # *per M. Schneckenberger*

DATE	TIME	COMPOSITE	G R A B	SAMPLE LOCATION/FIELD ID	M A T R I X	C O N T A I N E R S	REQUESTED ANALYSIS	PARADIGM LAB SAMPLE NUMBER
8/18	18:30	✓		N.W. Corner Parking lot Soil	1	82605 TLA	Analyte list per M. Schneckenberger 8/23 in email to J. Daloria EAH 8/23	EAH 8120
8/18	10:32	✓		N.W. Corner Parking lot	2	82700 EAE	Composite jars } 3 to 1, per M. Schneckenberger in email to J. Daloria 8/23. EAH 8/23	11208R
8/18	10:35	✓		N.W. Corner Parking lot	3	80082 PEG		
						6010 B		
						8015 DRO		

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/LAP 210/241/242/243/244

Receipt Parameter: **NELAC Compliance**

Container Type: Y N

Preservation: *N/A* Y N

Holding Time: Y N

Temperature: *24°C on 8/20 @ 1455* Y N

Sampled By: *Elizabeth A. Honck* Date/Time: *8/23/10 1055*

Relinquished By: *Elizabeth A. Honck* Date/Time: *8/30/10 1550*

Total Cost:

Received @ Lab By: *Elizabeth A. Honck* Date/Time: *8/23/10 1055*

Relog: *Elizabeth A. Honck* Date/Time: *8/30/10 1550*

EAH 8/23
COC 9-30-10 per MS
relax for std to
TEMP BA, CC, PB, Cd, MS, Se, Hg
gone Daloria
1535
FALL
TEMP
R-204
mechls



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Environmental Compliance, Inc.

For Lab Project # 10-4046
Issued October 11, 2010
Re-Issued April 25, 2011
This report contains a total of 7 pages

This report has been re-issued to remove the Total RCRA Metals from the report, per client request.

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

"<" = analyzed for but not detected at or above the reporting limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.



LAB REPORT FOR TCLP RCRA METALS ANALYSIS

Client: Environmental Compliance, Inc.

Lab Project No.: 10-4046

Lab Sample No.: 13049

Client Job Site: Angelica - Ballston Spa

Sample Type: TCLP Extract

Client Job No.: N/A

Date Sampled: 09/30/2010

Field Location: Contaminated Soil Excavation

Date Received: 10/04/2010

Field ID No.: N/A

Parameter	Date Analyzed	Analytical Method	Result (mg/L)	Regulatory Limit (mg/L)
Arsenic	10/11/2010	SW846 6010	<0.100	5.0
Barium	10/11/2010	SW846 6010	2.04	100
Cadmium	10/11/2010	SW846 6010	<0.025	1.0
Chromium	10/11/2010	SW846 6010	<0.050	5.0
Lead	10/11/2010	SW846 6010	<0.100	5.0
Mercury	10/08/2010	SW846 7470	<0.0020	0.2
Selenium	10/11/2010	SW846 6010	<0.100	1.0
Silver	10/11/2010	SW846 6010	<0.050	5.0

ELAP ID No.:10958

Comments:

Approved By: 
Bruce Hoogesteger, Technical Director



PCB Analysis Report for Soils/Solids/Sludges

Client: Environmental Compliance, Inc.

Client Job Site:	Angelica-Ballston Spa	Lab Project Number:	10-4046
Client Job Number:	N/A	Lab Sample Number:	13049
Field Location:	Contaminated Soil Excavation	Date Sampled:	09/30/2010
Field ID Number:	N/A	Date Received:	10/04/2010
Sample Type:	Soil	Date Analyzed:	10/07/2010

PCB Identification	Results in mg / Kg
Aroclor 1016	< 0.469
Aroclor 1221	< 0.469
Aroclor 1232	< 0.469
Aroclor 1242	< 0.469
Aroclor 1248	< 0.469
Aroclor 1254	< 0.469
Aroclor 1260	< 0.469

ELAP Number 10958

Method: EPA 8082

Comments: mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteghe, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

Diesel Range Organics Analysis Report for Soils/Solids/Sludges

Client: Environmental Compliance Inc

Client Job Site:	Angelica - Ballston Spa	Lab Project Number:	10-4046
Client Job Number:	N/A	Lab Sample Number:	13049
Field Location:	Contaminated Soil Excavation	Date Sampled:	09/30/2010
Field ID Number:	N/A	Date Received:	10/04/2010
Sample Type:	Soil	Date Analyzed:	10/11/2010

Analyte Classification	Results in ug / Kg
Diesel Range Organics	17,800
Closest reference standard match: Diesel	

ELAP Number 10958

Method: EPA 8015B

Comments: DRO = Diesel Range Organics. Quantified as total response of all peaks, C10-C28 range
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

Volatile Analysis Report for Soils/Solids/Sludges

Client: Environmental Compliance inc

Client Job Site: Angellica - Ballston Spa

Lab Project Number: 10-4046

Lab Sample Number: 13049

Client Job Number: N/A

Field Location: Contaminated Soil Excavation

Date Sampled: 09/30/2010

Field ID Number: N/A

Date Received: 10/04/2010

Sample Type: Soil

Date Analyzed: 10/08/2010

Halocarbons	Results in ug / Kg
Bromodichloromethane	< 12.9
Bromomethane	< 12.9
Bromoform	< 32.3
Carbon Tetrachloride	< 12.9
Chloroethane	< 12.9
Chloromethane	< 12.9
2-Chloroethyl vinyl Ether	< 64.6
Chloroform	< 12.9
Dibromochloromethane	< 12.9
1,1-Dichloroethane	< 12.9
1,2-Dichloroethane	< 12.9
1,1-Dichloroethene	< 12.9
cis-1,2-Dichloroethene	< 12.9
trans-1,2-Dichloroethene	< 12.9
1,2-Dichloropropane	< 12.9
cis-1,3-Dichloropropene	< 12.9
trans-1,3-Dichloropropene	< 12.9
Methylene chloride	< 32.3
1,1,2,2-Tetrachloroethane	< 12.9
Tetrachloroethene	< 12.9
1,1,1-Trichloroethane	< 12.9
1,1,2-Trichloroethane	< 12.9
Trichloroethene	< 12.9
Trichlorofluoromethane	< 12.9
Vinyl chloride	< 12.9

ELAP Number 10958

Method: EPA 8260B

Data File: V79044.D

Aromatics	Results in ug / Kg
Benzene	< 12.9
Chlorobenzene	< 12.9
Ethylbenzene	< 12.9
Toluene	< 12.9
m,p-Xylene	< 12.9
o-Xylene	< 12.9
Styrene	< 32.3
1,2-Dichlorobenzene	< 12.9
1,3-Dichlorobenzene	< 12.9
1,4-Dichlorobenzene	< 12.9

Ketones	Results in ug / Kg
Acetone	< 64.6
2-Butanone	< 64.6
2-Hexanone	< 32.3
4-Methyl-2-pentanone	< 32.3

Miscellaneous	Results in ug / Kg
Carbon disulfide	< 12.9
Vinyl acetate	< 32.3

Comments: ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: **Environmental Compliance Inc**

Client Job Site:	Angelica - Ballston Spa	Lab Project Number:	10-4046
		Lab Sample Number:	13049
Client Job Number:	N/A		
Field Location:	Contaminated Soil Excavation	Date Sampled:	09/30/2010
Field ID Number:	N/A	Date Received:	10/04/2010
Sample Type:	Soil	Date Analyzed:	10/08/2010

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	2,470	Dibenz (a,h) anthracene	2,330
Anthracene	9,960	Fluoranthene	38,000
Benzo (a) anthracene	17,900	Fluorene	3,690
Benzo (a) pyrene	15,400	Indeno (1,2,3-cd) pyrene	8,150
Benzo (b) fluoranthene	13,200	Naphthalene	< 2,270
Benzo (g,h,i) perylene	7,350	Phenanthrene	28,800
Benzo (k) fluoranthene	10,000	Pyrene	34,600
Chrysene	15,900	Acenaphthylene	2,540
Diethyl phthalate	< 2,270	1,2-Dichlorobenzene	< 2,270
Dimethyl phthalate	< 5,670	1,3-Dichlorobenzene	< 2,270
Butylbenzylphthalate	< 2,270	1,4-Dichlorobenzene	< 2,270
Di-n-butyl phthalate	< 2,270	1,2,4-Trichlorobenzene	< 2,270
Di-n-octylphthalate	< 2,270	Nitrobenzene	< 2,270
Bis (2-ethylhexyl) phthalate	< 2,270	2,4-Dinitrotoluene	< 2,270
2-Chloronaphthalene	< 2,270	2,6-Dinitrotoluene	< 2,270
Hexachlorobenzene	< 2,270	Bis (2-chloroethyl) ether	< 2,270
Hexachloroethane	< 2,270	Bis (2-chloroisopropyl) ether	< 2,270
Hexachlorocyclopentadiene	< 2,270	Bis (2-chloroethoxy) methane	< 2,270
Hexachlorobutadiene	< 2,270	4-Bromophenyl phenyl ether	< 2,270
N-Nitroso-di-n-propylamine	< 2,270	4-Chlorophenyl phenyl ether	< 2,270
N-Nitrosodiphenylamine	< 2,270	Benzidine	< 5,670
N-Nitrosodimethylamine	< 2,270	3,3'-Dichlorobenzidine	< 2,270
Isophorone	< 2,270	4-Chloroaniline	< 2,270
Benzyl alcohol	< 5,670	2-Nitroaniline	< 5,670
Dibenzofuran	< 2,270	3-Nitroaniline	< 5,670
2-Methylnaphthalene	< 2,270	4-Nitroaniline	< 5,670

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	< 2,270	2-Methylphenol	< 2,270
2-Chlorophenol	< 2,270	3&4-Methylphenol	< 2,270
2,4-Dichlorophenol	< 2,270	2,4-Dimethylphenol	< 2,270
2,6-Dichlorophenol	< 2,270	2-Nitrophenol	< 2,270
2,4,5-Trichlorophenol	< 5,670	4-Nitrophenol	< 5,670
2,4,6-Trichlorophenol	< 2,270	2,4-Dinitrophenol	< 5,670
Pentachlorophenol	< 5,670	4,6-Dinitro-2-methylphenol	< 5,670
4-Chloro-3-methylphenol	< 2,270	Benzoic acid	< 5,670

ELAP Number 10958

Method: EPA 8270C

Data File: S53328.D

Comments: ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger: Technical Director

PARADIGM

ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 * (800) 724-1997
FAX: (585) 647-3311

CHAIN OF CUSTODY

REPORT TO:

INVOICE TO:

PROJECT NAME/SITE NAME:
MESERICA - BALSAM SPA

COMPANY: <i>ENVIRONMENTAL SERVICES, INC.</i>	ADDRESS: <i>20 Box 312</i>	CITY: <i>LY</i>	STATE: <i>NY</i>	ZIP: <i>14059</i>	PHONE: <i>(716) 655-6122</i>	FAX: <i>(585) 647-3311</i>	LAB PROJECT #: <i>104046</i>	CLIENT PROJECT #:
COMPANY: <i>SARIS</i>	ADDRESS:	CITY:	STATE:	ZIP:	PHONE:	FAX:	TURNAROUND TIME: (WORKING DAYS)	
ATTN: <i>MARK SCHNECKENBERGER</i>	ATTN:	ATTN:	ATTN:	ATTN:	ATTN:	ATTN:	1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input checked="" type="checkbox"/> 5 <input type="checkbox"/>	OTHER <input checked="" type="checkbox"/>

** COMMENTS: * COMMENTS: MARK SCHNECKENBERGER @ ECI - THIS SAMPLE MAY NEED SPLIT * S/D TAT PER email from M.S. to JD EAH10/14*

DATE	TIME	COMPOSITE	G R A B	SAMPLE LOCATION/FIELD ID	M A T R I X	C O N T A M I N A T I O N S	Total RCRA Metals	PCB	8270 ABN	8260 TCL	TCLP RCRA Metals	8015 DRO	PARADIGM LAB SAMPLE NUMBER
1/30/10	5:10 PM	X		Contaminated Soil Enclosure	Soil	1	X	X	X	X	X	X	See Comments *** 13049

****LAB USE ONLY****

SAMPLE CONDITION: Check box if acceptable or note deviation: CONTAINER TYPE: PRESERVATIONS: *N/A* HOLDING TIME: TEMPERATURE: *6°C iced*

Sampled By: *[Signature]* Date/Time: *9/30/10 @ 5:20 PM* Relinquished By: *[Signature]* Date/Time: *9/30/10 @ 9:35 AM*

Received By: *[Signature]* Date/Time: *10/11/10 9:45* Received @ Lab By: *[Signature]* Date/Time: *10/11/10 1453*

P.L.F.



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

ECI

For Lab Project # 11-0486
Issued February 16, 2011
This report contains a total of 5 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Each page of this document is part of a multipage report. This document may not be reproduced except in its entirety, without the prior consent of Paradigm Environmental Services, Inc.

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NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

"<" = analyzed for but not detected at or above the reporting limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.



LABORATORY ANALYSIS REPORT FOR TCLP HERBICIDES

Client: ECI **Lab Project No:** 11-0486
Client Job Site: ATS / Ballston Spa **Lab Sample No:** 2198
Client Job No: N/A **Sample Type:** TCLP Extract
Field Location: Staged PCS **Date Sampled:** 1/31/2011
Date Received: 2/3/2011
Date Analyzed: 2/14/2011

Parameter	Result (mg/L)	Regulatory Limit (mg/L)
2,4,5-TP (Silvex)	<0.05	1.0
2,4-D	<0.50	10.0

Analytical Method: SW1311/8151

ELAP ID: 10709

Comments:

Approved By: *Bruce Hoogesteger*
Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.

Pesticide Report for TCLP Extract

Client: ECI

Client Job Site: ATS / Ballston Spa	Lab Project Number: 11-0486
	Lab Sample Number: 2198
Client Job Number: N/A	
Field Location: Staged PCS	Date Sampled: 01/31/2011
Field ID Number: N/A	Date Received: 02/03/2011
Sample Type: TCLP Extract	Date Analyzed: 02/09/2011

Pesticide Identification	Results in ug / L	Regulatory Limits in ug / L
gamma-BHC	< 1.00	400
Chlordane	< 1.00	30.0
Endrin	< 1.00	20.0
Heptachlor	< 1.00	8.00
Heptachlor Epoxide	< 1.00	8.00
Methoxychlor	< 1.00	10000
Toxaphene	< 5.00	500

ELAP Number 10958

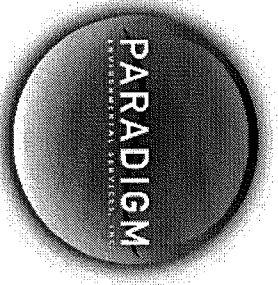
Method: EPA 8081

Comments: ug / L = microgram per Liter

Signature: _____

Bruce Hoogesteger
 Bruce Hoogesteger: Technical Director

CHAIN OF CUSTODY



REPORT TO: INVOICE TO:

COMPANY: <u>EGL</u>	COMPANY: <u>Same</u>	LAB PROJECT #: <u>11-0486</u>	CLIENT PROJECT #:
ADDRESS:	ADDRESS:	TURNAROUND TIME: (WORKING DAYS)	
CITY:	CITY:	PHONE: <u>716-655-6100</u>	FAX: <u>716-655-6100</u>
STATE:	STATE:	ATTN: <u>MARK Schweaenkenberger</u>	ATTN:
ZIP:	ZIP:	COMMENTS:	

PROJECT NAME/SITE NAME: A75/
Baldwinsboro

REQUESTED ANALYSIS

Quotation # 1 2 3 5

per J. David 2/3.
 Sent email to M.S.
 EDH 2/3.
 Std trial per M.S.
 PARADIGM LAB
 SAMPLE NUMBER

DATE	TIME	COMPOSITE	GRA B	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAMINANTS	REMARKS	PARADIGM LAB SAMPLE NUMBER
1/13/11	2:18pm	✓		STABED PUS	1	8081 TECP	Contact M.S.	2198
2	"	"	"	"	"	8151 TECP	@ EGL questions	
3							per M.S. in email to J. David 2/3.	
4							EDH 2/3	
5								
6								
7								
8								
9								
10								

LAB USE ONLY BELOW THIS LINE
 Sample Condition: Per NELAC/EIAP 210241/242243/244

Receipt Parameter: NELAC Compliance

Container Type: Y N

Preservation: N/A Y N

Holding Time: Y N

Temperature: 8°C Y N

Sampled By: [Signature] Date/Time: 1/13/2011 2:18pm

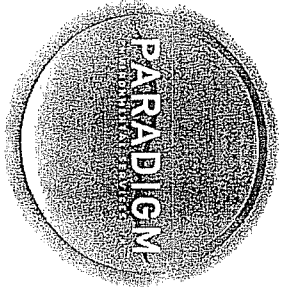
Relinquished By: _____ Date/Time: _____

Received By: [Signature] Date/Time: 2/3/11 1110

Received @ Lab By: _____ Date/Time: _____

Total Cost:

P.L.F.



179 Lake Avenue, Rochester, NY 14608 Office (585) 647-2530 Fax (585) 647-3311

CHAIN OF CUSTODY

110207015

Adic 10/1

REPORT TO:

INVOICE TO:

COMPANY: Paradigm Environmental	COMPANY: Same	LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS:	ADDRESS:	TURNAROUND TIME: (WORKING DAYS)	
CITY: STATE: ZIP:	CITY: STATE: ZIP:		
PHONE: FAX:	PHONE: FAX:	1 <input type="checkbox"/>	2 <input type="checkbox"/>
ATTN: Jane Dalioia	ATTN: Meredith Dilman	3 <input type="checkbox"/>	4 <input checked="" type="checkbox"/>
COMMENTS: Please email results to khansen@paradigmenv.com and jdalioia@paradigmenv.com		5 <input type="checkbox"/>	OTHER <input type="checkbox"/>
PROJECT NAME/SITE NAME:		Date Due: 2/14/11	

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GRADES	SAMPLE LOCATION/FIELD ID	MATERIALS	CONTAMINANTS	REMARKS	PARADIGM LAB SAMPLE NUMBER
1 2/4/11				11-0486-2198	extract /	X TCU Herb	Soan + filtered detail. you have extract.	001
2								
3								
4								
5								
6								
7								
8								
9								
10								

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210241/242/243/244

Receipt Parameter	NELAC Compliance
Container Type:	Y <input type="checkbox"/> N <input type="checkbox"/>
Preservation:	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Holding Time:	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Temperature:	Y <input type="checkbox"/> N <input type="checkbox"/>

Client

Sampled By: *Olga Sobel* Date/Time: 2/4/11 1600

Relinquished By: *Yolker* Date/Time:

Received By: *[Signature]* Date/Time: 2-7-11 10:19 AM

Received @ Lab By: *[Signature]* Date/Time:

Total Cost:

P.I.F.



