HODGSON RUSS
ANDREWS
WOODS &
GOODYEAR LLP
ATTORNEYS AT LAW

Frank J. Armento, AICP
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Albany
Boca Raton
Buffalo
New York
Toronto
Palm Beach Gardens

June 28, 2000

Via Federal Express

New York State Department of Environmental Conservation
Division of Environmental Remediation
50 Wolf Road, Room 260A
Albany, New York 12233-7010
Attention: Sue Bolesky, Brownfield Program

Dear Ms. Bolesky:

Re: City of Lockport - Richmond Avenue Project
Bond Act Application - Environmental Restoration Project

On behalf of the City of Lockport and the Greater Lockport Development Corporation, I am pleased to submit the enclosed Clean Water/Clean Air Bond Act application. The enclosed application requests assistance in undertaking environmental restoration of the "Richmond Avenue site" located along the Erie Canal in the City of Lockport.

Please note that the enclosed application does not include proof of ownership for 81 Richmond Avenue which was recently acquired by the City of Lockport in an *in rem* foreclosure action. I will forward proof of ownership for this parcel to you shortly under separate cover.

We believe that with the State's assistance, the environmental restoration of this site will be very beneficial to the community and will stimulate future redevelopment.

If you have any questions or need additional information concerning the enclosed application, please contact me directly at (716) 848-1466. Thank you in advance for your assistance with this project.

Sincerely,

Frank J. Armento, AICP
Sr. Environmental Analyst

Enclosures

cc: Daniel King, NYSDEC Region 9 √

APPLICATION **ATTACHMENT 1**

NYSDEC-1996 CLEAN WATER / CLEAN AIR BOND ACT
ENVIRONMENTAL RESTORATION PROJECTS-TITLE 5

Part 1

NAME OF APPLICANT (Municipality): City of Lockport

TYPE OF ENVIRONMENTAL RESTORATION PROJECT: (Check one) Investigation X Remediation ____

PROJECT NAME: Richmond Avenue Project

PROJECT LOCATION:STREET ADDRESS: 49, 51,53, 57, 69, 79 and 81 Richmond Avenue and 3 & 7 Niagara Street

CITY/TOWN: Lockport ZIP CODE: 14094 COUNTY: Niagara

PROPERTY SIZE (acres): 2± LATITUDE: 43° 10'N LONGITUDE: 78° 41' W

APPLICANT CURRENTLY OWNS PROPERTY: YES * NO * (If yes, include proof of ownership with application)

PROPERTY IS LISTED ON NYS REGISTRY OF INACTIVE HAZARDOUS WASTE SITES: YES ____ NO X
(If yes, fill in current registry classification)
CLASSIFICATION ____

TYPE OF KNOWN OR SUSPECTED CONTAMINATION: Petroleum X Other Hazardous Substances X

PROJECT DESCRIPTION: Please attach a description of the project which includes the following components:
(Refer to Environmental Restoration Projects Procedures Handbook for detailed instructions)

- Purpose and Scope of the Project;
- Environmental History of the Property;
- Proposed Future Use of the Property;
- Estimated Project Cost;
- Other Actual or Potential Funding Sources for the Project;
- How the Project Would Satisfy the Criteria of ECL 56-0505; and
- Site Maps (USGS quad map and a property tax map)

SCHEDULE: Field work will commence within 12 months of Department approval of the application.

* Applicant owns 57 and 81 Richmond Avenue only.

Part 2 (To be completed for Remediation applications only)

1. The DEC has issued a Record of Decision for the property? ☐Yes ☐No
2. Groundwater or a surface water body has been contaminated above standards. ☐Yes ☐No
   If yes, answer a, b or c below:
   - ☐ a. The influent to a public or private water supply has been contaminated or threatened.
   - ☐ b. A class A or AA surface water body, primary or principal aquifer has been contaminated without affecting an existing water supply.
   - ☐ c. Groundwater has been contaminated above standards or a surface water has been impacted.
3. A health advisory has been issued by a New York state or local health agency due to releases from the site. ☐Yes ☐No
4. Endangered, threatened or rare species, State protected streams or State regulated wetlands have been impacted by releases from the site. ☐Yes ☐No
5. Site contaminants are present in soils/waste at levels that exceed DEC Division of Environmental Remediation guidance values (DHWR TAGM 4046 or STARS Memo #1). ☐Yes ☐No
6. Property is located in a designated economic development zone or zone equivalent area. ☐Yes ☐No
7. All or part of the Property has been idle or abandoned for more than one year. ☐Yes ☐No

   If yes, indicate the percent of the total property that applies ____%

8. Municipality has a signed agreement with a private party to reuse the property once it is restored. ☐Yes ☐No
   If yes, attach a copy of the agreement.

[OVER]

APPLICATION

NYSDEC-1996 CLEAN WATER / CLEAN AIR BOND ACT
ENVIRONMENTAL RESTORATION PROJECTS-TITLE 5

PROJECT DESCRIPTION

Purpose and Scope of the Project

The property which is the subject of this Application is a triangular-shaped site consisting of nine separate tax parcels totaling 2± acres in the City of Lockport. It is bounded by Richmond Avenue, Church Street and Ontario Street and is immediately adjacent to the Erie Barge Canal (the "Property") (see *Attachment 1* for tax map and USGS quad map of the Property). Two of the nine tax parcels are municipally owned; 57 Richmond Avenue is owned by the Greater Lockport Development Corporation, a local public benefit corporation, and 81 Richmond Avenue is owned by the City of Lockport ("Municipality") (see *Attachment 2* for deeds).

The Municipality proposes to conduct a thorough environmental investigation of the Property, and to remediate the Property to prepare it for future redevelopment geared toward economic and tourism activity (the "Project"). The Municipality is authorized to undertake the Project and subsequent redevelopment of the Property. A certified copy of the Municipality's authorization to undertake the Project is included as *Attachment 3*.

The scope of the Project may include, but is not limited to: soil borings; characterization of any contaminated soils, media, sludges or liquids, including any petroleum waste, hazardous waste or hazardous substances; characterization, removal and disposal of any petroleum waste, hazardous waste or hazardous substances contained in any underground or aboveground storage tanks or any other containment vessels; cleaning, removal and disposal of any underground or aboveground storage tanks or any other containment vessels; removal and disposal of any solid waste (debris, used tires, old cabinets, etc.); sampling of any asbestos present in on-site buildings; and demolition of buildings and structures present on-site.

Environmental History of the Property

The Property is comprised of nine parcels, many of which contain either vacant or underutilized buildings. Previous uses and types of operations conducted at the Property included: automotive repair, gasoline service station, automotive sales, dry cleaner, machine shop, junkyard, leather manufacturing, and miscellaneous manufacturing operations. It is probable that petroleum products including gasoline, motor oils and other oils and lubricants were used by past owners or operators of the Property. Antifreeze, dry cleaning fluids, miscellaneous chemicals, including household cleaners, solvents, floor adhesives and paints, lead

car batteries and roofing compounds may have also been used by past owners or operators of the Property. Through the use of these products, by-products or wastes may have been generated, some of which may have been hazardous. Environmental permits or approvals obtained by previous operators, and any orders, decrees or legal documents in violation of federal, state or local laws, are unknown.

In 1999, the Municipality engaged InteGreyted Consultants (formerly Greystone Environmental) to conduct a limited subsurface investigation of the Property. The purpose of that limited investigation was to gain a better understanding of the environmental conditions of the Property and to define the scope of any future investigation/remediation that may be required to prepare the Property for future redevelopment. A copy of the draft summary report of that investigation is attached as *Attachment 4.* An appraisal of the Property is included as *Attachment 5.*

Proposed Future Use of the Property

The proposed future use of the Property may include some or all of the following: a restaurant, senior center, artisan shops, housing, a hotel, offices, a museum and bell tower with access to the Erie Canal locks, and public gathering space which can be used for a variety of civic activities. Some adaptive reuse of on-site buildings is also contemplated.

Estimated Project Cost

It is estimated that the total Project cost will be $1,200,000. This work will include investigatory/remedial work (borings, waste characterization, excavation, disposal, etc.) at a cost of approximately $400,000; asbestos work at a cost of approximately $600,000; and demolition of site buildings and structures at a cost of approximately $200,000.

Other Actual or Potential Funding Sources for the Project

Other actual funding sources may include in-kind labor and machinery provided by the Municipality. The Municipality is not aware of any other funding sources for the Project.

How the Proposed Project Would Satisfy the Criteria of ECL 56-0505

a. Benefit to the environment realized by the expeditious remediation of the Property

The proposed Project will benefit the environment by expeditiously remediating any potentially hazardous conditions at the Property allowing its reuse.

b. Economic benefit to the state by the expeditious remediation of the Property

The expeditious remediation of the Property will act as a precursor to revitalization of a city block located adjacent to the historic Erie Barge Canal. The Project will stimulate future redevelopment which will generate additional tax revenue from the Property and potentially from additional neighboring redevelopment. The Project will also enhance the City of Lockport's canal area which will boost future canal revitalization and tourism efforts and create both temporary and permanent employment.

c. Potential opportunity of the Property to be used for public recreational opportunities

There is a tremendous opportunity for the Property to be used for recreational purposes. The Property is located along the historic Erie Barge Canal, directly across from Locks 34 and 35. Preliminary plans for the Property include: improved access to Locks 34 and 35; creation of a public gathering space, which may accommodate several uses including a farmer's market, community picnics, ethnic festivals or art shows; establishment of a museum catering to local and regional visitors; and construction of a bell tower which will provide a viewing area to allow visitors to view the canal and the entire City.