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Environmental Compliance, Inc.

For Lab Project # 11-2213

Issued June 10, 2011

This report contains a total of 3 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

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"<" = analyzed for but not detected at or above the reporting limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.



PARADIGM
ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue, Rochester, NY 14608 Office: (585) 647-2530 Fax: (585) 647-3311

LAB REPORT FOR TCLP RCRA METALS ANALYSIS

Client: Environmental Compliance Inc.

Lab Project No.: 11-2213

Lab Sample No.: 7434

Client Job Site: Angelica Textiles
Ballston Spa, NY

Sample Type: TCLP Extract

Client Job No.: N/A

Date Sampled: 06/02/2011

Field Location: PCS Pile 6/2/11

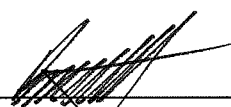
Date Received: 06/03/2011

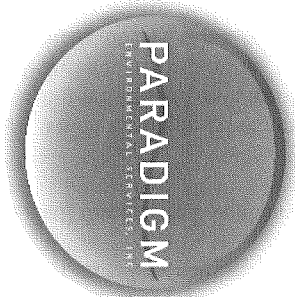
Field ID No.: N/A

Parameter	Date Analyzed	Analytical Method	Result (mg/L)	Regulatory Limit (mg/L)
Arsenic	06/09/2011	SW846 3005/6010	<0.100	5.0
Barium	06/09/2011	SW846 3005/6010	3.04	100
Cadmium	06/09/2011	SW846 3005/6010	<0.025	1.0
Chromium	06/09/2011	SW846 3005/6010	<0.050	5.0
Lead	06/09/2011	SW846 3005/6010	<0.100	5.0
Mercury	06/09/2011	SW846 7470	<0.0020	0.2
Selenium	06/09/2011	SW846 3005/6010	<0.100	1.0
Silver	06/09/2011	SW846 3005/6010	<0.050	5.0

ELAP ID No.:10958

Comments: The laboratory control spike duplicate was outside QC limits for Ag and Cd.

Approved By: 
Bruce Hoogestegen, Technical Director



CHAIN OF CUSTODY

REPORT TO:

INVOICE TO:

COMPANY: <i>Environmental Compliance Inc</i>	COMPANY: <i>(Same)</i>	LAB PROJECT #: <i>11-2213</i>	CLIENT PROJECT #:
ADDRESS: <i>P.O. Box 342</i>	ADDRESS:	TURNAROUND TIME: (WORKING DAYS)	
CITY: <i>Elmira</i>	CITY:	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input checked="" type="checkbox"/> 5	
STATE: <i>NY</i>	STATE:	<i>* Check with these 5 OR per STD OTHER</i>	
ZIP:	ZIP:		
PHONE: <i>(716) 655-6120</i>	PHONE:		
FAX: <i>(716) 655-6120</i>	FAX:		
ATTN: <i>How Schwelens/Berbeck</i>	ATTN:		
COMMENTS: <i>* Expect High Levels</i>	REQUESTED ANALYSIS	Quotation #	

DATE	TIME	COMPOSITE	GARB	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAMINANTS	REMARKS	PARADIGM LAB SAMPLE NUMBER
<i>6/2/11</i>	<i>4:00 PM</i>	<i>X</i>		<i>PES FILE 6/2/11</i>		<i>TOLP RURA METALS</i>	<i>* Ho-Sample</i>	<i>7434</i>

****LAB USE ONLY BELOW THIS LINE****

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter: **NELAC Compliance**

Container Type: Y N

Comments: Preservation: *N/A* Y N

Comments: Holding Time: Y N

Comments: Temperature: *230C - N/A* Y N

Comments: *big for metals only*

Received By: *[Signature]* Date/Time: *6/2/11 4:00 PM* Total Cost:

Relinquished By: *[Signature]* Date/Time: *6/2/11 5:00 PM*

Received By: *Shawna A Honck* Date/Time: *6/3/11 11:10* P.I.F.

Received @ Lab By:



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Environmental Compliance, Inc.

For Lab Project # 11-2370

Issued June 15, 2011

This report contains a total of 3 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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"Z" = See case narrative.

"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.



LAB REPORT FOR TCLP RCRA METALS ANALYSIS

Client: Environmental Compliance Inc.

Lab Project No.: 11-2370

Lab Sample No.: 7846

Client Job Site: Angelica-Ballston Spa

Sample Type: TCLP Extract

Client Job No.: N/A

Date Sampled: 06/10/2011

Field Location: PCS Pile 6/9/11


Date Received: 06/13/2011

Field ID No.: N/A

Parameter	Date Analyzed	Analytical Method	Result (mg/L)	Regulatory Limit (mg/L)
Arsenic	06/15/2011	SW846 3005/6010	<0.100	5.0
Barium	06/15/2011	SW846 3005/6010	1.89	100
Cadmium	06/15/2011	SW846 3005/6010	<0.025	1.0
Chromium	06/15/2011	SW846 3005/6010	<0.050	5.0
Lead	06/15/2011	SW846 3005/6010	<0.500	5.0
Mercury	06/15/2011	SW846 7470	<0.0020	0.2
Selenium	06/15/2011	SW846 3005/6010	<0.100	1.0
Silver	06/15/2011	SW846 3005/6010	<0.050	5.0

ELAP ID No.:10958

Comments:

Approved By: 
Bruce Hoogesteger, Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

CHAIN OF CUSTODY

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 * (800) 724-1997
FAX: (585) 647-3311

REPORT TO:
INVOICE TO:

PROJECT NAME/SITE NAME:

Moselle - Bussard 589

REQUESTED ANALYSIS

COMPANY: <i>DUMKORNESTAL CARPENTRY LLC</i>	COMPANY: <i>(same)</i>	LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS: <i>P.O. Box 342</i>	ADDRESS:	<i>11-2370</i>	
CITY: <i>Elba NY</i>	CITY:	TURNAROUND TIME: (WORKING DAYS)	
STATE: <i>NY</i>	STATE:		
ZIP: <i>11937</i>	ZIP:		
PHONE: <i>(616) 655-6120</i>	PHONE:	STD <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>
FAX: <i>(616) 655-6120</i>	FAX:	<input type="checkbox"/>	<input type="checkbox"/>
ATTN: <i>THOMAS SCHWENKREIBER</i>	ATTN:	<input type="checkbox"/>	<input type="checkbox"/>
COMMENTS:		<input type="checkbox"/>	<input type="checkbox"/>

2 day per lab.
ERH 6/14

DATE	TIME	COMPOSITE	GRA B	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAMINANTS	REMARKS	PARADIGM LAB SAMPLE NUMBER
6/10/11	3:30PM	X		PES PLE 6/9/11		RCRA TOL METALS	*165 Sample	7846

LAB USE ONLY

SAMPLE CONDITION: Check box if acceptable or note deviation:

CONTAINER TYPE:

PRESERVATIONS:

HOLDING TIME:

TEMPERATURE:

Sampled By:

Date/Time:

Relinquished By:

Date/Time:

Total Cost:

Relinquished By:

Date/Time:

Received By:

Date/Time:

Received By:

Date/Time:

Received @ Lab By:

Date/Time:

P.L.F.

15°C iced - N/A b/c for metals only

Sampled By: [Signature] Date/Time: 6/10/11 @ 3:30PM

Relinquished By: [Signature] Date/Time: 6/13/11 @ 8:00AM

Received By: [Signature] Date/Time: 6/13/11 @ 8:00AM

Received By: [Signature] Date/Time: 6/13/11 @ 8:20

Received @ Lab By: Elizabeth A Hornok 6/13/11 1745



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Environmental Compliance, Inc.

For Lab Project # 11-2158

Issued June 2, 2011

This report contains a total of 4 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.



LAB REPORT FOR TCLP RCRA METALS ANALYSIS

Client: Environmental Compliance Inc.

Lab Project No.: 11-2158

Client Job Site: Angelica - Ballston Spa

Lab Sample No.: 7276

Client Job No.: N/A

Sample Type: TCLP Extract

Field Location: Excavated PCS 5/26/11

Date Sampled: 05/26/2011

Field ID No.: N/A

Date Received: 05/31/2011

Parameter	Date Analyzed	Analytical Method	Result (mg/L)	Regulatory Limit (mg/L)
Arsenic	06/02/2011	SW846 1311/6010	<0.05	5.0
Barium	06/02/2011	SW846 1311/6010	1.21	100
Cadmium	06/02/2011	SW846 1311/6010	<0.05	1.0
Chromium	06/02/2011	SW846 1311/6010	<0.05	5.0
Lead	06/02/2011	SW846 1311/6010	<0.05	5.0
Mercury*	06/02/2011	SW846 7470	<0.0020	0.2
Selenium	06/02/2011	SW846 1311/6010	<0.05	1.0
Silver	06/02/2011	SW846 1311/6010	<0.10	5.0

*ELAP ID No.:10958

ELAP ID No.:10709

Comments:

Approved By: 
Bruce Hoogesteger, Technical Director



CHAIN OF CUSTODY

REPORT TO:

INVOICE TO:

COMPANY: <i>BUILDINGS & COMMERCIAL CONTRACTORS INC.</i>	COMPANY: <i>(Same)</i>	LAB PROJECT #: <i>11-2158</i>	CLIENT PROJECT #:
ADDRESS: <i>PO Box 342</i>	ADDRESS:	TURNAROUND TIME: (WORKING DAYS)	
CITY: <i>ELMA</i>	CITY:		
STATE: <i>NY</i>	STATE:		
ZIP: <i>14059</i>	ZIP:		
PHONE: <i>(716) 655-1420</i>	PHONE:		
FAX:	FAX:		
ATTN: <i>Tom Schwab</i>	ATTN:		
COMMENTS: <i>Per Lab CD emailed MS 5/31/11 EAH/S31</i>			

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GARB	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAMINANTS	REMARKS	PARADIGM LAB SAMPLE NUMBER
1	5/26/11	3:30PM	X	EXAMINED PCS 5/26/11	Soil	TCLP RCRA HEAVY		7276
2								
3								
4								
5								
6								
7								
8								
9								
10								

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter: NELAC Compliance

Comments: Container Type: Y N

Comments: Preservation: Y N N/A

Comments: Holding Time: Y N

Comments: Temperature: *23°C - N/A* Y N N/A
big for metals only

Sampled By: *[Signature]* Date/Time: *5/31/11 5:50 PM*

Relinquished By: *[Signature]* Date/Time: *5:20 PM*

Received By: *Elizabeth A Honick* Date/Time: *5/31/11 1530*

Received @ Lab By: _____ Date/Time: _____

Total Cost:

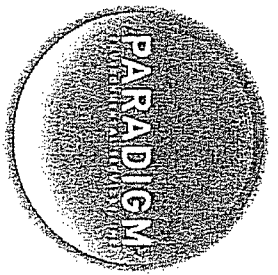
P.I.F.

Quotation # 1 2 3 5

CHAIN OF CUSTODY

110601002

ADLE 1051



REPORT TO: INVOICE TO:

COMPANY: Paradigm Environmental	ADDRESS:	COMPANY: Same	ADDRESS:	LAB PROJECT #:	CLIENT PROJECT #:
CITY: STATE: ZIP:	CITY: STATE: ZIP:	CITY: STATE: ZIP:	CITY: STATE: ZIP:	TURNDOWN TIME: (WORKING DAYS)	STD OTHER
PHONE: FAX:	PHONE: FAX:	PHONE: FAX:	PHONE: FAX:	X 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 5	
ATTN: Jane Dalioia	ATTN: Meredith Dillman	Date Due: 6/21/11			
COMMENTS: Please email results to khansen@paradigmenv.com and jdalioia@paradigmenv.com					

REQUESTED ANALYSIS

deper Tara ASP per Jane

EAH 5/31

DATE	TIME	C O M P O S I T E	G R A B	SAMPLE LOCATION/FIELD ID	M A T T R I X	C O N T A M I N A S	REMARKS	PARADIGM LAB SAMPLE NUMBER
5/26/11	1530			11-2158-7276	SOIL	TCP RCRA Metals minus Hg		001

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/EIAP 210/241/242/243/244

Receipt Parameter: NELAC Compliance

Container Type: Y N

Preservation: Y N

Holding Time: Y N

Temperature: W/H Y N

Client

Sampled By: Elizabeth A Honck Date/Time: 5/31/11 1600

Relinquished By: Felby Date/Time: _____

Received By: [Signature] Date/Time: 5-1-11 8:19A

Received @ Lab By: [Signature] Date/Time: _____

Total Cost:

P.L.F.



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Environmental Compliance, Inc.

For Lab Project # 11-2112

Issued June 3, 2011

This report contains a total of 6 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Each page of this document is part of a multipage report. This document may not be reproduced except in its entirety, without the prior consent of Paradigm Environmental Services, Inc.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

"<" = analyzed for but not detected at or above the reporting limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.




LABORATORY REPORT FOR OIL AND GREASE

Client:	<u>Environmental Compliance, Inc.</u>	Lab Project No.:	11-2112
Client Job Site:	Angelica - Ballston Spa	Sample Type:	Water
Client Job No.:	N/A	Date Sampled:	5/25/2011
		Date Received:	5/26/2011
Analytical Method:	EPA 1664	Date Analyzed:	5/27/2011

Lab Sample ID.	Sample Location/Field ID	Oil and Grease (mg/L)
7129	Baker Tank Water Sample	4.5

ELAP ID. No.: 10709

Comments:

Approved By: 
Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



LAB REPORT FOR TCLP RCRA METALS ANALYSIS

Client: Environmental Compliance Inc.

Lab Project No.: 11-2112

Lab Sample No.: 7131

Client Job Site: Angelica - Ballston Spa

Sample Type: TCLP Extract

Client Job No.: N/A

Date Sampled: 05/25/2011

Field Location: Excavated PCS 5/25/11

Date Received: 05/26/2011


Field ID No.: N/A

Parameter	Date Analyzed	Analytical Method	Result (mg/L)	Regulatory Limit (mg/L)
Arsenic	06/02/2011	SW846 3005/6010	<0.100	5.0
Barium	06/02/2011	SW846 3005/6010	<0.500	100
Cadmium	06/02/2011	SW846 3005/6010	<0.025	1.0
Chromium	06/02/2011	SW846 3005/6010	<0.050	5.0
Lead	06/02/2011	SW846 3005/6010	<0.100	5.0
Mercury	06/01/2011	SW846 7470	<0.0020	0.2
Selenium	06/02/2011	SW846 3005/6010	<0.100	1.0
Silver	06/02/2011	SW846 3005/6010	<0.050	5.0

ELAP ID No.:10958

Comments:

Approved By: _____


Bruce Hoogesteger, Technical Director



Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: Environmental Compliance, Inc.

Client Job Site:	Angelica - Ballston Spa	Lab Project Number:	11-2112
Client Job Number:	N/A	Lab Sample Number:	7130
Field Location:	Existing Contaminated Soil	Date Sampled:	05/25/2011
Field ID Number:	N/A	Date Received:	05/26/2011
Sample Type:	Soil	Date Analyzed:	05/27/2011

Base / Neutrals	Results in ug / Kg
Pyridine	< 440


ELAP Number 10709

Analytical Method: SW8270C

Prep Method: SW3545

Comments: ug / Kg = microgram per Kilogram

Signature: _____


Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

CHAIN OF CUSTODY



PARADIGM
CHEMICAL SERVICES, INC.

REPORT TO:

INVOICE TO:

COMPANY: <u>ENVIRONMENTAL LABORATORY INC.</u>	COMPANY: <u>*(Same)</u>	LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS: <u>PO Box 342</u>	ADDRESS:	<u>11-2112</u>	
CITY: <u>ELMA</u>	STATE: <u>NY</u>	CITY: <u>ELMA</u>	STATE: <u>NY</u>
PHONE: <u>(716) 655-6126</u>	FAX: <u>14859</u>	PHONE: <u>EAH 5126</u>	FAX:
ATTN: <u>MARK SCHWARTZBERGER</u>	ATTN:	TURNAROUND TIME: (WORKING DAYS) <input checked="" type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 5 <input type="checkbox"/> OTHER	

PROJECT NAME/SITE NAME: Amelica - Bauson 524

Quotation # 1 day for atg.
5 day for TCLP
2 day for pyridine.
 per day as per MS 5128.
 PARADIGM LAB
 SAMPLE NUMBER EAH 5126

DATE	TIME	COMPOSITE	GARB	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAMINANTS	REQUESTED ANALYSIS	REMARKS	PARADIGM LAB SAMPLE NUMBER
1/25/11	2:45	X	X	BAKER TRUCK W/ WATER SAMPLE	EAH 5126	X	OILS & GREASE PYRIDINE TCLP RURA METALS	Can't take 5 fl. ounces	7129
2/25/11	2:50	X		EXISTING CONTAMINATED SOIL	EAH 5126	X		POWER TOOL RE-USED	7130
3/25/11	3:00	X		EXCAVATED PDS SPILL	EAH 5126	X			7131
4									
5									
6									
7									
8									
9									
10									

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter: NELAC Compliance

Container Type: Y N

Preservation: H₂SO₄ added to water Y N

Sample at Lab: Sample at Lab Y N

Holding Time: 24°C Y N

Temperature: 24°C Y N

Comments:

Sampled By: William H. Schwartzberg (MSD) Date/Time: 5/25/11 @ 3:00 PM
 Relinquished By: William H. Schwartzberg Date/Time: 5/25/11 @ 4:00 PM

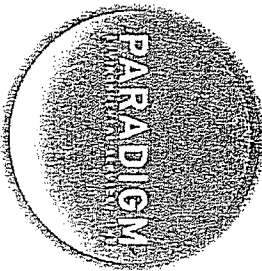
Received By: Elizabeth A. Hornick Date/Time: 5/26/11 12:25
 Received @ Lab By: _____ Date/Time: _____

Total Cost:

P.I.F.

(105) 27001

Adk 1051



CHAIN OF CUSTODY

REPORT TO: INVOICE TO:

COMPANY: Paradigm Environmental	COMPANY: Same	LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS:	ADDRESS:	TURNAROUND TIME (WORKING DAYS)	
CITY: STATE: ZIP:	CITY: STATE: ZIP:	1	2
PHONE: FAX:	PHONE: FAX:	3	6
ATTN: Jane Dalioia	ATTN: Meredith Dillman	STD	OTHER
COMMENTS: Please email results to khansen@paradigmenv.com and dalioia@paradigmenv.com		Date Due: See below, Ruskas OK per Tara AS	

REQUESTED ANALYSIS

DATE	TIME	COMPOSITE	GRAVIM	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAMINANTS	REMARKS	PARADIGM LAB SAMPLE NUMBER
5/25/11	1445			11-2112-7129	Asp	1 X	oil+grease 8270BN-pyridine only	001
2	1450			7130	50.1	1	Due ASP - 5/31/11	002
3								
4								
5								
6								
7								
8								
9								
10								

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210241/24243/244

Recal/pl Parameter	NELAC Compliance
Comments: Containter Type:	Y <input type="checkbox"/> N <input type="checkbox"/>
Comments: Preservation:	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Comments: Holding Time:	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>
Comments: Temperature:	18°C Y <input type="checkbox"/> N <input type="checkbox"/>

Client

Sampled By: Blair A Honck Date/Time: 5/26/11 1600

Relinquished By: Foley Date/Time: _____

Total Cost: _____

Received By: [Signature] Date/Time: 5-27-11 8:49 AM P.L.F.

Received @ Lab By: _____ Date/Time: _____



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Environmental Compliance Inc.

For Lab Project #11-2159

Issued June 7, 2011

This report contains a total of 11 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

"<" = analyzed for but not detected at or above the reporting limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.



LAB REPORT FOR pH ANALYSIS IN WATERS

Client: Environmental Compliance Inc

Lab Project No.: 11-2159

Client Job Site: Angelica-Ballston Spa

Sample Type: Water

Method: SM19 4500HB / EPA 9040

Client Job No.: N/A

Date Sampled: 05/27/2011

Time Sampled: 1:20 PM

Date Received: 05/31/2011

Time Received: 3:40 PM

Date Analyzed: 05/31/2011


Time Analyzed: 4:05 PM

Location: Lab

Lab Sample No.	Field ID No.	Field Location	pH Results (S.U.)
7279	N/A	Excavation Water 2A, 2B	7.94 @ 24.6 °C

ELAP ID No.:10958

Comments:

Approved By: 
Bruce Hoogesteger, Technical Director



LABORATORY REPORT FOR OIL AND GREASE

Client:	<u>Environmental Compliance, Inc.</u>	Lab Project No.:	11-2159
Client Job Site:	Angelica-Ballston Spa	Sample Type:	Aqueous Liquid
Client Job No.:	N/A	Date Sampled:	5/27/2011
		Date Received:	5/31/2011
Analytical Method:	EPA 1664	Date Analyzed:	6/2/2011

Lab Sample ID.	Sample Location/Field ID	Oil and Grease (mg/L)
7279	Excavation Water - 2A, 2B	3.4

ELAP ID. No.: 10709

Comments:

Approved By: 
Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. The Chain of Custody provides additional sample information, including compliance with the sample condition requirements upon receipt.



LAB REPORT FOR TCLP RCRA METALS ANALYSIS

Client: Environmental Compliance Inc.

Lab Project No.: 11-2159

Client Job Site: Angelica-Ballston Spa

Lab Sample No.: 7277

Client Job No.: N/A

Sample Type: TCLP Extract

Field Location: PCS Pile 5/25/11

Date Sampled: 05/27/2011

Field ID No.: Composite 1A Through 1D

Date Received: 05/31/2011

Parameter	Date Analyzed	Analytical Method	Result (mg/L)	Regulatory Limit (mg/L)
Arsenic	06/02/2011	SW846 1311/6010	<0.05	5.0
Barium	06/02/2011	SW846 1311/6010	1.33	100
Cadmium	06/02/2011	SW846 1311/6010	<0.05	1.0
Chromium	06/02/2011	SW846 1311/6010	0.06	5.0
Lead	06/02/2011	SW846 1311/6010	<0.05	5.0
Mercury*	06/02/2011	SW846 7470	<0.0020	0.2
Selenium	06/02/2011	SW846 1311/6010	<0.05	1.0
Silver	06/02/2011	SW846 1311/6010	<0.10	5.0

*ELAP ID No.:10958

ELAP ID No.:10709

Comments:

Approved By: 
Bruce Hoogesteger, Technical Director



PCB Analysis Report for Soils/Solids/Sludges

Client: Environmental Compliance Inc.

Client Job Site: Angelica-Ballston Spa
Client Job Number: N/A
Field Location: PCS Pile 5/25/11
Field ID Number: Composite 1A Through 1D
Sample Type: Soil

Lab Project Number: 11-2159
Lab Sample Number: 7277
Date Sampled: 05/27/2011
Date Received: 05/31/2011
Date Analyzed: 06/02/2011

PCB Identification	Results in mg / Kg
Aroclor 1016	< 0.494
Aroclor 1221	< 0.494
Aroclor 1232	< 0.494
Aroclor 1242	< 0.494
Aroclor 1248	< 0.494
Aroclor 1254	< 0.494
Aroclor 1260	< 0.494

ELAP Number 10958

Analytical Method: EPA 8082A
Prep Method: EPA 3550C

Comments: mg / Kg = milligram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.



PHC Analysis Report for Soils/Solids/Sludges

Client: Environmental Compliance Inc

Client Job Site: Angelica - Ballston Spa

Lab Project Number: 11-2159

Lab Sample Number: 7277

Client Job Number: N/A

Field Location: PCS Pile 5/25/11

Date Sampled: 05/27/2011

Field ID Number: Composite 1A Through 1D

Date Received: 05/31/2011

Sample Type: Soil

Date Analyzed: 06/01/2011

Analyte Classification	Results in ug / Kg
Diesel Range Organics	3,110,000
Closest reference standard match: Lube	

ELAP Number 10958

Analytical Method: EPA 8015B

Prep Method: EPA 3550C

Comments: DRO = Diesel Range Organics. Quantified as total response of all peaks, C10-C28 range
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.



PHC Analysis Report for Soils/Solids/Sludges

Client: Environmental Compliance Inc.

Client Job Site: Angelica-Ballston Spa
Client Job Number: N/A
Field Location: PCS Pile 5/25/11
Field ID Number: Composite 1A Through 1D
Sample Type: Soil

Lab Project Number: 11-2159
Lab Sample Number: 7277
Date Sampled: 05/27/2011
Date Received: 05/31/2011
Date Analyzed: 06/02/2011


Analyte Classification	Results in ug / Kg
Gasoline Range Organics	1,880

ELAP Number 10958

Analytical Method: EPA 8015B

Comments: GRO = Gasoline Range Organics. Quantified as total response of all peaks, C6-C10 range
ug / Kg = microgram per Kilogram

Signature: _____


Bruce Hoogesteger: Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.

PHC Analysis Report for Soils/Solids/Sludges

Client: Environmental Compliance Inc

Client Job Site:	Angelica - Ballston Spa	Lab Project Number:	11-2159
Client Job Number:	N/A	Lab Sample Number:	7278
Field Location:	PCS Pile 5/26/11	Date Sampled:	05/27/2011
Field ID Number:	Composite 2A Through 2D	Date Received:	05/31/2011
Sample Type:	Soil	Date Analyzed:	06/01/2011

Analyte Classification	Results in ug / Kg
Diesel Range Organics	4,130,000
Closest reference standard match: Lube	

ELAP Number 10958

Analytical Method: EPA 8015B
Prep Method: EPA 3550C

Comments: DRO = Diesel Range Organics. Quantified as total response of all peaks, C10-C28 range
ug / Kg = microgram per Kilogram

Signature: _____

Bruce Hoogesteger, Technical Director

This report is part of a multipage document and should only be evaluated in its entirety. Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt.



PHC Analysis Report for Soils/Solids/Sludges

Client: Environmental Compliance Inc.

Client Job Site: Angelica-Ballston Spa
Client Job Number: N/A
Field Location: PCS Pile 5/26/11
Field ID Number: Composite 2A Through 2D
Sample Type: Soil

Lab Project Number: 11-2159
Lab Sample Number: 7278
Date Sampled: 05/27/2011
Date Received: 05/31/2011
Date Analyzed: 06/02/2011

Analyte Classification	Results in ug / Kg
Gasoline Range Organics	18,300

ELAP Number 10958

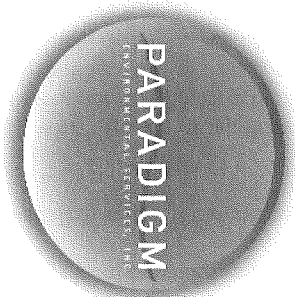
Analytical Method: EPA 8015B

Comments: GRO = Gasoline Range Organics. Quantified as total response of all peaks, C6-C10 range
ug / Kg = microgram per Kilogram

Signature: _____


Bruce Hoogesteger: Technical Director

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CHAIN OF CUSTODY

REPORT TO:

INVOICE TO:

COMPANY: PARADIGM ENVIRONMENTAL SERVICES, INC.	COMPANY: (Same)	LAB PROJECT #:	CLIENT PROJECT #:
ADDRESS: PO Box 342	ADDRESS:	11-2159	
CITY: NY	CITY:	TURNAROUND TIME: (WORKING DAYS)	
STATE: NY	STATE:	2	STD
ZIP: (Same)	ZIP:	1	OTHER
PHONE: 653-6120	PHONE:	2	
FAX: (Same)	FAX:	3	
ATTN: Paul Schmeckelberger	ATTN:	4	
		5	

PROJECT NAME/SITE NAME: **Alexica - Baulston 590**

COMMENTS: **Check with Paul Schmeckelberger for materials as per email requested analysis**

Quotation # **2 day per SD/1 lab**
 JD to email MS EAH 5/31

DATE	TIME	COMPOSITE	G R A B	SAMPLE LOCATION/FIELD ID	M A T R I X	C O N T A M I N A T I O N S	ANALYSIS	REMARKS	PARADIGM LAB SAMPLE NUMBER
1/5/27/11	11:46am	X		PCS RUE 5/25/11 - 1A	501	17		*PCS RUE 5/25/11 Composite	7 2 7 7
2/5/27/11	11:41am	X		PCS RUE 5/25/11 - 1B	51	1		1A number 1D	7 2 7 8
3/5/27/11	11:46am	X		PCS RUE 5/25/11 - 1C	51	1		*PCS RUE 5/24/11 Composite	7 2 7 9
4/5/27/11	11:46am	X		PCS RUE 5/25/11 - 1D	51	1		2B number 2D	
5/5/27/11	12:35pm	X		PCS RUE 5/26/11 - 2A	51	1		*Some Excavated Water - comp 2/b1	
6/5/27/11	12:35pm	X		PCS RUE 5/26/11 - 2B	51	1			
7/5/27/11	12:35pm	X		PCS RUE 5/26/11 - 2C	51	1			
8/5/27/11	12:35pm	X		PCS RUE 5/26/11 - 2D	51	1			
9/5/27/11	1:20pm	X		Excavated Water - 2A	51	1			
10/5/27/11	1:20pm	X		Excavated Water - 2B	51	1			

Sample Condition: Per NELAC/EI/LAP 210/241/242/243/244

Receipt Parameter: **NELAC Compliance**

Container Type: Y N

Preservation: Y N

Comments: Excav H2O org

Excav H2O org Holding Time: Y N

Comments: Excav H2O pH rec'd

Excav H2O pH rec'd Temperature: Y N

Comments: Post HT

Post HT Temperature: Y N

Received By: *[Signature]* Date/Time: **5/27/11 @ 1:20 PM**

Relinquished By: *[Signature]* Date/Time: **5/31/11 @ 8:00 AM**

Received By: *[Signature]* Date/Time: **5/31/11 1:54**

Received @ Lab By: *[Signature]* Date/Time: **5/31/11 1:54**

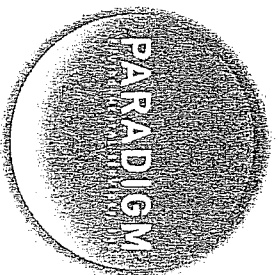
Total Cost:

P.I.F.

110601001

CHAIN OF CUSTODY

Att 1051



REPORT TO: INVOICE TO:

COMPANY: Paradigm Environmental	ADDRESS:	CITY:	STATE:	ZIP:	PHONE:	FAX:
COMPANY: Same	ADDRESS:	CITY:	STATE:	ZIP:	PHONE:	FAX:
ATTN: Jane Dalio	ATTN: Meredith Dillman	COMMENTS: Please email results to khansen@paradigmenv.com and jdalioa@paradigmenv.com				

REQUESTED ANALYSIS

DATE	TIME	C O M P O S I T E	G R A B	SAMPLE LOCATION/FIELD ID	M A T R I X	C O N T A M I N E N T S	REMARKS	PARADIGM LAB SAMPLE NUMBER
5/27/11				11-2159-7277	Soil	X TOL PCRA Metals minus Hg	Oil+grease	001
2	↓			7279	Oil	X	for 1/6 as per attached email	002
3								
4								
5								
6								
7								
8								
9								
10								

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/EI LAP 210/241/242/243/244

Receipt Parameter: NELAC Compliance

Container Type: Y N

Preservation: Y N

Holding Time: Y N

Temperature: Y N N

Comments: 11°

Client: Elizabeth Thomas

Sampled By: *Elizabeth Thomas* Date/Time: 5/31/11 1600

Relinquished By: *Felipa* Date/Time: 6-1-11 8:19A

Received @ Lab By: *[Signature]* Date/Time: 6-1-11 8:19A

Total Cost:

P.L.F.

Date Due: 6/2/11
OK per TARA as per same

RUSH

STD OTHER

EAH 5/31



PARADIGM
ENVIRONMENTAL SERVICES, INC.

Analytical Report Cover Page

Environmental Compliance Inc.

For Lab Project # 11-2159R

Issued June 8, 2011

This report contains a total of 3 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

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"<" = analyzed for but not detected at or above the reporting limit.

"E" = Result has been estimated, calibration limit exceeded.

"Z" = See case narrative.

"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.



LAB REPORT FOR TCLP RCRA METALS ANALYSIS

Client: Environmental Compliance Inc.

Lab Project No.: 11-2159R

Lab Sample No.: 7278R

Client Job Site: Angelica-Ballston Spa

Sample Type: TCLP Extract

Client Job No.: N/A

Date Sampled: 05/27/2011

Date Received: 06/01/2011

Field Location: PCS Pile 5/26/11-2A

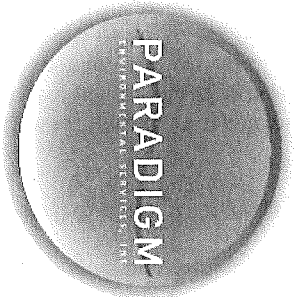
Field ID No.: N/A

Parameter	Date Analyzed	Analytical Method	Result (mg/L)	Regulatory Limit (mg/L)
Arsenic	06/08/2011	SW846 3005/6010	<0.100	5.0
Barium	06/08/2011	SW846 3005/6010	1.75	100
Cadmium	06/08/2011	SW846 3005/6010	<0.025	1.0
Chromium	06/08/2011	SW846 3005/6010	<0.050	5.0
Lead	06/08/2011	SW846 3005/6010	<0.100	5.0
Mercury	06/07/2011	SW846 7470	<0.0020	0.2
Selenium	06/08/2011	SW846 3005/6010	<0.100	1.0
Silver	06/08/2011	SW846 3005/6010	<0.050	5.0

ELAP ID No.:10958

Comments:

Approved By: 
Bruce Hoogesteger, Technical Director



CHAIN OF CUSTODY

REPORT TO:

INVOICE TO:

COMPANY: Environmental Compliance Inc.	COMPANY: (Same)	LAB PROJECT #: 11-2159 R	CLIENT PROJECT #:
ADDRESS: P.O. Box 512	ADDRESS:	TURNAROUND TIME (WORKING DAYS)	
CITY: NY	CITY:	2	
STATE: NY	STATE:	3	
ZIP: 14619	ZIP:	5	
PHONE: (716) 653-6120	PHONE:	1	
FAX: (716) 653-6120	FAX:	2	
ATTN: Mark Schwenkewitz	ATTN:	3	
COMMENTS: Check with Mark Schwenkewitz for analysis on Site of Wastewater	REQUESTED ANALYSIS	4	
		5	

PROJECT NAME/SITE NAME: **Alexico - Balswell 500**

DATE	TIME	COMPOSITE	GRA B	SAMPLE LOCATION/FIELD ID	MATRIX	CONTAMINANTS	8015 DRO	8015 GRO	PCB	TCU PCRA Metals	oil/grease	PH	REMARKS	PARADIGM LAB SAMPLE NUMBER
1/5/27/11	11:46am	X		PCS RUE 5/25/11 - 1A	Soil	17							*PCS RUE	7277
2/5/27/11	11:41am	X		PCS RUE 5/25/11 - 1B	S	1	X	X					Composite	7277
3/5/27/11	11:46am	X		PCS RUE 5/25/11 - 1C	S	1							Composite	7278
4/5/27/11	11:46am	X		PCS RUE 5/25/11 - 1D	S	1							Composite	7278
5/5/27/11	12:35PM	X		PCS RUE 5/26/11 - 2A	S	1							*PCS RUE	7279
6/5/27/11	12:35PM	X		PCS RUE 5/26/11 - 2B	S	1	X	X					Composite	7279
7/5/27/11	12:35PM	X		PCS RUE 5/26/11 - 2C	S	1							Composite	7279
8/5/27/11	12:35PM	X		PCS RUE 5/26/11 - 2D	S	1							Composite	7279
9/5/27/11	1:20PM	X		Excavated Wastewater - 2A	W	1							*Some Estimated	7279
10/5/27/11	1:20PM	X		Excavated Wastewater - 2B	W	1							*Some Estimated	7279

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NIELAC/ELAP 210/241/242/243/244

Receipt Parameter: NIELAC Compliance

Container Type: Y N

Preservation: H2SO4 added to Y N

Excav H2O Org Holding Time: Y N

Excav H2O pH rec'd: Y N

paste H2O Temperature: Y N

Received By: *[Signature]* Date/Time: 5/23/11 @ 1:20 PM Total Cost:

Relinquished By: *[Signature]* Date/Time: 5/31/11 @ 8:00 AM

Received @ Lab By: *[Signature]* Date/Time: 5/31/11 1540 P.L.F.