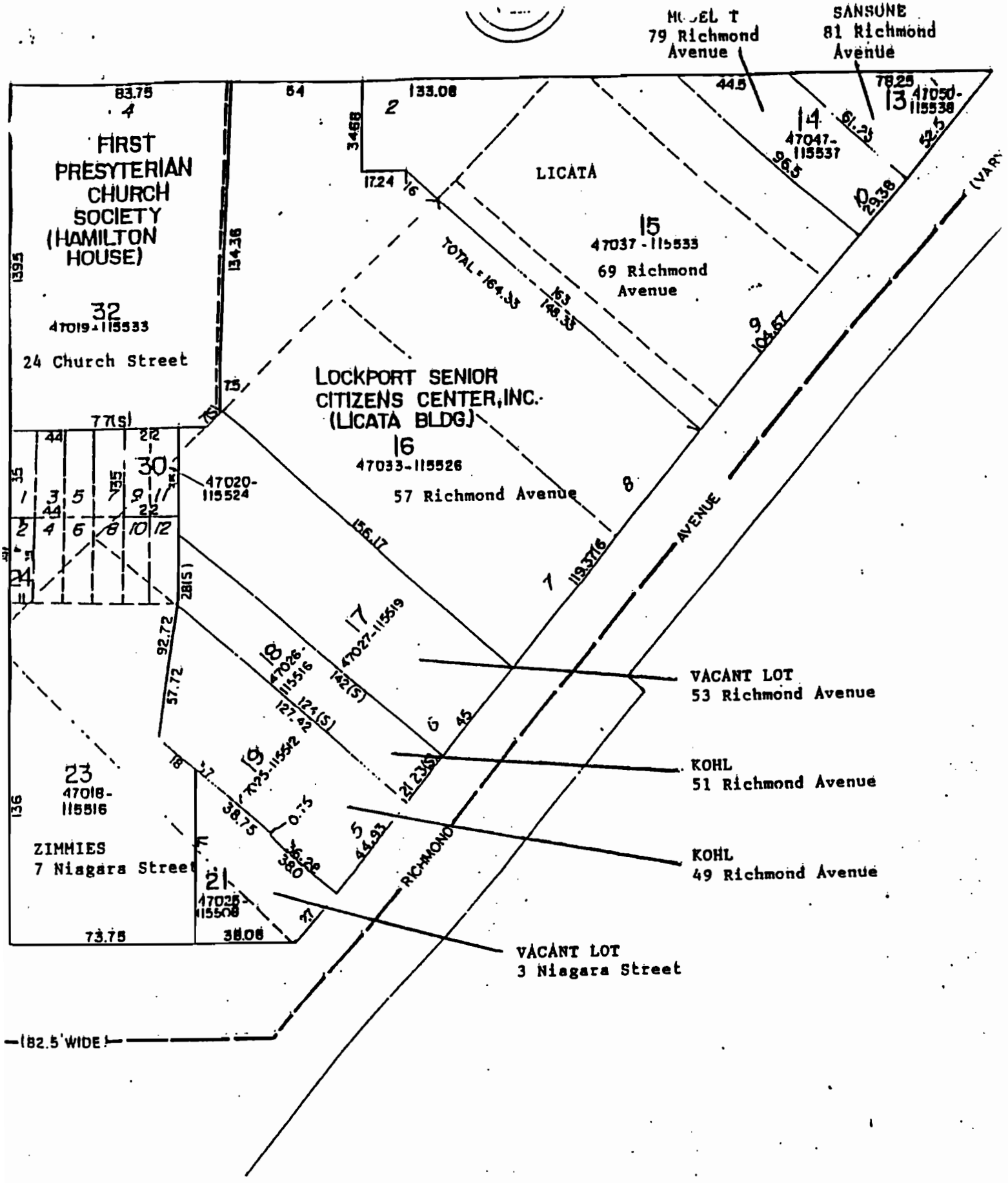
d. Opportunity for other funding sources to be available for remediation of the Property

The Municipality has limited resources available for remediation of the Property. However, in-kind labor and machinery provided by the City of Lockport may be used to assist with the Project. It is uncertain at this time what the dollar amount is of this in-kind labor and machinery. Beyond in-kind sources, no other funding sources exist for the Project.

Site Maps (USGS quad map and property tax map)

A USGS quad map and a property tax map for the Project site is included as *Attachment 1* to this application.

TAX MAP & USGS QUAD MAP

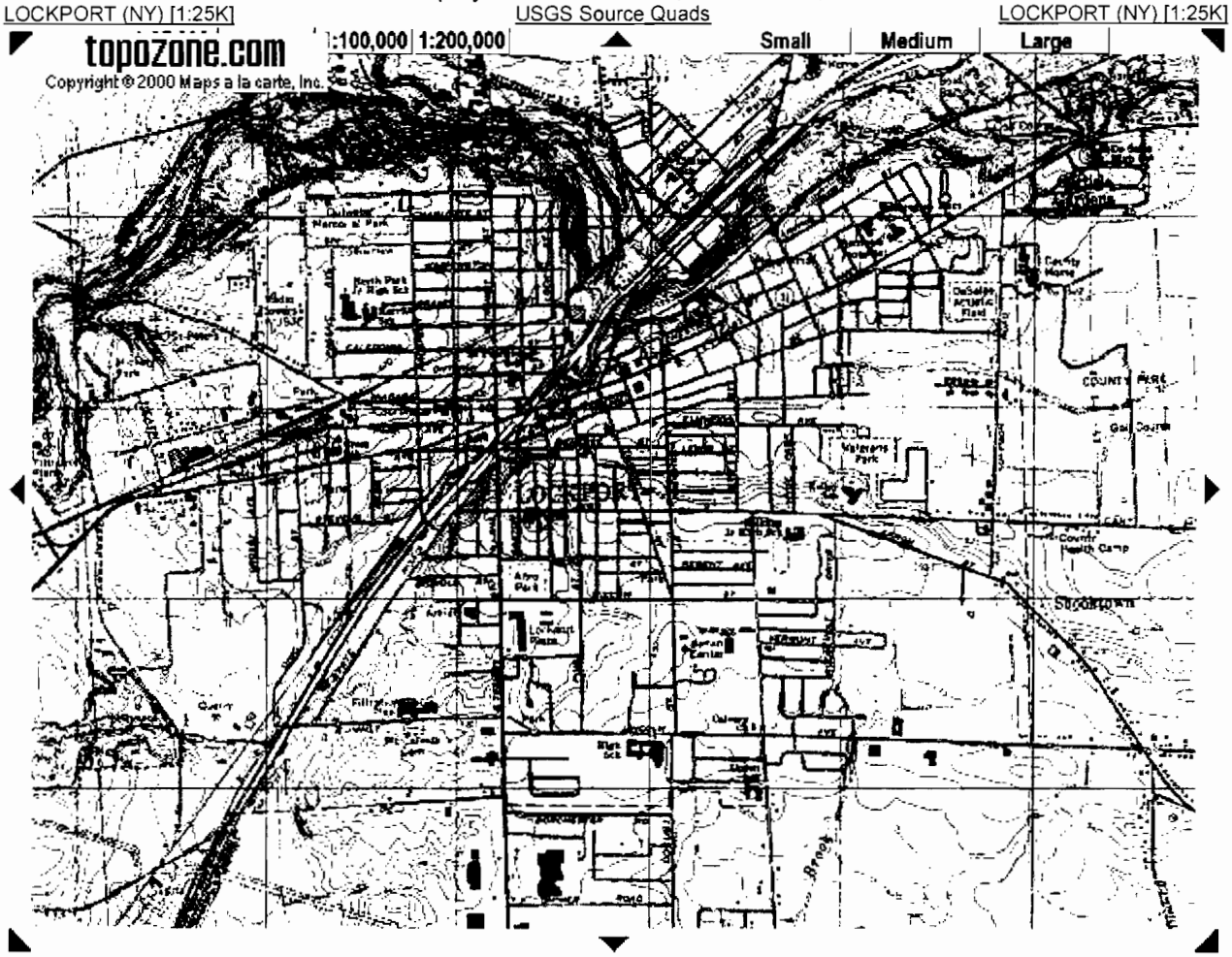

HOTEL T
79 Richmond Avenue
SANSONE
81 Richmond Avenue
FIRST PRESYTERIAN CHURCH SOCIETY (HAMILTON HOUSE)
32
47019-115533
24 Church Street
LICATA
15
47037-115533
69 Richmond Avenue
LOCKPORT SENIOR CITIZENS CENTER, INC. (LICATA BLDG)
16
47033-115526
57 Richmond Avenue
14
47047-115537
13
47050-115538
30
47020-115524
17
47027-115519
18
47026-115516
19
47025-115512
23
47018-115516
ZIMMIES
7 Niagara Street
21
47025-115508
VACANT LOT
53 Richmond Avenue
KOHL
51 Richmond Avenue
KOHL
49 Richmond Avenue
VACANT LOT
3 Niagara Street
RICHMOND AVENUE
182.5' WIDE

Map target is 43.1706°N, 78.6906°W - UTM Zone 17, N 4782133, E 687722

Exact center of display is UTM Zone 17, N 4781550, E 687832

LOCKPORT (NY) [1:25K] USGS Source Quads LOCKPORT (NY) [1:25K]