Relogged: populated on 6/1/11 1620 at the 5°C

Standard that Relog

New York State Department of Environmental Conservation
Environmental Quality – Division of Environmental Remediation
232 Golf Course Road, Warrensburg, NY 12885
Phone: (518) 623-1200 • Fax: (518) 623-1311
Website: www.dec.ny.gov



Joe Martens
Commissioner

June 22, 2011

Mr. Kevin McDonough
Angelica Corporation
144 Church Ave.
Ballston Spa, NY 12020

Re: NYSDEC Spill No. 1004405
Angelica Site No. 6 Fuel Oil and Waste Area
125 Bath Street
Ballston Spa, Saratoga County

Dear Mr. McDonough,

As we have discussed on site, the subsurface waste disposal conditions discovered during the remedial work undertaken for the referenced No. 6 Fuel Oil petroleum spill project have necessitated a review of this project. Based on the discovery of ash waste and leather wastes in addition to the six-oil contamination, the property must be evaluated to determine the nature of the contaminants that may be comingled in the petroleum/ash/leather waste mixture. This information is required to ensure the material is being handled and disposed of properly, at a minimum. As such, we are requesting the development of additional data to assess the appropriate management of this site. At a minimum we are requesting full TAL/TCL+30 analysis of the various soil/waste regimes revealed in the petroleum remedial response project. This includes separate sampling of ash layers, leather scrap areas, soil layers of various types at various depths and groundwater.

It is the Department's understanding that the petroleum remedial work at the site has currently been suspended while the company reviews the expansion of issues suggested by the remedial project discoveries. Meanwhile, the Department also anticipates that the complete record of waste characterization samples collected at the site thus far will be forwarded to the Department by June 22.

Please provide verbal confirmation of an intention to undertake the additional requested work within 3 days. Representative samples should then be collected and the resulting data should be forwarded to the office within 3 weeks.

If Angelica is unwilling to undertake the referenced work, the Department will take over management of this waste area in accordance with Article 12 of the NYS Navigation Law. Angelica may be determined responsible for all direct and indirect costs incurred, including interest and possible penalties.

I can be contacted at (518) 623-1235 or via email at ajfrank@gw.dec.state.ny.us if you have any additional questions or concerns.

Mr. Kevin McDonough
Page 2
June 22, 2011

Sincerely

A handwritten signature in black ink, appearing to read "Andy Frank". The signature is fluid and cursive, with a large initial "A" and "F".

Andy Frank
Environmental Engineer 1

AF:jz

Ec: Russell Huyck, NYSDEC

METHOD 6010B

INDUCTIVELY COUPLED PLASMA-ATOMIC EMISSION SPECTROMETRY

1.0 SCOPE AND APPLICATION

1.1 Inductively coupled plasma-atomic emission spectrometry (ICP-AES) determines trace elements, including metals, in solution. The method is applicable to all of the elements listed in Table 1. All matrices, excluding filtered groundwater samples but including ground water, aqueous samples, TCLP and EP extracts, industrial and organic wastes, soils, sludges, sediments, and other solid wastes, require digestion prior to analysis. Groundwater samples that have been prefiltered and acidified will not need acid digestion. Samples which are not digested must either use an internal standard or be matrix matched with the standards. Refer to Chapter Three for the appropriate digestion procedures.

1.2 Table 1 lists the elements for which this method is applicable. Detection limits, sensitivity, and the optimum and linear concentration ranges of the elements can vary with the wavelength, spectrometer, matrix and operating conditions. Table 1 lists the recommended analytical wavelengths and estimated instrumental detection limits for the elements in clean aqueous matrices. The instrument detection limit data may be used to estimate instrument and method performance for other sample matrices. Elements and matrices other than those listed in Table 1 may be analyzed by this method if performance at the concentration levels of interest (see Section 8.0) is demonstrated.

1.3 Users of the method should state the data quality objectives prior to analysis and must document and have on file the required initial demonstration performance data described in the following sections prior to using the method for analysis.

1.4 Use of this method is restricted to spectroscopists who are knowledgeable in the correction of spectral, chemical, and physical interferences described in this method.

2.0 SUMMARY OF METHOD

2.1 Prior to analysis, samples must be solubilized or digested using appropriate Sample Preparation Methods (e.g. Chapter Three). When analyzing groundwater samples for dissolved constituents, acid digestion is not necessary if the samples are filtered and acid preserved prior to analysis.

2.2 This method describes multielemental determinations by ICP-AES using sequential or simultaneous optical systems and axial or radial viewing of the plasma. The instrument measures characteristic emission spectra by optical spectrometry. Samples are nebulized and the resulting aerosol is transported to the plasma torch. Element-specific emission spectra are produced by a radio-frequency inductively coupled plasma. The spectra are dispersed by a grating spectrometer, and the intensities of the emission lines are monitored by photosensitive devices. Background correction is required for trace element determination. Background must be measured adjacent to analyte lines on samples during analysis. The position selected for the background-intensity measurement, on either or both sides of the analytical line, will be determined by the complexity of the spectrum adjacent to the analyte line. In one mode of analysis the position used should be as free as possible from spectral interference and should reflect the same change in background

intensity as occurs at the analyte wavelength measured. Background correction is not required in cases of line broadening where a background correction measurement would actually degrade the analytical result. The possibility of additional interferences named in Section 3.0 should also be recognized and appropriate corrections made; tests for their presence are described in Section 8.5. Alternatively, users may choose multivariate calibration methods. In this case, point selections for background correction are superfluous since whole spectral regions are processed.

3.0 INTERFERENCES

3.1 Spectral interferences are caused by background emission from continuous or recombination phenomena, stray light from the line emission of high concentration elements, overlap of a spectral line from another element, or unresolved overlap of molecular band spectra.

3.1.1 Background emission and stray light can usually be compensated for by subtracting the background emission determined by measurements adjacent to the analyte wavelength peak. Spectral scans of samples or single element solutions in the analyte regions may indicate when alternate wavelengths are desirable because of severe spectral interference. These scans will also show whether the most appropriate estimate of the background emission is provided by an interpolation from measurements on both sides of the wavelength peak or by measured emission on only one side. The locations selected for the measurement of background intensity will be determined by the complexity of the spectrum adjacent to the wavelength peak. The locations used for routine measurement must be free of off-line spectral interference (interelement or molecular) or adequately corrected to reflect the same change in background intensity as occurs at the wavelength peak. For multivariate methods using whole spectral regions, background scans should be included in the correction algorithm. Off-line spectral interferences are handled by including spectra on interfering species in the algorithm.

3.1.2 To determine the appropriate location for off-line background correction, the user must scan the area on either side adjacent to the wavelength and record the apparent emission intensity from all other method analytes. This spectral information must be documented and kept on file. The location selected for background correction must be either free of off-line interelement spectral interference or a computer routine must be used for automatic correction on all determinations. If a wavelength other than the recommended wavelength is used, the analyst must determine and document both the overlapping and nearby spectral interference effects from all method analytes and common elements and provide for their automatic correction on all analyses. Tests to determine spectral interference must be done using analyte concentrations that will adequately describe the interference. Normally, 100 mg/L single element solutions are sufficient; however, for analytes such as iron that may be found at high concentration, a more appropriate test would be to use a concentration near the upper analytical range limit.

3.1.3 Spectral overlaps may be avoided by using an alternate wavelength or can be compensated by equations that correct for interelement contributions. Instruments that use equations for interelement correction **require** the interfering elements be analyzed at the same time as the element of interest. When operative and uncorrected, interferences will produce false positive determinations and be reported as analyte concentrations. More extensive information on interferant effects at various wavelengths and resolutions is available in reference wavelength tables and books. Users may apply interelement

correction equations determined on their instruments with tested concentration ranges to compensate (off line or on line) for the effects of interfering elements. Some potential spectral interferences observed for the recommended wavelengths are given in Table 2. For multivariate methods using whole spectral regions, spectral interferences are handled by including spectra of the interfering elements in the algorithm. The interferences listed are only those that occur between method analytes. Only interferences of a direct overlap nature are listed. These overlaps were observed with a single instrument having a working resolution of 0.035 nm.

3.1.4 When using interelement correction equations, the interference may be expressed as analyte concentration equivalents (i.e. false analyte concentrations) arising from 100 mg/L of the interference element. For example, assume that As is to be determined (at 193.696 nm) in a sample containing approximately 10 mg/L of Al. According to Table 2, 100 mg/L of Al would yield a false signal for As equivalent to approximately 1.3 mg/L. Therefore, the presence of 10 mg/L of Al would result in a false signal for As equivalent to approximately 0.13 mg/L. The user is cautioned that other instruments may exhibit somewhat different levels of interference than those shown in Table 2. The interference effects must be evaluated for each individual instrument since the intensities will vary.

3.1.5 Interelement corrections will vary for the same emission line among instruments because of differences in resolution, as determined by the grating, the entrance and exit slit widths, and by the order of dispersion. Interelement corrections will also vary depending upon the choice of background correction points. Selecting a background correction point where an interfering emission line may appear should be avoided when practical. Interelement corrections that constitute a major portion of an emission signal may not yield accurate data. Users should not forget that some samples may contain uncommon elements that could contribute spectral interferences.

3.1.6 The interference effects must be evaluated for each individual instrument whether configured as a sequential or simultaneous instrument. For each instrument, intensities will vary not only with optical resolution but also with operating conditions (such as power, viewing height and argon flow rate). When using the recommended wavelengths, the analyst is required to determine and document for each wavelength the effect from referenced interferences (Table 2) as well as any other suspected interferences that may be specific to the instrument or matrix. The analyst is encouraged to utilize a computer routine for automatic correction on all analyses.

3.1.7 Users of sequential instruments must verify the absence of spectral interference by scanning over a range of 0.5 nm centered on the wavelength of interest for several samples. The range for lead, for example, would be from 220.6 to 220.1 nm. This procedure must be repeated whenever a new matrix is to be analyzed and when a new calibration curve using different instrumental conditions is to be prepared. Samples that show an elevated background emission across the range may be background corrected by applying a correction factor equal to the emission adjacent to the line or at two points on either side of the line and interpolating between them. An alternate wavelength that does not exhibit a background shift or spectral overlap may also be used.

3.1.8 If the correction routine is operating properly, the determined apparent analyte(s) concentration from analysis of each interference solution should fall within a specific concentration range around the calibration blank. The concentration range is calculated by multiplying the concentration of the interfering element by the value of the correction factor being tested and divided by 10. If after the subtraction of the calibration blank the apparent analyte concentration falls outside of this range in either a positive or negative direction, a change in the correction factor of more than 10% should be suspected. The cause of the change should be determined and corrected and the correction factor updated. The interference check solutions should be analyzed more than once to confirm a change has occurred. Adequate rinse time between solutions and before analysis of the calibration blank will assist in the confirmation.

3.1.9 When interelement corrections are applied, their accuracy should be verified, daily, by analyzing spectral interference check solutions. If the correction factors or multivariate correction matrices tested on a daily basis are found to be within the 20% criteria for 5 consecutive days, the required verification frequency of those factors in compliance may be extended to a weekly basis. Also, if the nature of the samples analyzed is such they do not contain concentrations of the interfering elements at \pm one reporting limit from zero, daily verification is not required. All interelement spectral correction factors or multivariate correction matrices must be verified and updated every six months or when an instrumentation change, such as in the torch, nebulizer, injector, or plasma conditions occurs. Standard solution should be inspected to ensure that there is no contamination that may be perceived as a spectral interference.

3.1.10 When interelement corrections are not used, verification of absence of interferences is required.

3.1.10.1 One method is to use a computer software routine for comparing the determinative data to limits files for notifying the analyst when an interfering element is detected in the sample at a concentration that will produce either an apparent false positive concentration, (i.e., greater than) the analyte instrument detection limit, or false negative analyte concentration, (i.e., less than the lower control limit of the calibration blank defined for a 99% confidence interval).

3.1.10.2 Another method is to analyze an Interference Check Solution(s) which contains similar concentrations of the major components of the samples (>10 mg/L) on a continuing basis to verify the absence of effects at the wavelengths selected. These data must be kept on file with the sample analysis data. If the check solution confirms an operative interference that is \geq 20% of the analyte concentration, the analyte must be determined using (1) analytical and background correction wavelengths (or spectral regions) free of the interference, (2) by an alternative wavelength, or (3) by another documented test procedure.

3.2 Physical interferences are effects associated with the sample nebulization and transport processes. Changes in viscosity and surface tension can cause significant inaccuracies, especially in samples containing high dissolved solids or high acid concentrations. If physical interferences are present, they must be reduced by diluting the sample or by using a peristaltic pump, by using an internal standard or by using a high solids nebulizer. Another problem that can occur with high dissolved solids is salt buildup at the tip of the nebulizer, affecting aerosol flow rate

and causing instrumental drift. The problem can be controlled by wetting the argon prior to nebulization, using a tip washer, using a high solids nebulizer or diluting the sample. Also, it has been reported that better control of the argon flow rate, especially to the nebulizer, improves instrument performance: this may be accomplished with the use of mass flow controllers. The test described in Section 8.5.1 will help determine if a physical interference is present.

3.3 Chemical interferences include molecular compound formation, ionization effects, and solute vaporization effects. Normally, these effects are not significant with the ICP technique, but if observed, can be minimized by careful selection of operating conditions (incident power, observation position, and so forth), by buffering of the sample, by matrix matching, and by standard addition procedures. Chemical interferences are highly dependent on matrix type and the specific analyte element.

3.4 Memory interferences result when analytes in a previous sample contribute to the signals measured in a new sample. Memory effects can result from sample deposition on the uptake tubing to the nebulizer and from the build up of sample material in the plasma torch and spray chamber. The site where these effects occur is dependent on the element and can be minimized by flushing the system with a rinse blank between samples. The possibility of memory interferences should be recognized within an analytical run and suitable rinse times should be used to reduce them. The rinse times necessary for a particular element must be estimated prior to analysis. This may be achieved by aspirating a standard containing elements at a concentration ten times the usual amount or at the top of the linear dynamic range. The aspiration time for this sample should be the same as a normal sample analysis period, followed by analysis of the rinse blank at designated intervals. The length of time required to reduce analyte signals to within a factor of two of the method detection limit should be noted. Until the required rinse time is established, this method suggests a rinse period of at least 60 seconds between samples and standards. If a memory interference is suspected, the sample must be reanalyzed after a rinse period of sufficient length. Alternate rinse times may be established by the analyst based upon their DQOs.

3.5 Users are advised that high salt concentrations can cause analyte signal suppressions and confuse interference tests. If the instrument does not display negative values, fortify the interference check solution with the elements of interest at 0.5 to 1 mg/L and measure the added standard concentration accordingly. Concentrations should be within 20% of the true spiked concentration or dilution of the samples will be necessary. In the absence of measurable analyte, overcorrection could go undetected if a negative value is reported as zero.

3.6 The dashes in Table 2 indicate that no measurable interferences were observed even at higher interferant concentrations. Generally, interferences were discernible if they produced peaks, or background shifts, corresponding to 2 to 5% of the peaks generated by the analyte concentrations.

4.0 APPARATUS AND MATERIALS

4.1 Inductively coupled argon plasma emission spectrometer:

4.1.1 Computer-controlled emission spectrometer with background correction.

4.1.2 Radio-frequency generator compliant with FCC regulations.

4.1.3 Optional mass flow controller for argon nebulizer gas supply.

4.1.4 Optional peristaltic pump.

4.1.5 Optional Autosampler.

4.1.6 Argon gas supply - high purity.

4.2 Volumetric flasks of suitable precision and accuracy.

4.3 Volumetric pipets of suitable precision and accuracy.

5.0 REAGENTS

5.1 Reagent or trace metals grade chemicals shall be used in all tests. Unless otherwise indicated, it is intended that all reagents shall conform to the specifications of the Committee on Analytical Reagents of the American Chemical Society, where such specifications are available. Other grades may be used, provided it is first ascertained that the reagent is of sufficiently high purity to permit its use without lessening the accuracy of the determination. If the purity of a reagent is in question analyze for contamination. If the concentration of the contamination is less than the MDL then the reagent is acceptable.

5.1.1 Hydrochloric acid (conc), HCl.

5.1.2 Hydrochloric acid (1:1), HCl. Add 500 mL concentrated HCl to 400 mL water and dilute to 1 liter in an appropriately sized beaker.

5.1.3 Nitric acid (conc), HNO₃.

5.1.4 Nitric acid (1:1), HNO₃. Add 500 mL concentrated HNO₃ to 400 mL water and dilute to 1 liter in an appropriately sized beaker.

5.2 Reagent Water. All references to water in the method refer to reagent water unless otherwise specified. Reagent water will be interference free. Refer to Chapter One for a definition of reagent water.

5.3 Standard stock solutions may be purchased or prepared from ultra- high purity grade chemicals or metals (99.99% pure or greater). All salts must be dried for 1 hour at 105°C, unless otherwise specified.

Note: This section does not apply when analyzing samples that have been prepared by Method 3040.

CAUTION: Many metal salts are extremely toxic if inhaled or swallowed. Wash hands thoroughly after handling.

Typical stock solution preparation procedures follow. Concentrations are calculated based upon the weight of pure metal added, or with the use of the element fraction and the weight of the metal salt added.

For metals:

$$\text{Concentration (ppm)} = \frac{\text{weight (mg)}}{\text{volume (L)}}$$

For metal salts:

$$\text{Concentration (ppm)} = \frac{\text{weight (mg)} \times \text{mole fraction}}{\text{volume (L)}}$$

5.3.1 Aluminum solution, stock, 1 mL = 1000 µg Al: Dissolve 1.000 g of aluminum metal, weighed accurately to at least four significant figures, in an acid mixture of 4.0 mL of (1:1) HCl and 1.0 mL of concentrated HNO₃ in a beaker. Warm beaker slowly to effect solution. When dissolution is complete, transfer solution quantitatively to a 1-liter flask, add an additional 10.0 mL of (1:1) HCl and dilute to volume with reagent water.