1:100,000 | 1:200,000 Small | Medium | Large



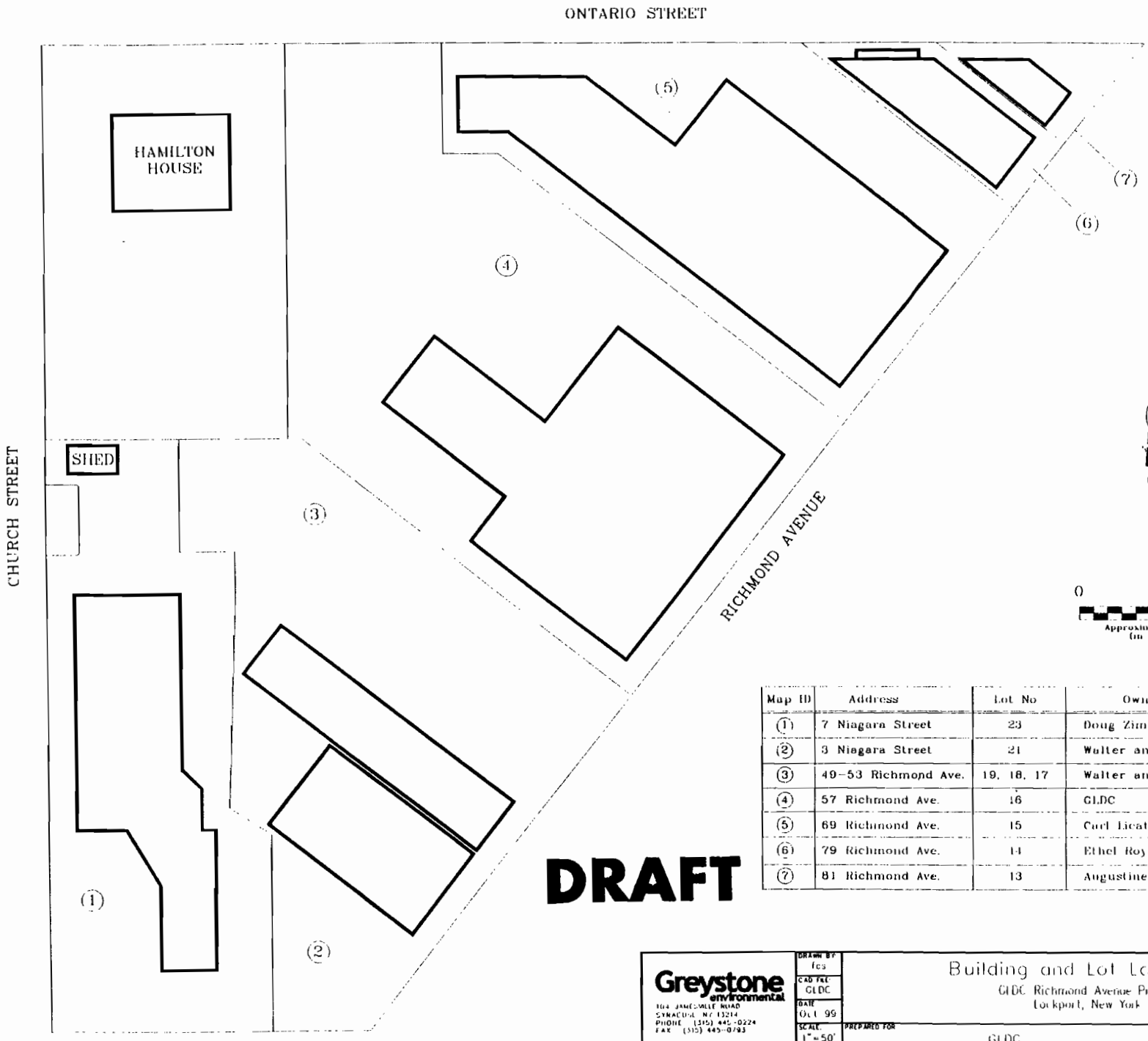
LOCKPORT (NY) [1:25K] USGS Source Quads LOCKPORT (NY) [1:25K]

meters 0 1000 2000 3000 4000

miles 0 1.0 2.0

Click anywhere on the map to recenter the map on that point.

Take a look at our **Map Legend** for help with topographic map symbols



Map ID	Address	Lot No	Owner
(1)	7 Niagara Street	23	Doug Zimmerman
(2)	3 Niagara Street	21	Walter and Anna Kohl
(3)	49-53 Richmond Ave.	19, 18, 17	Walter and Anna Kohl
(4)	57 Richmond Ave.	16	GLDC
(5)	69 Richmond Ave.	15	Carl Licata
(6)	79 Richmond Ave.	14	Ethel Royal
(7)	81 Richmond Ave.	13	Augustine Sansone

DRAFT

Greystone environmental
104 JAMESVILLE ROAD
SYRACUSE, NY 13214
PHONE (315) 445-0224
FAX (315) 445-0793

DRAWN BY: fcs
CAD FILE: GLDC
DATE: Oct 99
SCALE: 1"=50'

Building and Lot Locations
GLDC Richmond Avenue Project
Lockport, New York

PREPARED FOR: GLDC

FIGURE 1

MUNICIPAL AUTHORIZATION

CITY OF LOCKPORT, NEW YORK

LOCKPORT MUNICIPAL BUILDING
ONE LOCKS PLAZA
LOCKPORT, N. Y. 14094

OFFICE OF CITY CLERK

Richard P. Mullaney, City Clerk/Budget Director
Patricia A. Sheehan, Dep. City Clerk/Registrar of Vital Statistics

(716) 439-667
FAX (716) 439-666

TO: **Whom it may concern**

FROM: **Richard P. Mullaney, City Clerk**

DATE: **June 8, 2000**

Please be advised, that at a regular meeting of the Common Council of the City of Lockport, NY held on June 7, 2000, the following resolution was adopted:

060700.16
By Alderman Elliott:

WHEREAS, the City of Lockport, herein called the "Municipality," after thorough consideration of the various aspects of the problem and study of available data relative to the Richmond Avenue Project has hereby determined that certain work, as described in its application and attachments, herein called the "Project," is desirable, is in the public interest, and is required in order to implement the Project; and

WHEREAS, Article 56 of the Environmental Conservation Law authorizes State assistance to municipalities for environmental restoration projects by means of a contract and the Municipality deems it to be in the public interest and benefit under this law to enter into a contract therewith;

NOW, THEREFORE, BE IT RESOLVED BY Common Council of the City of Lockport:

1. That the Mayor is the representative authorized to act in behalf of the Municipality's in all matters related to State assistance under ECL Article 56, Title 5. The representative is also authorized to make application, execute the State Assistance Contract, submit Project documentation, and otherwise act for the Municipality's governing body in all matters related to the Richmond Avenue Project and to State assistance;

2. That the Municipality agrees that it will fund its portion of the cost of the Project, through the use funds provided by HUD and/or other eligible Project Funding Sources for the Richmond Avenue Project, and that funds will be available to initiate the Project's field work within twelve (12) months of written approval of its application by the Department of Environmental Conservation;

3. That one (1) certified copy of this Authorization be prepared and sent to the Albany office of the New York State Department of Environmental Conservation together with the Application for State Assistance; and

4. That this Authorization shall take effect immediately.

Seconded by Alderman Pitrello and adopted. Ayes 6.

JUN 8 2000

cc: W. Evert

The Greater Lockport Development Corp.
Richmond Avenue Project
Lockport, New York

ESTIMATED ABATEMENT COSTS

LOCATION	ACM	QUANTITY	ABATEMENT COSTS
Zimmies Service Inc.	Transite Flooring	704 square feet	$4,200.00
	Assumed Roofing	6,020 square feet	$21,000.00
Brown Storage Bldg.	Assumed Roofing	2,025 square feet	$7,100.00
Walter Kohl Property	9"x 9" Floor Tile	2,128 square feet	$12,800.00
	Plaster	42,000 square feet	$360,000.00
	Pipe Insulation	150 linear feet	$2,500.00
	Boiler Breaching	200 square feet	$5,000.00
	Assumed Roofing	7,000 square feet	$24,500.00
Senior Citizens Center	9"x 9" Floor Tile	4,800 square feet	$28,800.00
	Linoleum	225 square feet	$1,500.00
	Pipe Insulation	281 linear feet	$5,800.00
	Boiler Breaching	300 square feet	$7,000.00
	Assumed Roofing	8,700 square feet	$43,500.00
Licatta Brothers Vending	Assumed Roofing	11,900 square feet	$42,000.00
Model T Bar	12"x 12" Floor Tile	3,375 square feet	$20,250.00
	Assumed Roofing	5,800 square feet	$20,300.00
	Pipe Insulation	5 linear feet	$125.00
Sansone Bldg.	Pipe Insulation	150 linear feet	$3750.00
(Radiator Shop)	Assumed Roofing	1,600 square feet	$5,600.00

TOTAL ESTIMATED COST FOR CONFIRMED AND ASSUMED ACM IS: $615,725.00

***This is only a preliminary survey to identify the confirmed ACM and to assume suspect ACM that could not be tested at time of inspection. A pre-demolition survey should be performed prior to any demolition, renovation or abatement. An approximate costs for a pre-demolition survey is $8,000.00.**

PROPERTY APPRAISAL

Girasole
APPRAISAL COMPANY, INC.

March 15, 2000

City of Lockport
Department of Community Development
Lockport Municipal Building
One Locks Plaza
Lockport, New York 14094

Attn: William J. Evert
Director

Re: Richmond Avenue Project
Greater Lockport Development Corporation
GAC File #9-1517

Dear Mr. Evert:

The following are the final values for the properties considering the contamination problems.