NOTE: Weight of analyte is expressed to four significant figures for consistency with the weights below because rounding to two decimal places can contribute up to 4 % error for some of the compounds.

5.3.2 Antimony solution, stock, 1 mL = 1000 µg Sb: Dissolve 2.6673 g K(SbO)C₄H₄O₆ (element fraction Sb = 0.3749), weighed accurately to at least four significant figures, in water, add 10 mL (1:1) HCl, and dilute to volume in a 1,000 mL volumetric flask with water.

5.3.3 Arsenic solution, stock, 1 mL = 1000 µg As: Dissolve 1.3203 g of As₂O₃ (element fraction As = 0.7574), weighed accurately to at least four significant figures, in 100 mL of water containing 0.4 g NaOH. Acidify the solution with 2 mL concentrated HNO₃ and dilute to volume in a 1,000 mL volumetric flask with water.

5.3.4 Barium solution, stock, 1 mL = 1000 µg Ba: Dissolve 1.5163 g BaCl₂ (element fraction Ba = 0.6595), dried at 250°C for 2 hours, weighed accurately to at least four significant figures, in 10 mL water with 1 mL (1:1) HCl. Add 10.0 mL (1:1) HCl and dilute to volume in a 1,000 mL volumetric flask with water.

5.3.5 Beryllium solution, stock, 1 mL = 1000 µg Be: Do not dry. Dissolve 19.6463 g BeSO₄·4H₂O (element fraction Be = 0.0509), weighed accurately to at least four significant figures, in water, add 10.0 mL concentrated HNO₃, and dilute to volume in a 1,000 mL volumetric flask with water.

5.3.6 Boron solution, stock, 1 mL = 1000 µg B: Do not dry. Dissolve 5.716 g anhydrous H₃BO₃ (B fraction = 0.1749), weighed accurately to at least four significant figures, in reagent water and dilute in a 1-L volumetric flask with reagent water. Transfer immediately after mixing in a clean polytetrafluoroethylene (PTFE) bottle to minimize any leaching of boron from the glass volumetric container. Use of a non-glass volumetric flask is recommended to avoid boron contamination from glassware.

5.3.7 Cadmium solution, stock, 1 mL = 1000 µg Cd: Dissolve 1.1423 g CdO (element fraction Cd = 0.8754), weighed accurately to at least four significant figures, in a

minimum amount of (1:1) HNO_3 . Heat to increase rate of dissolution. Add 10.0 mL concentrated HNO_3 and dilute to volume in a 1,000 mL volumetric flask with water.

5.3.8 Calcium solution, stock, 1 mL = 1000 μg Ca: Suspend 2.4969 g CaCO_3 (element Ca fraction = 0.4005), dried at 180°C for 1 hour before weighing, weighed accurately to at least four significant figures, in water and dissolve cautiously with a minimum amount of (1:1) HNO_3 . Add 10.0 mL concentrated HNO_3 and dilute to volume in a 1,000 mL volumetric flask with water.

5.3.9 Chromium solution, stock, 1 mL = 1000 μg Cr: Dissolve 1.9231 g CrO_3 (element fraction Cr = 0.5200), weighed accurately to at least four significant figures, in water. When solution is complete, acidify with 10 mL concentrated HNO_3 and dilute to volume in a 1,000 mL volumetric flask with water.

5.3.10 Cobalt solution, stock, 1 mL = 1000 μg Co: Dissolve 1.00 g of cobalt metal, weighed accurately to at least four significant figures, in a minimum amount of (1:1) HNO_3 . Add 10.0 mL (1:1) HCl and dilute to volume in a 1,000 mL volumetric flask with water.

5.3.11 Copper solution, stock, 1 mL = 1000 μg Cu: Dissolve 1.2564 g CuO (element fraction Cu = 0.7989), weighed accurately to at least four significant figures, in a minimum amount of (1:1) HNO_3 . Add 10.0 mL concentrated HNO_3 and dilute to volume in a 1,000 mL volumetric flask with water.

5.3.12 Iron solution, stock, 1 mL = 1000 μg Fe: Dissolve 1.4298 g Fe_2O_3 (element fraction Fe = 0.6994), weighed accurately to at least four significant figures, in a warm mixture of 20 mL (1:1) HCl and 2 mL of concentrated HNO_3 . Cool, add an additional 5.0 mL of concentrated HNO_3 , and dilute to volume in a 1,000 mL volumetric flask with water.

5.3.13 Lead solution, stock, 1 mL = 1000 μg Pb: Dissolve 1.5985 g $\text{Pb}(\text{NO}_3)_2$ (element fraction Pb = 0.6256), weighed accurately to at least four significant figures, in a minimum amount of (1:1) HNO_3 . Add 10 mL (1:1) HNO_3 and dilute to volume in a 1,000 mL volumetric flask with water.

5.3.14 Lithium solution, stock, 1 mL = 1000 μg Li: Dissolve 5.3248 g lithium carbonate (element fraction Li = 0.1878), weighed accurately to at least four significant figures, in a minimum amount of (1:1) HCl and dilute to volume in a 1,000 mL volumetric flask with water.

5.3.15 Magnesium solution, stock, 1 mL = 1000 μg Mg: Dissolve 1.6584 g MgO (element fraction Mg = 0.6030), weighed accurately to at least four significant figures, in a minimum amount of (1:1) HNO_3 . Add 10.0 mL (1:1) concentrated HNO_3 and dilute to volume in a 1,000 mL volumetric flask with water.

5.3.16 Manganese solution, stock, 1 mL = 1000 μg Mn: Dissolve 1.00 g of manganese metal, weighed accurately to at least four significant figures, in acid mixture (10 mL concentrated HCl and 1 mL concentrated HNO_3) and dilute to volume in a 1,000 mL volumetric flask with water.

5.3.17 Mercury solution, stock, 1 mL = 1000 µg Hg: Do not dry, highly toxic element. Dissolve 1.354 g HgCl₂ (Hg fraction = 0.7388) in reagent water. Add 50.0 mL concentrated HNO₃ and dilute to volume in 1-L volumetric flask with reagent water.

5.3.18 Molybdenum solution, stock, 1 mL = 1000 µg Mo: Dissolve 1.7325 g (NH₄)₆Mo₇O₂₄·4H₂O (element fraction Mo = 0.5772), weighed accurately to at least four significant figures, in water and dilute to volume in a 1,000 mL volumetric flask with water.

5.3.19 Nickel solution, stock, 1 mL = 1000 µg Ni: Dissolve 1.00 g of nickel metal, weighed accurately to at least four significant figures, in 10.0 mL hot concentrated HNO₃, cool, and dilute to volume in a 1,000 mL volumetric flask with water.

5.3.20 Phosphate solution, stock, 1 mL = 1000 µg P: Dissolve 4.3937 g anhydrous KH₂PO₄ (element fraction P = 0.2276), weighed accurately to at least four significant figures, in water. Dilute to volume in a 1,000 mL volumetric flask with water.

5.3.21 Potassium solution, stock, 1 mL = 1000 µg K: Dissolve 1.9069 g KCl (element fraction K = 0.5244) dried at 110°C, weighed accurately to at least four significant figures, in water, and dilute to volume in a 1,000 mL volumetric flask with water.

5.3.22 Selenium solution, stock, 1 mL = 1000 µg Se: Do not dry. Dissolve 1.6332 g H₂SeO₃ (element fraction Se = 0.6123), weighed accurately to at least four significant figures, in water and dilute to volume in a 1,000 mL volumetric flask with water.

5.3.23 Silica solution, stock, 1 mL = 1000 µg SiO₂: Do not dry. Dissolve 2.964 g NH₄SiF₆, weighed accurately to at least four significant figures, in 200 mL (1:20) HCl with heating at 85°C to effect dissolution. Let solution cool and dilute to volume in a 1-L volumetric flask with reagent water.

5.3.24 Silver solution, stock, 1 mL = 1000 µg Ag: Dissolve 1.5748 g AgNO₃ (element fraction Ag = 0.6350), weighed accurately to at least four significant figures, in water and 10 mL concentrated HNO₃. Dilute to volume in a 1,000 mL volumetric flask with water.

5.3.25 Sodium solution, stock, 1 mL = 1000 µg Na: Dissolve 2.5419 g NaCl (element fraction Na = 0.3934), weighed accurately to at least four significant figures, in water. Add 10.0 mL concentrated HNO₃ and dilute to volume in a 1,000 mL volumetric flask with water.

5.3.26 Strontium solution, stock, 1 mL = 1000 µg Sr: Dissolve 2.4154 g of strontium nitrate (Sr(NO₃)₂) (element fraction Sr = 0.4140), weighed accurately to at least four significant figures, in a 1-liter flask containing 10 mL of concentrated HCl and 700 mL of water. Dilute to volume in a 1,000 mL volumetric flask with water.

5.3.27 Thallium solution, stock, 1 mL = 1000 µg Tl: Dissolve 1.3034 g TlNO₃ (element fraction Tl = 0.7672), weighed accurately to at least four significant figures, in water. Add 10.0 mL concentrated HNO₃ and dilute to volume in a 1,000 mL volumetric flask with water.

5.3.28 Tin solution, stock, 1 mL = 1000 µg Sn: Dissolve 1.000 g Sn shot, weighed accurately to at least 4 significant figures, in 200 mL (1:1) HCl with heating to effect dissolution. Let solution cool and dilute with (1:1) HCl in a 1-L volumetric flask.

5.3.29 Vanadium solution, stock, 1 mL = 1000 µg V: Dissolve 2.2957 g NH_4VO_3 (element fraction V = 0.4356), weighed accurately to at least four significant figures, in a minimum amount of concentrated HNO_3 . Heat to increase rate of dissolution. Add 10.0 mL concentrated HNO_3 and dilute to volume in a 1,000 mL volumetric flask with water.

5.3.30 Zinc solution, stock, 1 mL = 1000 µg Zn: Dissolve 1.2447 g ZnO (element fraction Zn = 0.8034), weighed accurately to at least four significant figures, in a minimum amount of dilute HNO_3 . Add 10.0 mL concentrated HNO_3 and dilute to volume in a 1,000 mL volumetric flask with water.

5.4 Mixed calibration standard solutions - Prepare mixed calibration standard solutions by combining appropriate volumes of the stock solutions in volumetric flasks (see Table 3). Add the appropriate types and volumes of acids so that the standards are matrix matched with the sample digestates. Prior to preparing the mixed standards, each stock solution should be analyzed separately to determine possible spectral interference or the presence of impurities. Care should be taken when preparing the mixed standards to ensure that the elements are compatible and stable together. Transfer the mixed standard solutions to FEP fluorocarbon or previously unused polyethylene or polypropylene bottles for storage. Fresh mixed standards should be prepared, as needed, with the realization that concentration can change on aging. Some typical calibration standard combinations are listed in Table 3.

NOTE: If the addition of silver to the recommended acid combination results in an initial precipitation, add 15 mL of water and warm the flask until the solution clears. Cool and dilute to 100 mL with water. For this acid combination, the silver concentration should be limited to 2 mg/L. Silver under these conditions is stable in a tap-water matrix for 30 days. Higher concentrations of silver require additional HCl.

5.5 Two types of blanks are required for the analysis for samples prepared by any method other than 3040. The calibration blank is used in establishing the analytical curve, and the method blank is used to identify possible contamination resulting from varying amounts of the acids used in the sample processing.

5.5.1 The calibration blank is prepared by acidifying reagent water to the same concentrations of the acids found in the standards and samples. Prepare a sufficient quantity to flush the system between standards and samples. The calibration blank will also be used for all initial and continuing calibration blank determinations (see Sections 7.3 and 7.4).

5.5.2 The method blank must contain all of the reagents in the same volumes as used in the processing of the samples. The method blank must be carried through the complete procedure and contain the same acid concentration in the final solution as the sample solution used for analysis.

5.6 The Initial Calibration Verification (ICV) is prepared by the analyst by combining compatible elements from a standard source different than that of the calibration standard and at concentrations within the linear working range of the instrument (see Section 8.6.1 for use).

5.7 The Continuing Calibration Verification (CCV) should be prepared in the same acid matrix using the same standards used for calibration at a concentration near the mid-point of the calibration curve (see Section 8.6.1 for use).

5.8 The interference check solution is prepared to contain known concentrations of interfering elements that will provide an adequate test of the correction factors. Spike the sample with the elements of interest, particularly those with known interferences at 0.5 to 1 mg/L. In the absence of measurable analyte, overcorrection could go undetected because a negative value could be reported as zero. If the particular instrument will display overcorrection as a negative number, this spiking procedure will not be necessary.

6.0 SAMPLE COLLECTION, PRESERVATION, AND HANDLING

6.1 See the introductory material in Chapter Three, Inorganic Analytes, Sections 3.1 through 3.3.

7.0 PROCEDURE

7.1 Preliminary treatment of most matrices is necessary because of the complexity and variability of sample matrices. Groundwater samples which have been prefiltered and acidified will not need acid digestion. Samples which are not digested must either use an internal standard or be matrix matched with the standards. Solubilization and digestion procedures are presented in Sample Preparation Methods (Chapter Three, Inorganic Analytes).

7.2 Set up the instrument with proper operating parameters established as detailed below. The instrument must be allowed to become thermally stable before beginning (usually requiring at least 30 minutes of operation prior to calibration). Operating conditions - The analyst should follow the instructions provided by the instrument manufacturer.

7.2.1 Before using this procedure to analyze samples, there must be data available documenting initial demonstration of performance. The required data document the selection criteria of background correction points; analytical dynamic ranges, the applicable equations, and the upper limits of those ranges; the method and instrument detection limits; and the determination and verification of interelement correction equations or other routines for correcting spectral interferences. This data must be generated using the same instrument, operating conditions and calibration routine to be used for sample analysis. These documented data must be kept on file and be available for review by the data user or auditor.

7.2.2 Specific wavelengths are listed in Table 1. Other wavelengths may be substituted if they can provide the needed sensitivity and are corrected for spectral interference. Because of differences among various makes and models of spectrometers, specific instrument operating conditions cannot be provided. The instrument and operating conditions utilized for determination must be capable of providing data of acceptable quality to the program and data user. The analyst should follow the instructions provided by the instrument manufacturer unless other conditions provide similar or better performance for

a task. Operating conditions for aqueous solutions usually vary from 1100 to 1200 watts forward power, 14 to 18 mm viewing height, 15 to 19 liters/min argon coolant flow, 0.6 to 1.5 L/min argon nebulizer flow, 1 to 1.8 mL/min sample pumping rate with a 1 minute preflush time and measurement time near 1 second per wavelength peak for sequential instruments and 10 seconds per sample for simultaneous instruments. For an axial plasma, the conditions will usually vary from 1100-1500 watts forward power, 15-19 liters/min argon coolant flow, 0.6-1.5 L/min argon nebulizer flow, 1-1.8 mL/min sample pumping rate with a 1 minute preflush time and measurement time near 1 second per wavelength peak for sequential instruments and 10 seconds per sample for simultaneous instruments. Reproduction of the Cu/Mn intensity ratio at 324.754 nm and 257.610 nm respectively, by adjusting the argon aerosol flow has been recommended as a way to achieve repeatable interference correction factors.

7.2.3 The plasma operating conditions need to be optimized prior to use of the instrument. This routine is not required on a daily basis, but only when first setting up a new instrument or following a change in operating conditions. The following procedure is recommended or follow manufacturer's recommendations. The purpose of plasma optimization is to provide a maximum signal to background ratio for some of the least sensitive elements in the analytical array. The use of a mass flow controller to regulate the nebulizer gas flow or source optimization software greatly facilitates the procedure.

7.2.3.1 Ignite the radial plasma and select an appropriate incident RF power. Allow the instrument to become thermally stable before beginning, about 30 to 60 minutes of operation. While aspirating a 1000 ug/L solution of yttrium, follow the instrument manufacturer's instructions and adjust the aerosol carrier gas flow rate through the nebulizer so a definitive blue emission region of the plasma extends approximately from 5 to 20 mm above the top of the load coil. Record the nebulizer gas flow rate or pressure setting for future reference. The yttrium solution can also be used for coarse optical alignment of the torch by observing the overlay of the blue light over the entrance slit to the optical system.

7.2.3.2 After establishing the nebulizer gas flow rate, determine the solution uptake rate of the nebulizer in mL/min by aspirating a known volume of calibration blank for a period of at least three minutes. Divide the volume aspirated by the time in minutes and record the uptake rate; set the peristaltic pump to deliver the rate in a steady even flow.

7.2.3.3 Profile the instrument to align it optically as it will be used during analysis. The following procedure can be used for both horizontal and vertical optimization in the radial mode, but is written for vertical. Aspirate a solution containing 10 ug/L of several selected elements. These elements can be As, Se, Tl or Pb as the least sensitive of the elements and most needing to be optimize or others representing analytical judgement (V, Cr, Cu, Li and Mn are also used with success). Collect intensity data at the wavelength peak for each analyte at 1 mm intervals from 14 to 18 mm above the load coil. (This region of the plasma is referred to as the analytical zone.) Repeat the process using the calibration blank. Determine the net signal to blank intensity ratio for each analyte for each viewing height setting. Choose the height for viewing the plasma that provides the best net intensity ratios for the elements analyzed or the highest intensity ratio for the least

sensitive element. For optimization in the axial mode, follow the instrument manufacturer's instructions.

7.2.3.4 The instrument operating condition finally selected as being optimum should provide the lowest reliable instrument detection limits and method detection limits.

7.2.3.5 If either the instrument operating conditions, such as incident power or nebulizer gas flow rate are changed, or a new torch injector tube with a different orifice internal diameter is installed, the plasma and viewing height should be re-optimized.

7.2.3.6 After completing the initial optimization of operating conditions, but before analyzing samples, the laboratory must establish and initially verify an interelement spectral interference correction routine to be used during sample analysis. A general description concerning spectral interference and the analytical requirements for background correction in particular are discussed in the section on interferences. Criteria for determining an interelement spectral interference is an apparent positive or negative concentration for the analyte that falls within \pm one reporting limit from zero. The upper control limit is the analyte instrument detection limit. Once established the entire routine must be periodically verified every six months. Only a portion of the correction routine must be verified more frequently or on a daily basis. Initial and periodic verification of the routine should be kept on file. Special cases where continual verification is required are described elsewhere.