GAC File #	Address	Owner	"As If Clean" Value	Impaired Value
9-1517.1	81 Richmond Avenue	Sansone	$30,000	$1
9-1517.2	79 Richmond Avenue	Royal Enterprises	$50,000	$44,700*
9-1517.3	69 Richmond Avenue	Licata Vending	$100,000	$28,500
9-1517.4	53 Richmond Avenue	Kohl	$35,000	$1
9-1517.5	51 Richmond Avenue	Kohl	$50,000	$1
9-1517.6	49 Richmond Avenue	Kohl	$50,000	$1
9-1517.7	3 Niagara Street	Kohl	$12,000	$12,000
9-1517.8	7 Niagara Street	Zimmies Service	$200,000	$52,000

The values for each of the properties have been calculated in the following manner:

- Richmond Avenue, Sansone Property: A negative value is indicated when the clean up costs of $34,000 are subtracted from the "clean" value of $30,000. Therefore, a nominal value of $1 is adopted to effect the transfer of title. The cost of removing the asbestos is not considered as this cost would not be incurred unless the building was demolished.

345 Third Street · Suite 460 · Niagara Falls, N.Y. 14303-1117 · Phone: 716/282-5068 · Fax: 716/282-5048
Email: apgirasole@aol.com · Website: www.girasoleappraisal.com

- 79 Richmond Avenue, Royal Enterprises Property: When the estimated clean up cost of $5,300 is subtracted from the "clean" value of $50,000, an "impaired" value of $44,700 is indicated. The cost of removing the asbestos is not considered as this cost would not be incurred unless the building was demolished. *The interior of the building was not inspected by the environmental company, the clean-up costs could be higher.
- 69 Richmond Avenue, Licata Vending Property: When the estimated clean up cost of $71,500 is subtracted from the "clean" value of $100,000, an "impaired" value of $28,500 is indicated. *The interior of the building was not inspected by the environmental company, the clean-up costs could be higher. The cost of removing the asbestos is not considered as this cost would not be incurred unless the building was demolished.
- 53 Richmond Avenue, Kohl Property: A negative value is indicated when the clean up costs of $36,000 are subtracted from the "clean" value of $35,000. Therefore, a nominal value of $1 is adopted to effect the transfer of title.
- 51 Richmond Avenue, Kohl Property: A negative value is indicated when the clean up costs are subtracted from the "clean" value. This building and the building next door were combined in the environmental report and the total of the clean-up costs was $404,800. Therefore, a nominal value of $1 is adopted to effect the transfer of title. In this case, some of the asbestos clean-up costs would be incurred to be able to use the property.
- 49 Richmond Avenue, Kohl Property: A negative value is indicated when the clean up costs are subtracted from the "clean" value. This building and the building next door were combined in the environmental report and the total of the clean-up costs was $404,800. Therefore, a nominal value of $1 is adopted to effect the transfer of title. In this case, some of the asbestos clean-up costs would be incurred to be able to use the property.
- 3 Niagara Street, Kohl Property: According to the environmental consultant the are "No significant environmental considerations".
- 7 Niagara Street, Zimmies Property: When the estimated clean up cost of $148,000 is subtracted from the "clean" value of $200,000, an "impaired" value of $52,000 is indicated. The cost of removing the asbestos is not considered as this cost would not be incurred unless the building was demolished.

If you have any questions or comments you can contact me directly at 282-5098 or APGirasole@aol.com.

Sincerely,

GIRASOLE APPRAISAL COMPANY, INC.

Anthony P. Girasole
President

APG/kjs

104 Jamesville Road, Syracuse, New York 13214
Phone: (315) 445-0224 Fax: (315) 445-0793

25 February 2000

Mr. William J. Evert, Director
Greater Lockport Development Corporation
One Locks Plaza
Lockport, New York 14094

DRAFT - CONFIDENTIAL

Re: Subsurface Investigations
GLDC Richmond Avenue Project
Lockport, New York
InteGreyted Project No. 9904105P

Dear Mr. Evert:

The following is a summary of subsurface investigation work completed by Greystone Environmental, LLC (Greystone), now named InteGreyted Consultants, LLC, during the week of 25-29 October 1999 at the Richmond Avenue Project in Lockport, New York. A Site Location Map is presented on Figure 1 (Attachment 1). Work performed by Greystone was completed in accordance with Greystone's 13 September 1999 proposal number 9904105.

Site Reconnaissance

Prior to Greystone's arrival at the site, data review for the eight distinct parcels that make up the proposed Richmond Avenue Project was performed to gather an understanding of prior site use. Based on our review of data related to existing or previous environmental topics and issues, Greystone's onsite geologist and project director performed a site reconnaissance at each of the eight locations on Monday, 25 October 1999. Based on available information and the site reconnaissance, test pit and soil boring locations were selected and features of concern (fill pipes, waste materials, floor drains, etc.) were documented.

Soil Borings and Test Pits

A total of 12 test borings and 24 test pits were completed during the subsurface investigation. The locations of the soil borings and test pits are presented on the attached Figures 2 and 3 (Attachment 1). Test pits → where are they?

All geoprobe soil borings were performed on Thursday, 28 October 1999 by Strategic Environmental Management of Syracuse, New York under the direction of Greystone's onsite geologist. Soils were sampled continuously at each boring location by collecting soil in dedicated polyethylene liners from existing grade until sampler refusal was encountered. Upon retrieval, Greystone's onsite geologist logged the soils and screened the soil in the sample liners

at approximately two-foot intervals with a photoionization detector (PID) for the presence of volatile organic compounds.

Based on the initial PID screenings, portions of the sample columns were transferred to clean plastic ziplock bags and allowed to equilibrate. Headspace readings were taken with the PID of each bagged sample after the equilibration process. Based on results of the headspace readings, some samples were retained for laboratory analyses. Test Boring Logs, including PID readings, are provided as Test Boring Logs for Boring No 1 through Boring No. 12 (Attachment 2).

The City of Lockport Highway Department, using their Ford 555C Extendahoe, performed all test pit excavations on Tuesday and Wednesday, 26 and 27 October 1999. Greystone's onsite geologist continually logged the excavations and occasionally obtained grab samples that were transferred to clean plastic ziplock bags, and allowed to equilibrate. Headspace readings were taken with the PID of each bagged sample after the equilibration process. Based on the results of the headspace readings and known historical site usage at each location, some samples were retained for laboratory analyses. A Summary of the Test Pit Logs, including the PID readings, are provided as Test Pit Logs for Test Pits Nos. 1-6, 6A, 7-9, 9A and 10-22 (Attachment 3).

Sample Analyses

Based on field observations and PID readings, a total of 13 soil samples were submitted to Life Science Laboratory, Inc. (LSL) in East Syracuse, New York. Samples were analyzed for some or all of the following: volatile organic compounds (VOCs), semi-volatile organic compounds (SVOCs), metals, cyanide, and PCBs. Analytical results are summarized on Tables 1 through 3 (Attachment 4). Laboratory reports are provided as Attachment 5.

Asbestos-containing Materials

As part of the property assessment, Greystone retained Alternative Environmental Services, Inc. (AES) to perform an asbestos assessment of the buildings located on the subject properties. The survey was intended to confirm the presence of asbestos-containing materials (ACM). Due to access and time constraints, roofing material was not inspected and sampled as part of this survey. Also, representative samples of plaster in the Kohl building were found to contain asbestos; however, all of the plaster on all floors was not sampled due to access restrictions the extent of plaster in the building.

The results of the preliminary asbestos assessment, along with analytical data and cost estimates, are presented in Attachment 6. Cost estimates assume that the defined area of roofing material is ACM and (based on positive analytical results) that all of the plaster in the Kohl Building is ACM. The cost estimates can be refined if roofing materials are analyzed and additional plaster samples are analyzed.

25 February 2000
Mr. William J. Evert
Project No. 9904105

DRAFT - CONFIDENTIAL

Summary of Findings

Historical information, field observations, and analytical results are summarized by parcel on the individual tables provided on the following pages. Based on available information, remedial activities that may be required at each parcel (to prepare the properties for development) are provided on these tables. Estimates of potential remedial costs (based on available information) are also provided for each parcel. Potential ACM abatement costs are also summarized on these tables. The estimates are provided for planning purposes only and may vary based on collection of additional data, planned property use, and other factors.

Please feel free to call the undersigned at (315) 445-0224 if you have questions regarding this submittal. Thank you for your confidence in InteGreyted (Greystone) and we look forward to providing continued support on this project.