7.2.3.7 Before daily calibration and after the instrument warmup period, the nebulizer gas flow rate must be reset to the determined optimized flow. If a mass flow controller is being used, it should be set to the recorded optimized flow rate. In order to maintain valid spectral interelement correction routines the nebulizer gas flow rate should be the same ($< 2\%$ change) from day to day.

7.2.4 For operation with organic solvents, use of the auxiliary argon inlet is recommended, as are solvent-resistant tubing, increased plasma (coolant) argon flow, decreased nebulizer flow, and increased RF power to obtain stable operation and precise measurements.

7.2.5 Sensitivity, instrumental detection limit, precision, linear dynamic range, and interference effects must be established for each individual analyte line on each particular instrument. All measurements must be within the instrument linear range where the correction equations are valid.

7.2.5.1 Method detection limits must be established for all wavelengths utilized for each type of matrix commonly analyzed. The matrix used for the MDL calculation must contain analytes of known concentrations within 3-5 times the anticipated detection limit. Refer to Chapter One for additional guidance on the performance of MDL studies.

7.2.5.2 Determination of limits using reagent water represent a best case situation and do not represent possible matrix effects of real world samples.

7.2.5.3 If additional confirmation is desired, reanalyze the seven replicate aliquots on two more non consecutive days and again calculate the method detection limit values for each day. An average of the three values for each analyte may provide for a more appropriate estimate. Successful analysis of samples with added analytes or using method of standard additions can give confidence in the method detection limit values determined in reagent water.

7.2.5.4 The upper limit of the linear dynamic range must be established for each wavelength utilized by determining the signal responses from a minimum for three, preferably five, different concentration standards across the range. One of these should be near the upper limit of the range. The ranges which may be used for the analysis of samples should be judged by the analyst from the resulting data. The data, calculations and rationale for the choice of range made should be documented and kept on file. The upper range limit should be an observed signal no more than 10% below the level extrapolated from lower standards. Determined analyte concentrations that are above the upper range limit must be diluted and reanalyzed. The analyst should also be aware that if an interelement correction from an analyte above the linear range exists, a second analyte where the interelement correction has been applied may be inaccurately reported. New dynamic ranges should be determined whenever there is a significant change in instrument response. For those analytes that periodically approach the upper limit, the range should be checked every six months. For those analytes that are known interferences, and are present at above the linear range, the analyst should ensure that the interelement correction has not been inaccurately applied.

NOTE: Many of the alkali and alkaline earth metals have non-linear response curves due to ionization and self absorption effects. These curves may be used if the instrument allows; however the effective range must be checked and the second order curve fit should have a correlation coefficient of 0.995 or better. Third order fits are not acceptable. These non-linear response curves should be revalidated and recalculated every six months. These curves are much more sensitive to changes in operating conditions than the linear lines and should be checked whenever there have been moderate equipment changes.

7.2.6 The analyst must (1) verify that the instrument configuration and operating conditions satisfy the analytical requirements and (2) maintain quality control data confirming instrument performance and analytical results.

7.3 Profile and calibrate the instrument according to the instrument manufacturer's recommended procedures, using the typical mixed calibration standard solutions described in Section 5.4. Flush the system with the calibration blank (Section 5.5.1) between each standard or as the manufacturer recommends. (Use the average intensity of multiple exposures for both standardization and sample analysis to reduce random error.) The calibration curve must consist of a minimum of a blank and a standard.

7.4 For all analytes and determinations, the laboratory must analyze an ICV (Section 5.6), a calibration blank (Section 5.5.1), and a continuing calibration verification (CCV) (Section 5.7) immediately following daily calibration. A calibration blank and either a calibration verification (CCV) or an ICV must be analyzed after every tenth sample and at the end of the sample run. Analysis of

the check standard and calibration verification must verify that the instrument is within $\pm 10\%$ of calibration with relative standard deviation $< 5\%$ from replicate (minimum of two) integrations. If the calibration cannot be verified within the specified limits, the sample analysis must be discontinued, the cause determined and the instrument recalibrated. All samples following the last acceptable ICV, CCV or check standard must be reanalyzed. The analysis data of the calibration blank, check standard, and ICV or CCV must be kept on file with the sample analysis data.

7.5 Rinse the system with the calibration blank solution (Section 5.5.1) before the analysis of each sample. The rinse time will be one minute. Each laboratory may establish a reduction in this rinse time through a suitable demonstration.

7.6 Calculations: If dilutions were performed, the appropriate factors must be applied to sample values. All results should be reported with up to three significant figures.

7.7 The MSA should be used if an interference is suspected or a new matrix is encountered. When the method of standard additions is used, standards are added at one or more levels to portions of a prepared sample. This technique compensates for enhancement or depression of an analyte signal by a matrix. It will not correct for additive interferences, such as contamination, interelement interferences, or baseline shifts. This technique is valid in the linear range when the interference effect is constant over the range, the added analyte responds the same as the endogenous analyte, and the signal is corrected for additive interferences. The simplest version of this technique is the single addition method. This procedure calls for two identical aliquots of the sample solution to be taken. To the first aliquot, a small volume of standard is added; while to the second aliquot, a volume of acid blank is added equal to the standard addition. The sample concentration is calculated by: multiplying the intensity value for the unfortified aliquot by the volume (Liters) and concentration (mg/L or mg/kg) of the standard addition to make the numerator; the difference in intensities for the fortified sample and unfortified sample is multiplied by the volume (Liters) of the sample aliquot for the denominator. The quotient is the sample concentration.

For more than one fortified portion of the prepared sample, linear regression analysis can be applied using a computer or calculator program to obtain the concentration of the sample solution.

NOTE: Refer to Method 7000 for a more detailed discussion of the MSA.

7.8 An alternative to using the method of standard additions is the internal standard technique. Add one or more elements not in the samples and verified not to cause an interelement spectral interference to the samples, standards and blanks; yttrium or scandium are often used. The concentration should be sufficient for optimum precision but not so high as to alter the salt concentration of the matrix. The element intensity is used by the instrument as an internal standard to ratio the analyte intensity signals for both calibration and quantitation. This technique is very useful in overcoming matrix interferences especially in high solids matrices.

8.0 QUALITY CONTROL

8.1 All quality control data should be maintained and available for easy reference or inspection. All quality control measures described in Chapter One should be followed.

8.2 Dilute and reanalyze samples that exceed the linear calibration range or use an alternate, less sensitive line for which quality control data is already established.

8.3 Employ a minimum of one method blank per sample batch to determine if contamination or any memory effects are occurring. A method blank is a volume of reagent water carried through the same preparation process as a sample (refer to Chapter One).

8.4 Analyze matrix spiked duplicate samples at a frequency of one per matrix batch. A matrix duplicate sample is a sample brought through the entire sample preparation and analytical process in duplicate.

8.4.1.1 The relative percent difference between spiked matrix duplicate determinations is to be calculated as follows:

$$RPD = \frac{|D_1 - D_2|}{(|D_1 + D_2|)/2} \times 100$$

where:

RPD = relative percent difference.
D₁ = first sample value.
D₂ = second sample value (replicate).

(A control limit of ± 20% RPD or within the documented historical acceptance limits for each matrix shall be used for sample values greater than ten times the instrument detection limit.)

8.4.1.2 The spiked sample or spiked duplicate sample recovery is to be within ± 25% of the actual value or within the documented historical acceptance limits for each matrix.

8.5 It is recommended that whenever a new or unusual sample matrix is encountered, a series of tests be performed prior to reporting concentration data for analyte elements. These tests, as outlined in Sections 8.5.1 and 8.5.2, will ensure that neither positive nor negative interferences are operating on any of the analyte elements to distort the accuracy of the reported values.

8.5.1 Dilution Test: If the analyte concentration is sufficiently high (minimally, a factor of 10 above the instrumental detection limit after dilution), an analysis of a 1:5 dilution should agree within ± 10% of the original determination. If not, a chemical or physical interference effect should be suspected.

8.5.2 Post Digestion Spike Addition: An analyte spike added to a portion of a prepared sample, or its dilution, should be recovered to within 75% to 125% of the known value. The spike addition should produce a minimum level of 10 times and a maximum of 100 times the instrumental detection limit. If the spike is not recovered within the specified limits, a matrix effect should be suspected.

CAUTION: If spectral overlap is suspected, use of computerized compensation, an alternate wavelength, or comparison with an alternate method is recommended.

8.6 Check the instrument standardization by analyzing appropriate QC samples as follows.

8.6.1 Verify calibration with the Continuing Calibration Verification (CCV) Standard immediately following daily calibration, after every ten samples, and at the end of an analytical run. Check calibration with an ICV following the initial calibration (Section 5.6). At the laboratory's discretion, an ICV may be used in lieu of the continuing calibration verifications. If used in this manner, the ICV should be at a concentration near the mid-point of the calibration curve. Use a calibration blank (Section 5.5.1) immediately following daily calibration, after every 10 samples and at the end of the analytical run.

8.6.1.1 The results of the ICV and CCVs are to agree within 10% of the expected value; if not, terminate the analysis, correct the problem, and recalibrate the instrument.

8.6.1.2 The results of the check standard are to agree within 10% of the expected value; if not, terminate the analysis, correct the problem, and recalibrate the instrument.

8.6.1.3 The results of the calibration blank are to agree within three times the IDL. If not, repeat the analysis two more times and average the results. If the average is not within three standard deviations of the background mean, terminate the analysis, correct the problem, recalibrate, and reanalyze the previous 10 samples. If the blank is less than 1/10 the concentration of the action level of interest, and no sample is within ten percent of the action limit, analyses need not be rerun and recalibration need not be performed before continuation of the run.

8.6.2 Verify the interelement and background correction factors at the beginning of each analytical run. Do this by analyzing the interference check sample (Section 5.8). Results should be within $\pm 20\%$ of the true value.

9.0 METHOD PERFORMANCE

9.1 In an EPA round-robin Phase 1 study, seven laboratories applied the ICP technique to acid-distilled water matrices that had been spiked with various metal concentrates. Table 4 lists the true values, the mean reported values, and the mean percent relative standard deviations.

9.2 Performance data for aqueous solutions and solid samples from a multilaboratory study (9) are provided in Tables 5 and 6.

10.0 REFERENCES

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TABLE 1
RECOMMENDED WAVELENGTHS AND ESTIMATED INSTRUMENTAL DETECTION LIMITS

Detection Element	Wavelength ^a (nm)	Estimated IDL ^b (µg/L)
Aluminum	308.215	30
Antimony	206.833	21
Arsenic	193.696	35
Barium	455.403	0.87
Beryllium	313.042	0.18
Boron	249.678x2	3.8
Cadmium	226.502	2.3
Calcium	317.933	6.7
Chromium	267.716	4.7
Cobalt	228.616	4.7
Copper	324.754	3.6
Iron	259.940	4.1
Lead	220.353	28
Lithium	670.784	2.8
Magnesium	279.079	20
Manganese	257.610	0.93
Mercury	194.227x2	17
Molybdenum	202.030	5.3
Nickel	231.604x2	10
Phosphorus	213.618	51
Potassium	766.491	See note c
Selenium	196.026	50
Silica (SiO ₂)	251.611	17
Silver	328.068	4.7
Sodium	588.995	19
Strontium	407.771	0.28
Thallium	190.864	27
Tin	189.980x2	17
Titanium	334.941	5.0
Vanadium	292.402	5.0
Zinc	213.856x2	1.2

^aThe wavelengths listed (where x2 indicates second order) are recommended because of their sensitivity and overall acceptance. Other wavelengths may be substituted (e.g., in the case of an interference) if they can provide the needed sensitivity and are treated with the same corrective techniques for spectral interference (see Section 3.1). In time, other elements may be added as more information becomes available and as required.

^bThe estimated instrumental detection limits shown are provided as a guide for an instrumental limit. The actual method detection limits are sample dependent and may vary as the sample matrix varies.

^cHighly dependent on operating conditions and plasma position.

TABLE 2
POTENTIAL INTERFERENCES
ANALYTE CONCENTRATION EQUIVALENTS ARISING FROM
INTERFERENCE AT THE 100-mg/L LEVEL^c

Analyte	Wavelength (nm)	Interferant ^{a,b}									
		Al	Ca	Cr	Cu	Fe	Mg	Mn	Ni	Ti	V
Aluminum	308.215	--	--	--	--	--	--	0.21	--	--	1.4
Antimony	206.833	0.47	--	2.9	--	0.08	--	--	--	0.25	0.45
Arsenic	193.696	1.3	--	0.44	--	--	--	--	--	--	1.1
Barium	455.403	--	--	--	--	--	--	--	--	--	--
Beryllium	313.042	--	--	--	--	--	--	--	--	0.04	0.05
Cadmium	226.502	--	--	--	--	0.03	--	--	0.02	--	--
Calcium	317.933	--	--	0.08	--	0.01	0.01	0.04	--	0.03	0.03
Chromium	267.716	--	--	--	--	0.003	--	0.04	--	--	0.04
Cobalt	228.616	--	--	0.03	--	0.005	--	--	0.03	0.15	--
Copper	324.754	--	--	--	--	0.003	--	--	--	0.05	0.02
Iron	259.940	--	--	--	--	--	--	0.12	--	--	--
Lead	220.353	0.17	--	--	--	--	--	--	--	--	--
Magnesium	279.079	--	0.02	0.11	--	0.13	--	0.25	--	0.07	0.12
Manganese	257.610	0.005	--	0.01	--	0.002	0.002	--	--	--	--
Molybdenum	202.030	0.05	--	--	--	0.03	--	--	--	--	--
Nickel	231.604	--	--	--	--	--	--	--	--	--	--
Selenium	196.026	0.23	--	--	--	0.09	--	--	--	--	--
Sodium	588.995	--	--	--	--	--	--	--	--	0.08	--
Thallium	190.864	0.30	--	--	--	--	--	--	--	--	--
Vanadium	292.402	--	--	0.05	--	0.005	--	--	--	0.02	--
Zinc	213.856	--	--	--	0.14	--	--	--	0.29	--	--

^a Dashes indicate that no interference was observed even when interferents were introduced at the following levels:

Al - 1000 mg/L	Mg - 1000 mg/L
Ca - 1000 mg/L	Mn - 200 mg/L
Cr - 200 mg/L	Ti - 200 mg/L
Cu - 200 mg/L	V - 200 mg/L
Fe - 1000 mg/L	

^b The figures recorded as analyte concentrations are not the actual observed concentrations; to obtain those figures, add the listed concentration to the interferant figure.

^c Interferences will be affected by background choice and other interferences may be present.

TABLE 3
MIXED STANDARD SOLUTIONS

Solution	Elements
I	Be, Cd, Mn, Pb, Se and Zn
II	Ba, Co, Cu, Fe, and V
III	As, Mo
IV	Al, Ca, Cr, K, Na, Ni, Li, and Sr
V	Ag (see "NOTE" to Section 5.4), Mg, Sb, and Tl
VI	P

TABLE 4. ICP PRECISION AND ACCURACY DATA^a

Element	Sample No. 1				Sample No. 2				Sample No. 3			
	True Conc. (ug/L)	Mean Conc. (ug/L)	RSD ^b (%)	Accuracy ^d (%)	True Conc. (ug/L)	Mean Conc. (ug/L)	RSD ^b (%)	Accuracy ^d (%)	True Conc. (ug/L)	Mean Conc. (ug/L)	RSD ^b (%)	Accuracy ^d (%)
Be	750	733	6.2	98	20	20	9.8	100	180	176	5.2	98
Mn	350	345	2.7	99	15	15	6.7	100	100	99	3.3	99
V	750	749	1.8	100	70	69	2.9	99	170	169	1.1	99
As	200	208	7.5	104	22	19	23	86	60	63	17	105
Cr	150	149	3.8	99	10	10	18	100	50	50	3.3	100
Cu	250	235	5.1	94	11	11	40	100	70	67	7.9	96
Fe	600	594	3.0	99	20	19	15	95	180	178	6.0	99
Al	700	696	5.6	99	60	62	33	103	160	161	13	101
Cd	50	48	12	96	2.5	2.9	16	116	14	13	16	93
Co	700	512	10	73	20	20	4.1	100	120	108	21	90
Ni	250	245	5.8	98	30	28	11	93	60	55	14	92
Pb	250	236	16	94	24	30	32	125	80	80	14	100
Zn	200	201	5.6	100	16	19	45	119	80	82	9.4	102
Se ^c	40	32	21.9	80	6	8.5	42	142	10	8.5	8.3	85

^aNot all elements were analyzed by all laboratories.

^bRSD = relative standard deviation.

^cResults for Se are from two laboratories.

^dAccuracy is expressed as the mean concentration divided by the true concentration times 100.

TABLE 5
ICP-AES PRECISION AND ACCURACY FOR AQUEOUS SOLUTIONS^a

Element	Mean Conc. (mg/L)	N ^b	RSD ^b (%)	Accuracy ^c (%)
Al	14.8	8	6.3	100
Sb	15.1	8	7.7	102
As	14.7	7	6.4	99
Ba	3.66	7	3.1	99
Be	3.78	8	5.8	102
Cd	3.61	8	7.0	97
Ca	15.0	8	7.4	101
Cr	3.75	8	8.2	101
Co	3.52	8	5.9	95
Cu	3.58	8	5.6	97
Fe	14.8	8	5.9	100
Pb	14.4	7	5.9	97
Mg	14.1	8	6.5	96
Mn	3.70	8	4.3	100
Mo	3.70	8	6.9	100
Ni	3.70	7	5.7	100
K	14.1	8	6.6	95
Se	15.3	8	7.5	104
Ag	3.69	6	9.1	100
Na	14.0	8	4.2	95
Tl	15.1	7	8.5	102
V	3.51	8	6.6	95
Zn	3.57	8	8.3	96

^athese performance values are independent of sample preparation because the labs analyzed portions of the same solutions

^bN = Number of measurements for mean and relative standard deviation (RSD).

^cAccuracy is expressed as a percentage of the nominal value for each analyte in acidified, multi-element solutions.