Sincerely,
INTEGREYTED CONSULTANTS, LLC

James F. Blasting, P.G
Vice President

Attachments

TABLE 1-1 *DRAFT - CONFIDENTIAL*

IDENTIFIED POTENTIAL/RECOGNIZED ENVIRONMENTALCONDITIONS

GREATER LOCKPORT DEVELOPMENT CORPORATION, RICHMOND AVENUE PROJECT

Location Of Finding (Reference Figure 2)	Topic	Finding Summary	Recommendation	Cost Estimate
Zimmies 7 Niagra Street Map ID #1	1) Four (4) Underground Storage Tanks (USTs), filled in place.	Four USTs are reportedly located in the SW portion of the Zimmies' lot. These USTs were reportedly "closed in place". Estimated sizes of the USTs are approximately 3,000 to 4,000 gallons.	Excavate adjacent to tanks, obtain samples as per STARS requirements and prepare closure report if samples "clean".	$5,000.00
		Minor evidence of petroleum contamination (odors, Hnu readings) was detected in Test Borings 3 and 6, the approximate location of the four USTs filled in place. Affected soil appears to be localized.	If "contaminated" - remove tanks and associated affected soil. Estimation of approximately 80 tons of petroleum contaminated soil (worst case scenerio). Resample per STARS and prepare closure report.	$35,000.00
	2) One (1) Underground Storage Tank (UST), filled with water.	Approximate location of the UST is in the NW portion of the northern half of the existing Zimmie Facility. Estimated size of UST is approx. 1,000 to 2,000 gallons.	Remove liquid and dispose according to federal, state and local guidelines. Remove tank and sample as per STARS and prepare closure report (if "clean").	$5,000.00
		Evidence of signficant petroleum contamination was not detected in Test Borings 9 through 11, adjacent to the approximate location of the UST. A slight petroleum odor was detected at boring TB-11 at 7 to 9 feet below grade.	If "contaminated" - remove estimated 25 tons of petroleum contaminated soil (worst case scenerio). Resample as per STARS and prepare closure report.	$7,000.00
	3) Floor Drains.	Reportedly connected to Town Storm Water System	Confirm and Close	$1,000.00
	4) Waste Oil.	Two (2) 275 gallon Aboveground Storage Tanks (ASTs)	Waste oil should be collected and properly disposed, the interior of the ASTs cleaned and then the ASTs can be removed from the site. This work should be performed by present owner prior to property transfer.	$3,000.00

TABLE 1-1

IDENTIFIED POTENTIAL/RECOGNIZED ENVIRONMENTALCONDITIONS

GREATER LOCKPORT DEVELOPMENT CORPORATION, RICHMOND AVENUE PROJECT

DRAFT - CONFIDENTIAL

Location Of Finding (Reference Figs. 2 + 3)	Topic	Finding Summary	Recommendation	Cost Estimate
Zimmies 7 Niagara Street Map ID #1	5) Antifreeze.	Collected and stored on-site in 55 gallon drum - recycled by present owner.	Confirm that all antifreeze and drums are removed from site by present owner prior to transfer. "Worst Case" scenario: 10 Drums need to be removed by purchaser.	$7,000.00
	6) Radiators.	Numerous radiators located in shed at north end of lot.	Present owner should remove from site prior to purchase.	Cost could vary depending on presence of fluids in the radiators.
	7) Petroleum and Metal Contaminated Soil.	Laboratory test results from Test Pit No. 21, indicate the presence of semi-volatile organic compounds and metals above NYSDEC Guidance (See Tables 2 and 3).	Soil removal (and proper disposal) to a depth approximately two feet. Estimated volume of affected soil to be removed, properly disposed and replaced - 500 tons (assumed worst case scenerio).	$85,000.00
	8) Asbestos-containing material.	Main roof presently consists of EPDM (Rubber). Installer not sure if previous roof was removed. If present, potential for asbestos exists. Storage consists of a modified asphalt; previous roof removed. Floor tiles may also be ACM.	Sample and confirm presence or absence of asbestos containing material (ACM). If ACM is present, a pre-demolition plan to address ACM will be needed.	$32,300.00
			Total Environmental	**$148,000.00**
			Total ACM	**$32,300.00**

Location Of Finding (Reference Figs. 2 + 3)	Topic	Finding Summary	Recommendation	Cost Estimate
Vacant Lot 3 Niagra Street Map ID #2	A 1928 Sanborn map indicates that a dry cleaner may have been on this lot. Old vehicles and debris are now located on this property.	Test Pit No.22 and Test Boring No 12 were completed in this area. No significant environmental considerations were encountered, although ash and slag were present in fill material at location TB-12.	No additional work is needed.	Not Applicable (NA)

Location Of Finding (Reference Figure 3)	Topic	Finding Summary	Recommendation	Cost Estimate
Kohl Buildings 49-51 Richmond Avenue Map ID #3	1) Four (4) 55 gallon drums.	Two drums are empty, one contains wheel bearing grease and the contents of the fourth drum is unknown.	Characterize the unknown material then properly dispose this material and the wheel bearing grease drums.	$1,500.00
	2) Three (3) aboveground storage tanks (ASTs), abandoned.	Abandonment confirmed - All ASTs are 275 gallon capacity.	Clean interior of each tank, properly dispose of contents and remove ASTs from site.	$1,500.00
	3) Miscellaneous Containers.	Numerous containers (from pint size to 5-gallon buckets) of spray paint, adhesives, paint, roof compounds, pipe joint compounds, carpet adhesives, drain cleaners and household cleaners.	Characterize, combine in a lab pack, and arrange proper disposal. This should be performed by present owner prior to property transfer.	$7,000.00
	4) Storage Cabinets.	Five cabinets with fuel and radiator conditioners, transmission cleaners, grease, oil, de-icers, ignition and fuel cleaners, additives, solvents and antifreeze.	Characterize, combine in a lab pack, and arrange proper disposal. This should be performed by present owner prior to property transfer.	$6,000.00
	5) Fertilizer Bags and Pesticides.	Numerous empty fertilizer packages throughout the three floors of the structure(s) and several one and three gallon containers of pesticide in the back store room of the main building.	Characterize, combine in a lab pack, and arrange proper disposal. This should be performed by present owner prior to property transfer.	$1,500.00
	6) Cylinders and Tanks.	Numerous empty to full containers of oxygen, carbon dioxide, acetylene and propane.	All containers should be properly collected and returned to the suppliers. This should be performed by the present owner prior to property transfer.	$1,500.00

Location Of Finding (Reference Figure 3)	Topic	Finding Summary	Recommendation	Cost Estimate
Kohl Building (cont-) 49-51 Richmond Avenue Map ID #3	7) Miscellaneous debris and solid waste.	Wall to wall debris and "collectables" (junk) stashed in almost all rooms of the structure.	Properly dispose. Should be performed by present owner prior to property transfer.	Unqualified to accurately access. Some "collectables" may have value.
	8) Tires.	Hundreds of tires in the basement of the main structure.	Properly dispose and/or recycle.	$5,000.00
	9) Asbestos - containing material.	Tiles, plaster, pipe insulation, boiler breaching and roofing materials are assumed to be ACM.	Address ACM prior to demolition	$404,800.00
			Total Environmental	**$24,000.00**
			Total ACM	**$404,800.00**

Location Of Finding (Reference Figure 3)	Topic	Finding Summary	Recommendation	Cost Estimate
Vacant Lot 53-55 Richmond Avenue Map ID #3	City directories and Sanborn maps indicate that automobile repairs were performed in the building formerly located on the present-day vacant lot. This activity took place from approximately the 1920's to the 1970's. Automobile repair may have been located primarily on the northwest extension of the property (north of Zimmerman property).	Test Pits 16 through 20 were completed in this area. All pits were excavated through a 4-inch concrete slab. Beneath the slab in the area of the old building (Test Pits 16-19) was a prior sub-grade basement area. This area was filled with rock and debris associated with the fire which destroyed the old structure. Test Pit No. 20 was excavated adjacent to the abandoned hydraulic lift in the area north of the Zimmerman property. No environmental issues of concern were detected in Test Pit No. 20. Selenium was above NYS Cleanup Standards in TP-19 at 3.0'-6.0'.	Collect background sample for metals analyses. Further action may not be needed, based on future use of property. If soil removal is needed, "worst case" scenario is excavation and disposal of selenium-contaminated soil (estimate 50 tons).	No excavation = No Cost Excavate and properly dispose $30,000.00
	According to a 1994 Phase I report, two gasoline UST's may be located at the front (Richmond Avenue side) of the vacant lot and one on the west side. The location and condition of these UST's are unknown. Old vehicles are now stored on this lot.	Test Pits 16 and 17 were excavated in the assumed area of the tanks. Tanks were not located. These tanks (if present) may be under the sidewalk or in the road. These areas are inaccessible due to utility constraints. Old vehicles are still present on-site.	Perform soil borings with continuous flight augers after sophisticated utility location is complete. Remove old vehicles from site and clean petroleum contaminated areas on the concrete with a citrus based cleaner and/or "speedi-dri".	$6,000.00
			Total Environmental	**$36,000.00**
			Total ACM	**N/A**

Location Of Finding (Reference Figure 3)	Topic	Finding Summary	Recommendation	Cost Estimate
GLDC Building 57 Richmond Avenue Map ID # 4	Sanborn maps dating back to 1914 indicate that this property was the location of a machine shop. Covert Motors occupied the property in a 1909 Sanborn map. E.H. Ferree Manufacturing (including chain manufacture) was depicted on a 1928 Sanborn map. A junkyard is depicted on the north-northeast portion of the property in the 1909 and 1928 maps. According to city directories, small scale leather manufacturing (wallets, etc.) occurred on the property from the 1920's to the 1970's.	Test Pit Nos. 11- 15 were completed in this area. Laboratory test results of samples from common materials in Test Pits 13 and 15 indicate concentrations of arsenic, barium, cadmium, chromium and selenium above NYS Cleanup Guidance.	Collect background sample and analyze for metals. Depending on future use, further action may not be needed. If soil removal is needed, the "worst case" scenario is excavation and disposal of soil with elevated metals concentrations (assume 100 tons).	No excavation = No Cost Excavate and properly dispose of non-hazardous soil. $70,000.00
	A recent Phase I report indicates that a fuel oil UST was removed from the rear of the senior citizens center building in about 1990; there is no further documentation on this removal.	Test Pit No 11 was completed in this area. No tank was observed and field screening with the PID did not indicate the presence of any petroleum products.	No additional work required.	N/A
	Fluorescent Lights.	Potential for ballasts to contain PCBs.	Contact Supplier to Confirm. Potential "worst case"scenario is that PCB ballasts need to be removed prior to demolition.	$3,000.00
	Miscellaneous chemicals.	Scattered household cleaners and solvents, floor adhesive and paints.	Characterize and combine in a lab pack disposal process.	$1,000.00
	Asbestos-containing material.	Potential ACM includes floor tiles, linoleum, pipe insulation, boiler breaching, and roofing (assumed).	Address ACM prior to demolition	$86,600.00
			Total Environmental	**$74,000.00**
			Total ACM	**$86,600.00**

Location Of Finding (Reference Figure 3)		Finding Summary	Recommendation	Cost Estimate
Licata Building 69 Richmond Avenue Map ID #5	According to city directories, this property was the location of Mullane Motors Auto Sales from the early1950's to the 1970's.	Test Pit Nos 6 and 7 indicated the presence of two 550 gallon USTs. Waste Oil was present in the tank located adjacent to Test Pit No. 6. Laboratory test results on samples associated with Test Pit No. 6 indicated that NYS Cleanup Guidance were exceeded for Benzo(b)fluoranthene, cadmium, chromium, selenium and mercury.	Excavate, clean, remove and properly dispose of liquids and tank carcasses. Remove, excavate, properly dispose and replace affected soils. Estimated "worst case" scenerio - approximately 100 tons of affected soil.	Tank Work $3,000.00 Soil Work $40,000.00
	Sanborn maps indicate that spray painting was conducted in the rear (northwest extension) of the property.	Laboratory test results on samples associated with Test Pit No. 6, 8 and 9 indicated that NYS Cleanup Guidance were exceeded for one or more of the following metals: cadmium, selenium and mercury.	Collect background soil samples. Remove, excavate, properly dispose and replace affected soil. Estimated "worst case" scenario: approximately 80 tons.	$9,000.00
	At the time of Greystone's field visit, the garage in the rear of the building was being used to repair company vehicles.	Numerous containers of solvents, waste oils and refrigerants were noted in this area. Two 55-gallon drums of waste oil were also observed in this area.	Characterize and arrange proper disposal. This should be performed by present owner prior to property transfer.	$2,000.00
	Floor Drains.	Empty to City of Lockport Storm Sewer.	Confirm and Close. Assume some contamination associated with floor drains ("worst case" scenario - 50 tons)	$7,500.00
	Hydraulic Lifts.	Sample adjacent soils according to STARS protocol.	Remove lifts and any associated petroleum contaminated soil. Estimated worst case scenerio - 50 tons of contaminated soil.	$10,000.00
	Asbestos-containing material.	Roofing material may contain asbestos.	Address prior to demolition	$42,000.00
			Total Environmental	**$71,500.00**
			Total ACM	**$42,000.00**

IDENTIFIED POTENTIAL/RECOGNIZED ENVIRONMENTALCONDITIONS
GREATER LOCKPORT DEVELOPMENT CORPORATION, RICHMOND AVENUE PROJECT

Location Of Finding (Reference Figure 3)	Topic	Finding Summary	Recommendation	Cost Estimate
Model T Bar 79 Richmond Avenue Map ID #6	According to a 1952 city directory listing, this property may once have been a part of Mullane Motors. Also, a radiator repair shop was once located in the rear of the present-day building.	Test Pit No. 5 was excavated in this area. Field screening with the PID indicated that volatile organic compounds in the soil were not a concern at this location.	No additional work is needed.	N/A
	Survey of the rear storage area indicated several issues of environmental concern.	At least 24 lead car batteries.	Lab pack and properly dispose or recycle.	$1,500.00
		Abandoned 275-gallon fuel oil tank.	Clean and properly dispose of residuals and carcass.	$1,000.00
		Corrosive 55-gallon carcass.	Overpack and properly dispose.	$800.00
	Miscellaneous chemicals.	Antifreeze, oils, wax and roofing compounds.	Characterize and combine in a lab pack disposal process. Should be performed by present owner prior to purchase.	$2,000.00
	Asbestos-containing material.	Potential Acm in floor tiles, pipe insulation, and roofing (assumed).	Address ACM prior to demolition	$40,675.00
			Total Environmental	**$5,300.00**
			Total ACM	**$40,675.00**

IDENTIFIED POTENTIAL/RECOGNIZED ENVIRONMENTAL CONDITIONS
GREATER LOCKPORT DEVELOPMENT CORPORATION, RICHMOND AVENUE PROJECT

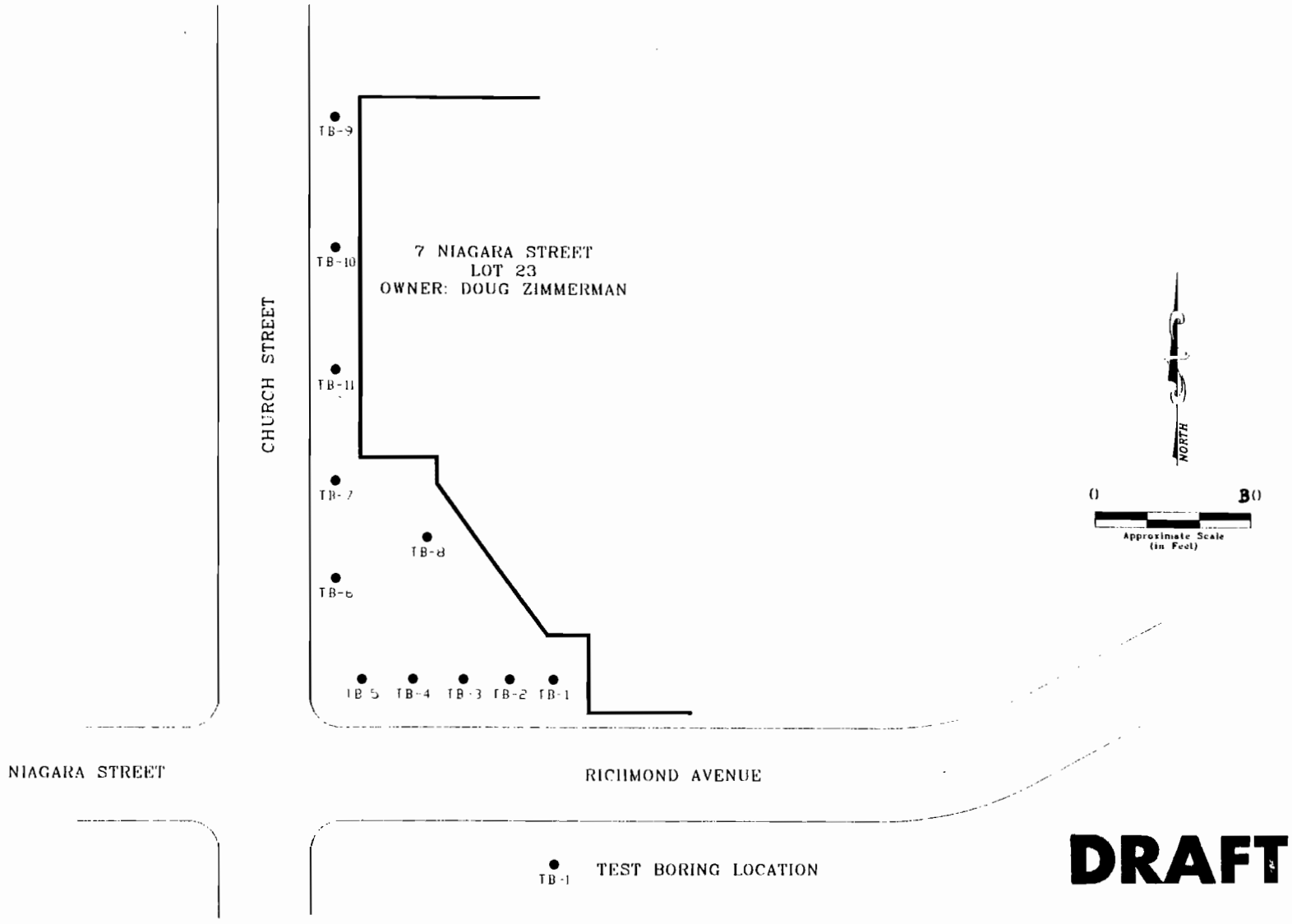
Location Of Finding (Reference Figure 3)	Topic	Finding Summary	Recommendation	Cost Estimate
Sansone Property 81 Richmond Avenue Map ID #7	City directories and historic photographs indicate that this property was the site of a gasoline station in the 1940's and 1950's (Bernd Service). Interviews with city personnel indicated that a dry cleaner may have been located on this lot at one time.	Test Pits Nos 1 - 4 were excavated in this area. Several abandoned supply and return lines were encountered in TP-1; however, no USTs or their "graves" were observed. Potential for buried USTs to be under sidewalks, in the road, or partially under the building. Utilities limited excavations.	Perform soil borings with continuous flight augers after sophisticated utility location is complete.	$4,000.00
		Arsenic was detected at a level above the NYS Cleanup Guidance in the laboratory sample from TP-1 at a depth of 3.0-6.0 feet.	Collect background sample and analyze for metals. Depending on future use, further action may not be needed. If soil removal is warrented, excavate, remove, properly dispose and replace affected soil. Estimated "worst case" scenario quantity - approximately 50 tons.	No excavation = No cost Excavate and properly dispose of non-hazardous soil. $30,000.00
	Asbestos-containing material.	Potential Acm in pipe insulation, and roofing (assumed).	Address ACM prior to demolition	$9,350.00
			Total Environmental	**$34,000.00**
			Total ACM	**$9,350.00**