TABLE 6
ICP-AES PRECISION AND BIAS FOR SOLID WASTE DIGESTS^a

Element	Spiked Coal Fly Ash (NIST-SRM 1633a)				Spiked Electroplating Sludge			
	Mean Conc. (mg/L)	N ^b	RSD ^b (%)	Bias ^c (%AAS)	Mean Conc. (mg/L)	N ^b	RSD ^b (%)	Bias ^c (%AAS)
Al	330	8	16	104	127	8	13	110
Sb	3.4	6	73	96	5.3	7	24	120
As	21	8	83	270	5.2	7	8.6	87
Ba	133	8	8.7	101	1.6	8	20	58
Be	4.0	8	57	460	0.9	7	9.9	110
Cd	0.97	6	5.7	101	2.9	7	9.9	90
Ca	87	6	5.6	208	954	7	7.0	97
Cr	2.1	7	36	106	154	7	7.8	93
Co	1.2	6	21	94	1.0	7	11	85
Cu	1.9	6	9.7	118	156	8	7.8	97
Fe	602	8	8.8	102	603	7	5.6	98
Pb	4.6	7	22	94	25	7	5.6	98
Mg	15	8	15	110	35	8	20	84
Mn	1.8	7	14	104	5.9	7	9.6	95
Mo	891	8	19	105	1.4	7	36	110
Ni	1.6	6	8.1	91	9.5	7	9.6	90
K	46	8	4.2	98	51	8	5.8	82
Se	6.4	5	16	73	8.7	7	13	101
Ag	1.4	3	17	140	0.75	7	19	270
Na	20	8	49	130	1380	8	9.8	95
Tl	6.7	4	22	260	5.0	7	20	180
V	1010	5	7.5	100	1.2	6	11	80
Zn	2.2	6	7.6	93	266	7	2.5	101

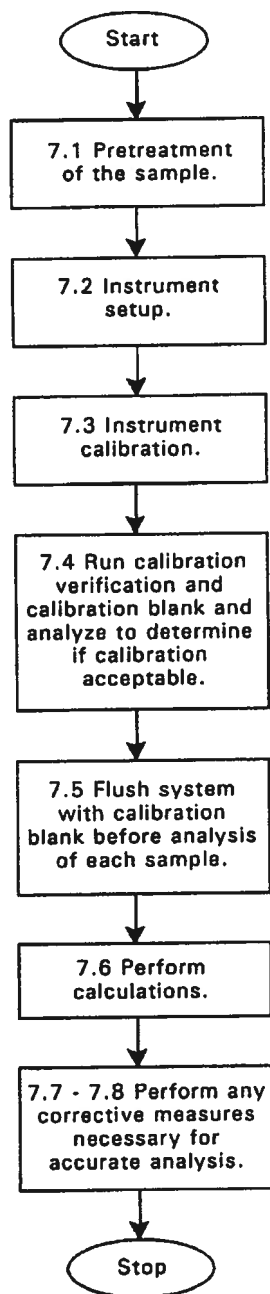
^aThese performance values are independent of sample preparation because the labs analyzed portions of the same digests.

^bN = Number of measurements for mean and relative standard deviation (RSD).

^cBias for the ICP-AES data is expressed as a percentage of atomic absorption spectroscopy (AA) data for the same digests.

METHOD 6010B

INDUCTIVELY COUPLED PLASMA-ATOMIC EMISSION SPECTROMETRY





K N A U F

S H A W

L L P

August 16, 2011

Ms. Andrea Simmons
Ballston Spa Public Library
21 Milton Avenue
Ballston Spa, NY 12020

Re: Brownfield Cleanup Program Application
Applicant: Angelica Textiles
Site Name: Angelica Textiles
Site Address: 125 Bath Street, Ballston Spa, NY 12020

Dear Ms. Simmons:

We represent Angelica Textile Services, Inc. in its anticipated Brownfield Cleanup Program application for the above-referenced site at 125 Bath Street, Ballston Spa, NY. It is a requirement of the NYS Department of Environmental Conservation that we supply them with a letter certifying that the local library is willing and able to serve as a public repository for all documents pertaining to the cleanup of this property. Please sign below if you are able to certify that your library would be willing and able to act as the temporary public repository for this Brownfield Cleanup Program project.

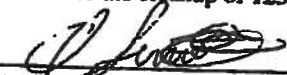
Thank You.

Sincerely,

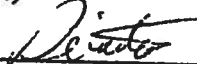
KNAUF SHAW LLP


LINDA R. SHAW

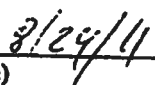
Yes, the Ballston Spa Library is willing and able to act as a public repository for documents related to the cleanup of 125 Bath Street under the NYS Brownfield Cleanup Program.



(name)

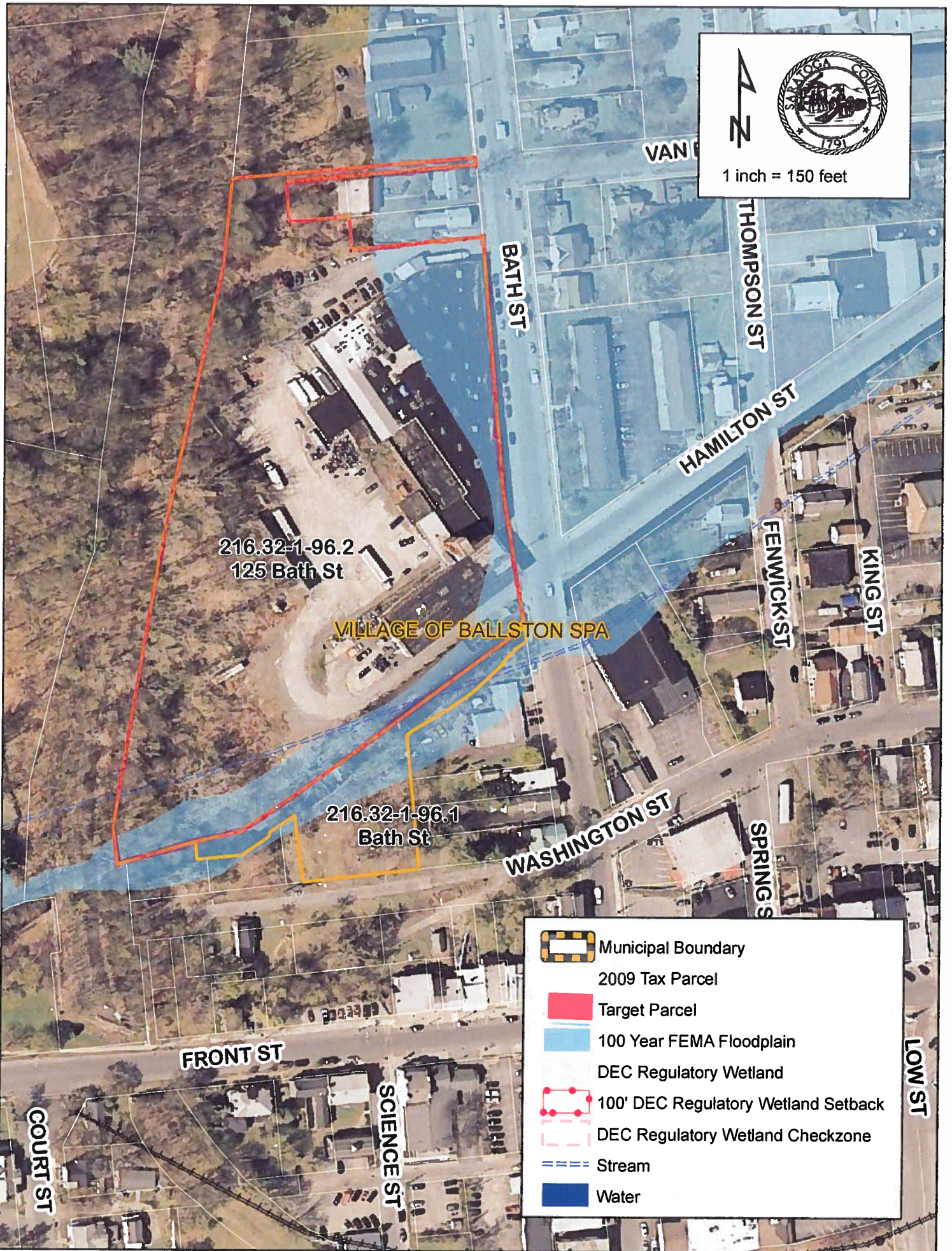


(title)



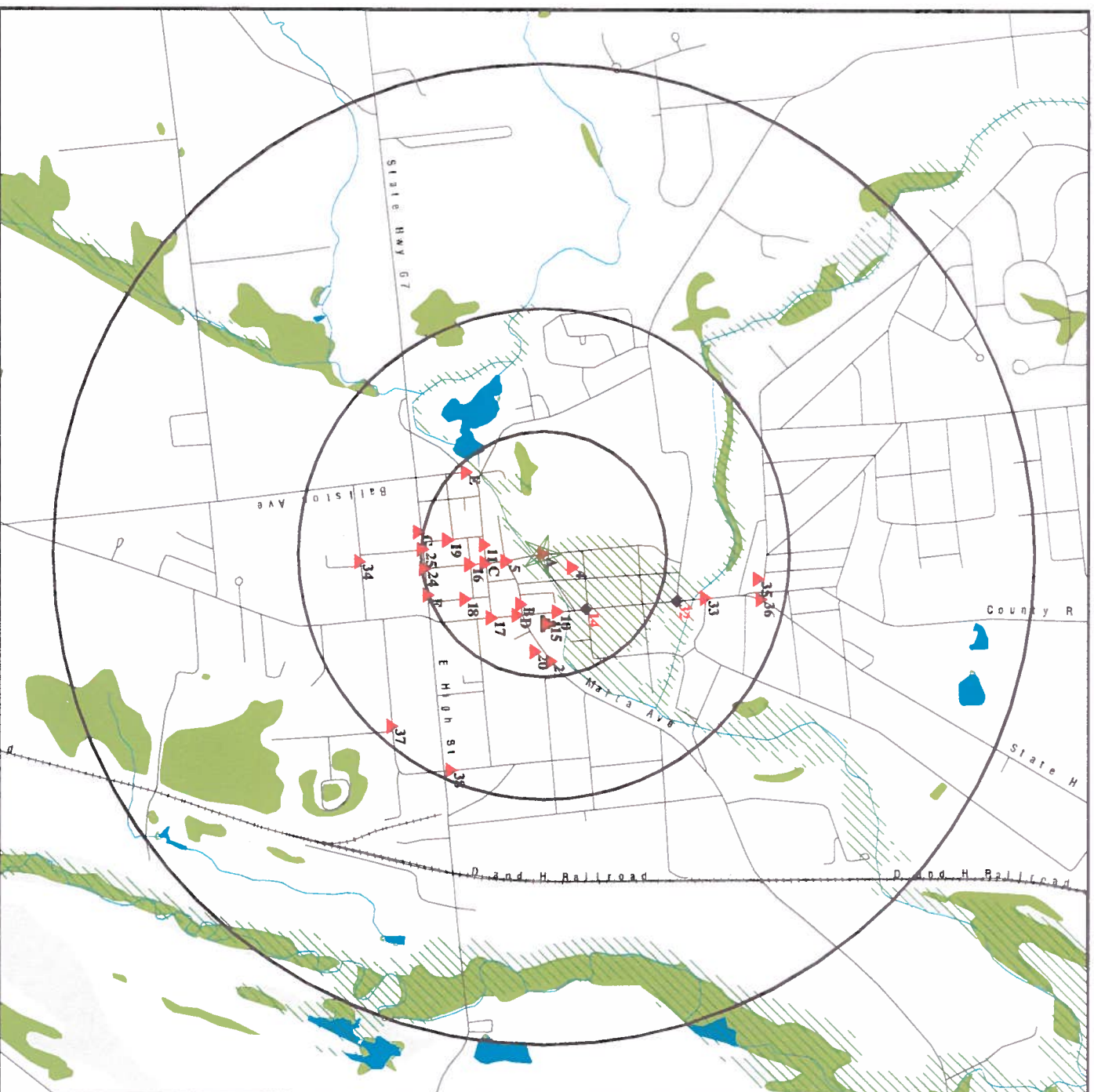
(date)

1 inch = 150 feet



	Municipal Boundary
	2009 Tax Parcel
	Target Parcel
	100 Year FEMA Floodplain
	DEC Regulatory Wetland
	100' DEC Regulatory Wetland Setback
	DEC Regulatory Wetland Checkzone
	Stream
	Water

OVERVIEW MAP - 2245282.2S



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- National Priority List Sites
- Dept. Defense Sites

- Indian Reservations BIA
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

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

SITE NAME: Angelica
ADDRESS: 125 Bath Street
 Ballston Spa NY 12020
LAT/LONG: 43.0042 / 73.8514

CLIENT: Galatech, Inc. OnDemand
CONTACT: Don Smith
INQUIRY #: 2245282.2S
DATE: June 16, 2008 10:47 am

DETAIL MAP - 2245282.2S



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Manufactured Gas Plants
- ⚡ Sensitive Receptors
- ⚡ National Priority List Sites
- ⚡ Dept. Defense Sites

- Indian Reservations B/A
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- National Wetland Inventory
- State Wetlands

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

SITE NAME: Angelica
ADDRESS: 125 Bath Street
 Ballston Spa NY 12020
LAT/LONG: 43.0042 / 73.8514

CLIENT: Galatech, Inc. OnDemand
CONTACT: Don Smith
INQUIRY #: 2245282.2S
DATE: June 16, 2008 10:47 am

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PREVIOUS OWNERS & OPERATORS

Year	Owner/Operator	Address/Number
1881-1887	Owner: John Wait; Operator (The John Wait Factory Samuel Haight	Not found
1887-1899	Owner: Samuel Haight; Operator: Haight and Company Tannery	RadioShack Corporation* (See Corporate Successor History Below) C/O CORPORATION SERVICE COMPANY 80 STATE STREET ALBANY, NEW YORK, 12207-2543 Chairman or Chief Executive Officer JULIAN C DAY 300 RADIOSHACK CIRCLE FORT WORTH, TEXAS, 76102
May 1899 – Sept. 1899	Samuel Haight willed the Site to Harry V. Haight & Theodore S Haight in May 1899. In Sept. 1899, Thomas Hall, H. Vassar Haight, Theodore Haight (composing the firm of Hall, Haight & Co. deeded the site to American Hide & Leather (of New Jersey); Tannery operations continued	*See Corporate Successor History Below
1925-1956	American Hide & Leather Company (of New Jersey) sell the Site to American Hide & Leather Company Inc. (of New York). American Hide & Leather Company Inc. changes its name to General American Industries Inc. in 1955; Tannery operations continued.	*See Corporate Successor History Below
1956-1962	1956- General American Industries Inc. (fka American Hide & Leather Company Inc.) sells the Site to Howes Leather Company Inc.; Tannery operations may have ceased in approximately 1960.	Howes Leather Not found on DOS website but on PA's website as: Howes Leather Company, Inc. 45 Cooper Road Curwensville, PA 16833 or C/O CORPORATION SERVICE COMPANY CT Corporation System 123 S. Broad St. Philadelphia, PA 19103 or CT Corporation System 1635 Market Street Philadelphia, PA 19103 Alternative name: Howes Leather Corporation 101 Meadows St. Curwensville, PA 16833

1962 - 1969	Howes Leather Company Inc. sells the Site to Thomas Diab. Thomas Diab apparently died in 1966. The Estate of Thomas Diab lease a building to “Stormaster” in 1966, and sold the Site to Gordon Creek Inc. in 1969	Thomas Diab – Deceased 1966
1969-1970	Gordon Creek, an antique dealer, apparently owned the Site for one year.	Gordon Creek Antiques and Collectibles Center, LLC 144 Milton Ave. Ballston Spa, NY, 12020
1970-1976	Gordon Creek Inc. sold the Site to Paul J. Rickett Sr. which was later purchased by Rickett’s, Inc., The operator was Northern Hospital Linen Service Inc., Mr. Ricketts company. Northern Hospital Linens operated the site from 1970 to 1976.	Rickett’s, Inc. 2017 Doubleday Avenue Ballston Spa, NY 12020
1977- Present	Ricketts, Inc. sold Parcel 2 (not Parcel 1 across the creek) and newly formed corporation Linen Systems for Hospitals Inc. to Angelica but Angelica kept Linen Systems name until 1983, when it changed its corporate name to Angelica Healthcare Services Group, Inc. and again in 1996 to Angelica Textile Services, Inc. Note that Ricketts, Inc. only sold a portion (Lot 96.2) of the property deeded to it by Paul J. Rickett Sr. to Linen Systems for Hospitals, Inc. Ricketts, Inc. retained Lot 96.1.	Requestor’s contact information is in the application

*History of Haight and Company Tannery

Haight and Company Tannery was sold to Boston’s American Hide and Leather Company in or about 1904.

American Hide and Leather Company purchased Tandy Leather Company in 1955. The company became General American Industries at this time.