ATTACHMENT 1

FIGURES

ATTACHMENT 2

TEST BORING LOGS



Greystone environmental
104 JAMESVILLE ROAD
SYRACUSE, NY 13214
PHONE (315) 445-0224
FAX (315) 445-0793

DRAWN BY	Fcs
CAD FILE	GLDC
DATE	Nov 99
SCALE	1"=80'

TEST BORING LOCATIONS
GLDC Richmond Avenue Project
Lockport, New York

PREPARED FOR: GLDC

FIGURE 2

Greystone Evnironmental, LLC

TEST BORING LOG
BORING NO. 1

PROJECT: Richmond Avenue Project								Sheet 1 of 1
CLIENT: Greater Lockport Development Corporation								
GREYSTONE PROJECT NO: 9904105P								
DRILLING METHOD: Geoprobe				SAMPLER	BIT SIZE	CORE	CASING	
DRILLING RIG: Truck Mounted				2" poly tubing	NA	NA	NA	Date: 10/28/99
DRILLER:Strategic Env. Man. - D				INSPECTOR: David W. Myers				
DEPTH IN FT.	SAMPLE NO.	BLOWS PER 6"	REC.	USCS Class	SOIL DESCRIPTION			REMARKS
1.0					Asphalt (2") and Concrete (4")			
	1				Fill - (Man-made), Sand, fine to coarse, silty, gravelly, moist, black (about 3"), to red-brown to brown			*
2.0					Fill - (Man-made), Boulders, cobbles, brick and debris in a silty sand matrix, moist, brown to grey			
3.0					Refusal on Boulder			
4.0								
5.0					* Black zone petroleum contaminated - Slight odor - <5 ppm on Hnu.			
6.0								
7.0								
8.0								
9.0								
10.0								
11.0								
12.0								
13.0								
14.0								
15.0								

* depth is feet below grade

Greystone Evnironmental, LLC

TEST BORING LOG
BORING NO. 2

PROJECT: Richmond Avenue Project								Sheet 1 of 1
CLIENT: Greater Lockport Development Corporation								
GREYSTONE PROJECT NO: 9904105P								
DRILLING METHOD: Geoprobe					SAMPLER	BIT SIZE	CORE	CASING
DRILLING RIG: Truck Mounted					2" poly tubing	NA	NA	NA
DRILLER:Strategic Env. Man. - Dave					INSPECTOR: David W. Myers			
DEPTH IN FT.	SAMPLE NO.	BLOWS PER 6"	REC.	USCS Class	SOIL DESCRIPTION			REMARKS
					Asphalt (2") and Concrete (4")			
1.0					Fill - (Man-made), Sand, fine to coarse, silty, gravelly, moist, black (about top 3") to red-brown to brown			*
2.0	1							
3.0					Fill - (Man-made), Boulders, cobbles, brick and debris in a silty sand matrix, moist to very moist, brown to grey			No Hnu Reading
4.0								
5.0								
6.0	2							
7.0								
8.0					Fill - (Man-made), Brick and debris in a silty, sandy, clay matrix, organics, moist to very moist, red-brown to brown to black			No Hnu Reading
9.0								
10.0	3							
11.0					Clay, gravelly and sandy, moist to very moist, brown (Colluvium)			No Hnu Reading
12.0								
	4							
13.0					Refusal - Assumed Limestone Bedrock - Bedrock fragments in tip of sampling device.			
14.0								
15.0					*Black zone petroleum contaminated - Slight odor - <5 ppm on			

* depth is feet below grade

Greystone Evnironmental, LLC

TEST BORING LOG
BORING NO. 3

PROJECT: Richmond Avenue Project								Sheet 1 of 1
CLIENT: Greater Lockport Development Corporation								
GREYSTONE PROJECT NO: 9904105P								
DRILLING METHOD: Geoprobe					SAMPLER	BIT SIZE	CORE	CASING
DRILLING RIG: Truck Mounted					2" poly tubing	NA	NA	NA
DRILLER:Strategic Env. Man. - Dave					INSPECTOR: David W. Myers			
DEPTH IN FT.	SAMPLE NO.	BLOWS PER 6"	REC.	USCS Class	SOIL DESCRIPTION			REMARKS
1.0					Asphalt (2") and Concrete (4")			
					Fill - (Man-made), Sand, fine to coarse, silty, gravelly, moist, black (about top 3") to red-brown to brown			No Hnu Reading
2.0	1							
3.0					Fill - (Man-made), Boulders, cobbles, brick and debris in a silty sand matrix, moist to very moist, brown to grey			No Hnu Reading
4.0								
5.0								
6.0	2							
7.0								
8.0								
9.0								
10.0	3				Clay, gravelly and sandy, moist to very moist, brown (Colluvium)			Petroleum Odors Hnu=15ppm
11.0								
12.0					Refusal - Assumed Limestone Bedrock - Bedrock fragments in tip of sampling device.			
13.0								
14.0								
15.0								

* depth is feet below grade

Greystone Evnironmental, LLC

TEST BORING LOG
BORING NO. 4

PROJECT: Richmond Avenue Project									Sheet 1 of 1
CLIENT: Greater Lockport Development Corporation									
GREYSTONE PROJECT NO: 9904105P									
DRILLING METHOD: Geoprobe					SAMPLER	BIT SIZE	CORE	CASING	
DRILLING RIG: Truck Mounted					2" poly tubing	NA	NA	NA	Date: 10/28/99
DRILLER:Strategic Env. Man. - Dave					INSPECTOR: David W. Myers				
DEPTH IN FT.	SAMPLE NO.	BLOWS PER 6"	REC.	USCS Class	SOIL DESCRIPTION				REMARKS
					Asphalt (2") and Concrete (4")				
1.0					Fill - (Man-made), Sand, fine to coarse, silty, gravelly, moist, black (about top 3") to red-brown to brown				No Hnu Reading
2.0	1								
3.0					Fill - (Man-made), Boulders, cobbles, brick and debris in a silty sand matrix, moist to very moist, brown to grey				No Hnu Reading
4.0									
5.0									
6.0	2								
7.0									
8.0									
9.0	3				Clay, gravelly and sandy, moist to very moist, brown (Colluvium)				No Hnu Reading
10.0					Refusal - Assumed Limestone Bedrock - Bedrock fragments in tip of sampling device				
11.0									
12.0									
13.0									
14.0									
15.0									

* depth is feet below grade

Greystone Evnironmental, LLC

TEST BORING LOG
BORING NO. 5

PROJECT: Richmond Avenue Project								Sheet 1 of 1
CLIENT: Greater Lockport Development Corporation								
GREYSTONE PROJECT NO: 9904105P								
DRILLING METHOD: Geoprobe					SAMPLER	BIT SIZE	CORE	CASING
DRILLING RIG: Truck Mounted					2" poly tubing	NA	NA	NA
DRILLER:Strategic Env. Man. - Dave					INSPECTOR: David W. Myers			
DEPTH IN FT.	SAMPLE NO.	BLOWS PER 6"	REC.	USCS Class	SOIL DESCRIPTION			REMARKS
1.0					Asphalt (2") and Concrete (4")			
					Fill - (Man-made), Sand, fine to coarse, silty, gravelly, moist, black (about top 3") to red-brown to brown			No Hnu Reading
2.0	1							
3.0					Fill - (Man-made), Boulders, cobbles, brick and debris in a silty sand matrix, moist to very moist, brown to grey			No Hnu Reading
4.0								
5.0								
					Clay, gravelly and sandy, moist to very moist, brown (Colluvium)			No Hnu Reading
6.0	2							
7.0								
8.0								
	3							
9.0								
					Refusal - Assumed Limestone Bedrock - Bedrock fragments in tip of sampling device			
10.0								
11.0								
12.0								
13.0								
14.0								
15.0								

* depth is feet below grade

Greystone Evnironmental, LLC

TEST BORING LOG
BORING NO. 6

PROJECT: Richmond Avenue Project								Sheet 1 of 1
CLIENT: Greater Lockport Development Corporation								
GREYSTONE PROJECT NO: 9904105P								
DRILLING METHOD: Geoprobe					SAMPLER	BIT SIZE	CORE	CASING
DRILLING RIG: Truck Mounted					2" poly tubing	NA	NA	NA
DRILLER:Strategic Env. Man. - Dave					INSPECTOR: David W. Myers			
DEPTH IN FT.	SAMPLE NO.	BLOWS PER 6"	REC.	USCS Class	SOIL DESCRIPTION			REMARKS
1.0					Asphalt (2") and Concrete (4")			
					Fill - (Man-made), Sand, fine to coarse, silty, gravelly, moist, black (about top 3") to red-brown to brown			No Hnu Reading
2.0	1							
3.0					Fill - (Man-made), Boulders, cobbles, brick and debris in a silty sand matrix, moist to very moist, brown to grey			No Hnu Reading till 8.0'
4.0								
5.0								
6.0	2							
7.0								
8.0	3				Slight Petroleum Odors - 8.0'-8.5' Hnu < 5 ppm			
9.0					Refusal - Assumed Limestone Bedrock - Bedrock fragments in tip of sampling device			
10.0								
11.0								
12.0								
13.0								
14.0								
15.0								