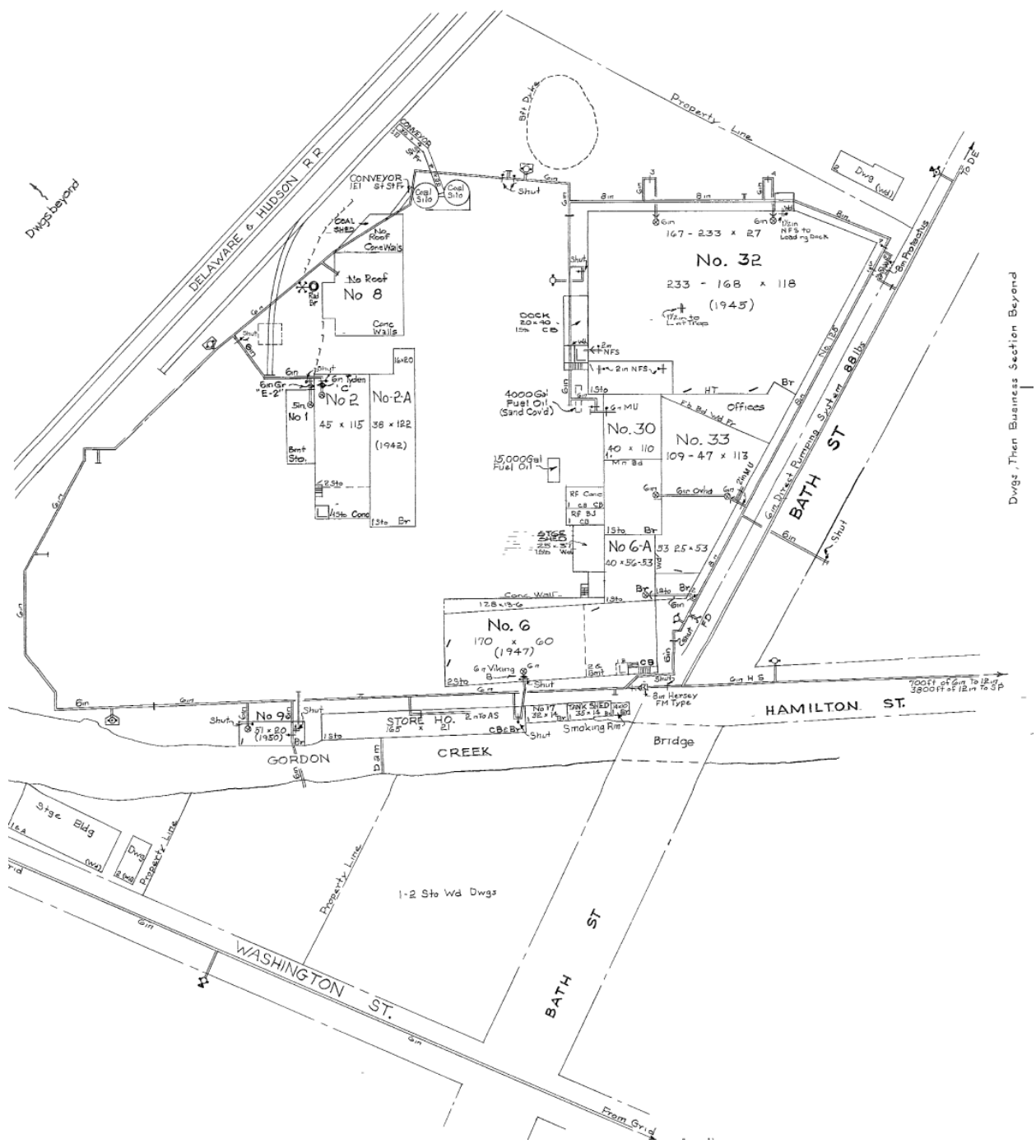
A board takeover resulted in relocation to Texas, and Haight and Company was renamed Tandy Corporation in 1959, which purchased RadioShack in 1963.

In 1975, the company split in three—Tandy Corporation, Tandycrafts, and Tandy Brands.

In the year 2000, the Tandy Corporation began trading stock under the name RadioShack.

Therefore, the Requestor contends RadioShack is a responsible party for the former Haight Tannery contamination.

15th Wd Dwgs Beyond



Dwgs. Then Business Section Beyond



ECI

Environmental Compliance, Inc.

“Experience Worldwide”

Craig Andrews, Operations Manager
Angelica Textile Services, Inc.
125 Bath Street
Ballston Spa, New York 12020

May 28, 2009

Re: Sludge Sample from Pit taken on March 14, 2009

Environmental Compliance, Inc. (ECI) is pleased to provide this letter report and analytical findings (see attached laboratory analysis/results) that determines the above referenced sludge sample is not a characteristic waste as identified in 40 CFR Part 261 Subpart C; nor is the waste a F-Listed waste as defined in 40 CFR Part 261 Subpart D.

The analytical data/results shown on the attached Paradigm Environmental Services, Inc. laboratory report issued May 26, 2009 indicates there is a very small amount of organics in the waste (see the semi-volatile and volatile analysis results). In addition, there is ~54 % solids in the sludge. The percent organics and percent solids can be used as landfill acceptance criteria by many landfills.

The landfill that may be the closest to Ballston Spa, New York that may accept roll-offs of wastewater sludge is as follows:

- City of Albany Landfill (Roll-Offs only)
525 Rapp Road N.
Albany, NY 12205
(518) 869-3651 Joe Giebelhaus, Operation Manager

A phone conversation with Mr. Giebelhaus indicates that a paint test is not required for the sludge as indicated on the Landfill Waste Profile sheet (see enclosed Landfill Waste Profile sheet), but the sludge must contain at least 20% solids. The test results indicate the sample has ~54% solids. Mr. Giebelhaus also requested pH, TCLP metals, semi-volatiles, and volatiles testing be performed on the sample (See enclosed test results). Mr. Giebelhaus requests that the test results and completed Landfill Waste Profile sheet be sent to him for review should you decide to use his landfill for disposal of the sludge.

The current Angelica waste hauler Allied Waste Services, Matt Leaper, Manager (518) 785-7030 may be able to transport the sludge to the above referenced landfill. A phone conversation with Mr. Leaper stated they have a 12 cubic yard roll-off that could be lined to transport the sludge to the landfill. Mr. Leaper requested that he be sent a copy of the laboratory test results and the completed Landfill Waste Profile should you decide to have his company transport the sludge.

ECI is pleased to provide this environmental service to Angelica Textile Services, Inc. If you have any questions or would like for ECI to make arrangements with the landfill owners/operators for the disposal of the sludge, please call me at (716) 655-6120.

Sincerely,

A handwritten signature in cursive script, appearing to read "Marc Schneckenberger".

Marc Schneckenberger, P.E.

Analytical Report Cover Page

Environmental Compliance, Inc.

For Lab Project # 09-1780

Issued May 26, 2009

This report contains a total of 7 pages

The reported results relate only to the samples as they have been received by the laboratory.

Any noncompliant QC parameters having impact on the data are flagged or documented on the final report.

All soil/sludge samples have been reported on a dry weight basis, unless qualified "reported as received". Other solids are reported as received.

Each page of this document is part of a multipage report. This document may not be reproduced except in its entirety, without the prior consent of Paradigm Environmental Services, Inc.

The Chain of Custody provides additional information, including compliance with sample condition requirements upon receipt. Sample condition requirements are defined under the 2003 NELAC Standard, sections 5.5.8.3.1 and 5.5.8.3.2.

NYSDOH ELAP does not certify for all parameters. Paradigm Environmental Services or the indicated subcontracted laboratory does hold certification for all analytes where certification is offered by ELAP unless otherwise specified.

Data qualifiers are used, when necessary, to provide additional information about the data. This information may be communicated as a flag or as text at the bottom of the report. Please refer to the following list of frequently used data flags and their meaning:

"ND" = analyzed for but not detected.

"E" = Result has been estimated, calibration limit exceeded.

"D" = Duplicate results outside QC limits. May indicate a non-homogenous matrix.

"M" = Matrix spike recoveries outside QC limits. Matrix bias indicated.

"B" = Method blank contained trace levels of analyte. Refer to included method blank report.

pH Analysis Report

Client: Environmental Compliance, Inc

Client Job Site:	Angelica Textile Svcs Pit at Ballston Spa	Lab Project Number:	09-1780
Client Job Number:	N/A	Date Sampled:	5/14/2009
		Time Sampled:	11:00 AM
Sample Type:	Sludge	Date Received:	5/18/2009
Location:	Laboratory	Time Received:	2:50 PM
		Date Analyzed:	5/18/2009
		Time Analyzed:	3:40 PM

Lab Sample Number	Field Number	Field Location	Result (pH)
5966	N/A	Pit	7.54

ELAP Number 10958

Method: EPA 9045C

Comments:

Signature:



Bruce Hoogesteger, Technical Director

Percent Solids Analysis Report

Client: **Environmental Compliance, Inc**

Client Job Site: Angelica Textile Svcs Lab Project Number: 09-1780
Pit at Ballston Spa
Client Job Number: N/A
Date Sampled: 5/14/2009
Date Received: 5/18/2009
Sample Type: Sludge Date Analyzed: 5/18/2009

Lab Sample Number	Field Number	Field Location	Result (% Solid)
5966	N/A	Pit	54.4

ELAP Number 10958

Method: SW17 2540B

Comments:

Signature: 
Bruce Hoogesteger: Technical Director

Client:	<u>Environmental Compliance, Inc.</u>	Lab Project No.:	09-1780
		Lab Sample No.:	5966
Client Job Site:	Angelica Textile Svcs. Pit at Ballston Spa	Sample Type:	TCLP Extract
Client Job No.:	N/A	Date Sampled:	05/14/2009
Field Location:	Pit	Date Received:	05/18/2009
Field ID No.:	N/A		

Laboratory Report for TCLP Metals Analysis

Parameter	Date Analyzed	Analytical Method	Result (mg/L)	Regulatory Limit (mg/L)
TCLP Metal Series				
Arsenic	05/22/2009	EPA 6010	<0.100	5.0
Barium	05/22/2009	EPA 6010	1.79	100.0
Cadmium	05/22/2009	EPA 6010	<0.025	1.0
Chromium	05/22/2009	EPA 6010	<0.050	5.0
Lead	05/22/2009	EPA 6010	<0.100	5.0
Mercury	05/21/2009	EPA 7470	<0.0020	0.2
Selenium	05/22/2009	EPA 6010	<0.100	1.0
Silver	05/22/2009	EPA 6010	<0.050	5.0

ELAP ID No.: 10958

Comments:

Approved By:  _____
 Bruce Hoogesteger, Technical Director

Semi-Volatile Analysis Report for Soils/Solids/Sludges

Client: **Environmental Compliance, Inc**

Client Job Site:	Angelica Textile Svcs Pit at Ballston Spa	Lab Project Number:	09-1780
Client Job Number:	N/A	Lab Sample Number:	5966
Field Location:	Pit	Date Sampled:	05/14/2009
Field ID Number:	N/A	Date Received:	05/18/2009
Sample Type:	Sludge	Date Analyzed:	05/20/2009

Base / Neutrals	Results in ug / Kg	Base / Neutrals	Results in ug / Kg
Acenaphthene	ND< 6,130	Dibenz (a,h) anthracene	ND< 6,130
Anthracene	ND< 6,130	Fluoranthene	ND< 6,130
Benzo (a) anthracene	ND< 6,130	Fluorene	ND< 6,130
Benzo (a) pyrene	ND< 6,130	Indeno (1,2,3-cd) pyrene	ND< 6,130
Benzo (b) fluoranthene	ND< 6,130	Naphthalene	ND< 6,130
Benzo (g,h,i) perylene	ND< 6,130	Phenanthrene	ND< 6,130
Benzo (k) fluoranthene	ND< 6,130	Pyrene	ND< 6,130
Chrysene	ND< 6,130	Acenaphthylene	ND< 6,130
Diethyl phthalate	ND< 6,130	1,2-Dichlorobenzene	ND< 6,130
Dimethyl phthalate	ND< 15,300	1,3-Dichlorobenzene	ND< 6,130
Butylbenzylphthalate	ND< 6,130	1,4-Dichlorobenzene	ND< 6,130
Di-n-butyl phthalate	ND< 6,130	1,2,4-Trichlorobenzene	ND< 6,130
Di-n-octylphthalate	34,400	Nitrobenzene	ND< 6,130
Bis (2-ethylhexyl) phthalate	104,000	2,4-Dinitrotoluene	ND< 6,130
2-Chloronaphthalene	ND< 6,130	2,6-Dinitrotoluene	ND< 6,130
Hexachlorobenzene	ND< 6,130	Bis (2-chloroethyl) ether	ND< 6,130
Hexachloroethane	ND< 6,130	Bis (2-chloroisopropyl) ether	ND< 6,130
Hexachlorocyclopentadiene	ND< 6,130	Bis (2-chloroethoxy) methan	ND< 6,130
Hexachlorobutadiene	ND< 6,130	4-Bromophenyl phenyl ether	ND< 6,130
N-Nitroso-di-n-propylamine	ND< 6,130	4-Chlorophenyl phenyl ether	ND< 6,130
N-Nitrosodiphenylamine	ND< 6,130	Benzidine	ND< 15,300
N-Nitrosodimethylamine	ND< 6,130	3,3'-Dichlorobenzidine	ND< 6,130
Isophorone	ND< 6,130	4-Chloroaniline	ND< 6,130
Benzyl alcohol	ND< 15,300	2-Nitroaniline	ND< 15,300
Dibenzofuran	ND< 6,130	3-Nitroaniline	ND< 15,300
2-Methylnaphthalene	ND< 6,130	4-Nitroaniline	ND< 15,300

Acids	Results in ug / Kg	Acids	Results in ug / Kg
Phenol	ND< 6,130	2-Methylphenol	ND< 6,130
2-Chlorophenol	ND< 6,130	3&4-Methylphenol	ND< 6,130
2,4-Dichlorophenol	ND< 6,130	2,4-Dimethylphenol	ND< 6,130
2,6-Dichlorophenol	ND< 6,130	2-Nitrophenol	ND< 6,130
2,4,5-Trichlorophenol	ND< 15,300	4-Nitrophenol	ND< 15,300
2,4,6-Trichlorophenol	ND< 6,130	2,4-Dinitrophenol	ND< 6,130
Pentachlorophenol	ND< 15,300	4,6-Dinitro-2-methylphenol	ND< 15,300
4-Chloro-3-methylphenol	ND< 6,130	Benzoic acid	ND< 15,300

ELAP Number 10958

Method: EPA 8270C

Data File: S45331.D

Comments: ND denotes Non Detect
ug / Kg = microgram per Kilogram

Signature: _____


Bruce Hoogesteger, Technical Director

Volatile Analysis Report for Soils/Solids/Sludges

 Client: Environmental Compliance, Inc

 Client Job Site: Angelica Textile Svcs
 Pit at Ballston Spa

 Lab Project Number: 09-1780
 Lab Sample Number: 5966

Client Job Number: N/A

Field Location: Pit

Date Sampled: 05/14/2009

Field ID Number: N/A

Date Received: 05/18/2009

Sample Type: Sludge

Date Analyzed: 05/20/2009

Halocarbons	Results in ug / Kg
Bromodichloromethane	ND< 11.8
Bromomethane	ND< 11.8
Bromoform	ND< 29.5
Carbon Tetrachloride	ND< 29.5
Chloroethane	ND< 11.8
Chloromethane	ND< 11.8
2-Chloroethyl vinyl Ether	ND< 58.9
Chloroform	ND< 11.8
Dibromochloromethane	ND< 11.8
1,1-Dichloroethane	ND< 11.8
1,2-Dichloroethane	ND< 11.8
1,1-Dichloroethene	ND< 11.8
cis-1,2-Dichloroethene	ND< 11.8
trans-1,2-Dichloroethene	ND< 11.8
1,2-Dichloropropane	ND< 11.8
cis-1,3-Dichloropropene	ND< 11.8
trans-1,3-Dichloropropene	ND< 11.8
Methylene chloride	ND< 29.5
1,1,2,2-Tetrachloroethane	ND< 11.8
Tetrachloroethene	ND< 11.8
1,1,1-Trichloroethane	ND< 11.8
1,1,2-Trichloroethane	ND< 11.8
Trichloroethene	ND< 11.8
Trichlorofluoromethane	ND< 11.8
Vinyl chloride	ND< 11.8

Aromatics	Results in ug / Kg
Benzene	ND< 11.8
Chlorobenzene	ND< 11.8
Ethylbenzene	ND< 11.8
Toluene	19.6
m,p-Xylene	ND< 11.8
o-Xylene	ND< 11.8
Styrene	ND< 29.5
1,2-Dichlorobenzene	ND< 29.5
1,3-Dichlorobenzene	ND< 29.5
1,4-Dichlorobenzene	ND< 11.8

Ketones	Results in ug / Kg
Acetone	1,350
2-Butanone	142
2-Hexanone	ND< 29.5
4-Methyl-2-pentanone	ND< 29.5

Miscellaneous	Results in ug / Kg
Carbon disulfide	224
Vinyl acetate	ND< 29.5

ELAP Number 10958

Method: EPA 8260B

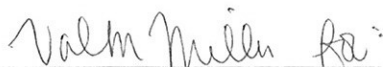
Data File: V65823.D

Comments: ND denotes Non Detect

ug / Kg = microgram per Kilogram

Surrogate outliers indicate probable matrix interference

Signature:



Bruce Hoogesteger: Technical Director

PARADIGM ENVIRONMENTAL SERVICES, INC.

179 Lake Avenue
Rochester, NY 14608
(585) 647-2530 • (800) 724-1997
FAX: (585) 647-3311

Client: Environmental Compliance, Inc.

REPORT TO: EAH 5/18

CHAIN OF CUSTODY

INVOICE TO:

COMPANY: Angelica Textile Service	COMPANY: Same	LAB PROJECT #:	09-1780	CLIENT PROJECT #:	
ADDRESS: 125 Beth St.	ADDRESS:	TURNAROUND TIME: (WORKING DAYS)			
CITY: Ballston Spa NY	CITY: Ballston Spa NY	STATE:			
ZIP: 12020	ZIP:				
PHONE: 518-885-8504	PHONE:				
FAX:	FAX:				
ATTN: Craig Andrews	ATTN:	QUOTE #:	1	2	3
COMMENTS: Attn: Marc Schneiderberger	COMMENTS:	STD			
		OTHER			

DATE	TIME	EAH 5/18	COMPOSITE	G R A B	SAMPLE LOCATION/FIELD ID	M A T T R I X	C O N T A I N E R S	%solids	TCLP VOA	TCLP SVOCs	TCLP RCRA Metals	PH	8260 TCL	8270 ABN	REMARKS	PARADIGM LAB SAMPLE NUMBER
5/14/09	11 AM				PIT	Sludge 1		X	X	X	X	X	X	X	Analyses per M. Schneiderberger 5/18 email to J. Balora EAH 5/18	5966

LAB USE ONLY BELOW THIS LINE

Sample Condition: Per NELAC/ELAP 210/241/242/243/244

Receipt Parameter	NELAC Compliance
Container Type:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Preservation:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Holding Time:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Temperature:	<input checked="" type="checkbox"/> Y <input type="checkbox"/> N
Comments:	

Received By	Graham Bradley	Date/Time	5/14/09 11 AM
Relinquished By	Graham Bradley sealed and sent FedEx	Date/Time	
Received By	Eisabeth A. Honck	Date/Time	5/18/09 1450
Received @ Lab By		Date/Time	
Total Cost:		P.I.F.	

Online Map of Ballston Spa - street map and satellite map

Ballston Spa, Saratoga County, New York on Googlemap

BOOKMARK