* depth is feet below grade

Greystone Evnironmental, LLC

TEST BORING LOG
BORING NO. 7

PROJECT: Richmond Avenue Project								Sheet 1 of 1
CLIENT: Greater Lockport Development Corporation								
GREYSTONE PROJECT NO: 9904105P								
DRILLING METHOD: Geoprobe					SAMPLER	BIT SIZE	CORE	CASING
DRILLING RIG: Truck Mounted					2" poly tubing	NA	NA	NA
DRILLER:Strategic Env. Man. - Dave					INSPECTOR: David W. Myers			
DEPTH IN FT.	SAMPLE NO.	BLOWS PER 6"	REC.	USCS Class	SOIL DESCRIPTION			REMARKS
1.0					Asphalt (2") and Concrete (4")			
2.0	1							
3.0					Fill - (Man-made), Boulders, cobbles, brick and debris in a silty sand matrix, moist to very moist, brown to grey			No Hnu Reading
4.0								
5.0								
6.0	2				Clay, gravelly and sandy, moist to very moist, brown (Colluvium)			No Hnu Reading
7.0								
8.0								
9.0					Refusal - Assumed Limestone Bedrock - Bedrock fragments in tip of sampling device			
10.0								
11.0								
12.0								
13.0								
14.0								
15.0								

* depth is feet below grade

Greystone Evnironmental, LLC

TEST BORING LOG
BORING NO. 8

PROJECT: Richmond Avenue Project								Sheet 1 of 1
CLIENT: Greater Lockport Development Corporation								
GREYSTONE PROJECT NO: 9904105P								
DRILLING METHOD: Geoprobe					SAMPLER	BIT SIZE	CORE	CASING
DRILLING RIG: Truck Mounted					2" poly tubing	NA	NA	NA
DRILLER:Strategic Env. Man. - Dave					INSPECTOR: David W. Myers			
DEPTH IN FT.	SAMPLE NO.	BLOWS PER 6"	REC.	USCS Class	SOIL DESCRIPTION			REMARKS
1.0					Asphalt (2") and Concrete (4")			
2.0	1							
3.0					Fill - (Man-made), Boulders, cobbles, brick and debris in a silty sand matrix, moist to very moist, brown to grey			No Hnu Reading
4.0								
5.0								
6.0	2				Clay, gravelly and sandy, moist to very moist, brown (Colluvium)			No Hnu Reading
7.0					Refusal - Assumed Limestone Bedrock - Bedrock fragments in tip of sampling device			
8.0								
9.0								
10.0								
11.0								
12.0								
13.0								
14.0								
15.0								

* depth is feet below grade

Greystone Evnironmental, LLC

TEST BORING LOG
BORING NO. 9

PROJECT: Richmond Avenue Project									Sheet 1 of 1
CLIENT: Greater Lockport Development Corporation									
GREYSTONE PROJECT NO: 9904105P									
DRILLING METHOD: Geoprobe					SAMPLER	BIT SIZE	CORE	CASING	
DRILLING RIG: Truck Mounted					2" poly tubing	NA	NA	NA	Date: 10/28/99
DRILLER:Strategic Env. Man. - Dave					INSPECTOR: David W. Myers				
DEPTH IN FT.	SAMPLE NO.	BLOWS PER 6"	REC.	USCS Class	SOIL DESCRIPTION				REMARKS
1.0					Asphalt (2") and Concrete (4")				
2.0	1								
3.0					Fill - (Man-made), Boulders, cobbles, brick and debris in a silty sand matrix, moist to very moist, brown to grey				No Hnu Reading
4.0									
5.0									
6.0	2								
7.0									
8.0									
9.0									
10.0	3				Scattered clayey lenses from 9.5'-11.5'.				
11.0									
12.0					Refusal - Assumed Limestone Bedrock - Bedrock fragments in tip of sampling device				
13.0									
14.0									
15.0									

* depth is feet below grade

Greystone Evnironmental, LLC

TEST BORING LOG
BORING NO. 10

PROJECT: Richmond Avenue Project								Sheet 1 of 1
CLIENT: Greater Lockport Development Corporation								
GREYSTONE PROJECT NO: 9904105P								
DRILLING METHOD: Geoprobe					SAMPLER	BIT SIZE	CORE	CASING
DRILLING RIG: Truck Mounted					2" poly tubing	NA	NA	NA
DRILLER:Strategic Env. Man. - Dave					INSPECTOR: David W. Myers			
DEPTH IN FT.	SAMPLE NO.	BLOWS PER 6"	REC.	USCS Class	SOIL DESCRIPTION			REMARKS
1.0					Asphalt (2") and Concrete (4")			
2.0	1							
3.0					Fill - (Man-made), Boulders, cobbles, brick and debris in a silty sand matrix, moist to very moist, brown to grey			No Hnu Reading
4.0								
5.0								
6.0	2							
7.0								
8.0					Scattered clayey lenses from 7.5'-10.0'			
9.0	3							
10.0								
11.0					Refusal - Assumed Limestone Bedrock - Bedrock fragments in tip of sampling device			
12.0								
13.0								
14.0								
15.0								

* depth is feet below grade

Greystone Evnironmental, LLC

TEST BORING LOG
BORING NO. 11

PROJECT: Richmond Avenue Project								Sheet 1 of 1
CLIENT: Greater Lockport Development Corporation								
GREYSTONE PROJECT NO: 9904105P								
DRILLING METHOD: Geoprobe					SAMPLER	BIT SIZE	CORE	CASING
DRILLING RIG: Truck Mounted					2" poly tubing	NA	NA	NA
DRILLER:Strategic Env. Man. - Dave					INSPECTOR: David W. Myers			
DEPTH IN FT.	SAMPLE NO.	BLOWS PER 6"	REC.	USCS Class	SOIL DESCRIPTION			REMARKS
1.0					Asphalt (2") and Concrete (4")			
2.0	1							
3.0					Fill - (Man-made), Boulders, cobbles, brick and debris in a silty sand matrix, moist to very moist, brown to grey			No Hnu Reading
4.0	___							
5.0								
6.0	2							
7.0								
8.0	___				Scattered clayey lenses from 7.0'-10.0'			*
9.0	3							
10.0	___							
11.0					Refusal - Assumed Limestone Bedrock - Bedrock fragments in tip of sampling device			
12.0					* = Slight Petroleum Odor from 7.0'-9.0' - Hnu= < 5ppm			
13.0								
14.0								
15.0								

* depth is feet below grade

Greystone Evnironmental, LLC

TEST BORING LOG
BORING NO. 12

PROJECT: Richmond Avenue Project								Sheet 1 of 1
CLIENT: Greater Lockport Development Corporation								
GREYSTONE PROJECT NO: 9904105P								
DRILLING METHOD: Geoprobe				SAMPLER	BIT SIZE	CORE	CASING	
DRILLING RIG: Truck Mounted				2" poly tubing	NA	NA	NA	Date: 10/28/99
DRILLER:Strategic Env. Man. - Dave				INSPECTOR: David W. Myers				
DEPTH IN FT.	SAMPLE NO.	BLOWS PER 6"	REC.	USCS Class	SOIL DESCRIPTION			REMARKS
1.0								
2.0	1							
3.0					Fill - (Man-made), Boulders, cobbles, brick and debris in a silty sand matrix, moist to very moist, brown to red-brown to greenish brown to grey			No Hnu Reading
4.0	___							
5.0					ash and slag also noted in debris			
6.0	2							
7.0								
8.0	___							
9.0								
10.0	3							
11.0								
12.0	___				Clay, gravelly, sandy, silty, organic (11.5'-12.0'), moist, black to brown			*
13.0	4							
14.0	___				Refusal - Assumed Limestone Bedrock - Bedrock fragments in tip of sampling device			
15.0								

* depth is feet below grade

ATTACHMENT 3

TEST PIT LOGS

Greystone Environmental, LLC

TEST PIT LOG
Excavation No. TP-1

Project Name: Richmond Avenue	Project No.: 9904105P	Date & Time Started: 10/26/99 - 7:50
Project Location: Lockport, New York	Client: Greater Lockport Development Corp.	Date & Time Completed: 10/26/99 - 9:45
Excavation Equipment:Ford 555C Backhoe	Operator: Mike	Elevation & Datum:
Company: Town of Lockport		Completion Depth:5.0'
Greystone Inspector: David W. Myers		Depth to Water: Not Applicable
Test Pit No.TP-1		Depth to Rock: Not Applicable

Depth*	Soil Description	Comments
1	Concrete and Asphalt Fill (Man-made) Silty Sand and Gravel, debris, brick, slag, moist,	pipelines - fuel and electric
2	gray, black and brown	
3		Foundation Wall
4		
5		
6	End of Test Pit	No petroleum odors No Hnu Readings
7		
8		
9		
10		
11		
12		
13		
14		
15		

* depth is feet below grade

Greystone Environmental, LLC

TEST PIT LOG
Excavation No. TP-2

Project Name: Richmond Avenue	Project No.: 9904105P	Date & Time Started: 10/26/99 - 10:00
Project Location: Lockport, New York	Client: Greater Lockport Development Corp.	Date & Time Completed: 10/26/99 - 10:15
Excavation Equipment:Ford 555C Backhoe	Operator: Mike	Elevation & Datum:
Company: Town of Lockport		Completion Depth:6.0'
Greystone Inspector: David W. Myers		Depth to Water: Not Applicable
Test Pit No. TP-2		Depth to Rock: Not Applicable

Depth*	Soil Description	Comments
1	Concrete and Asphalt	
	Fill (Man-made) Silty Sand and Gravel, debris, brick, slag, moist,	pipelines - electric
2	gray, black and brown	
3	Gravel, sandy, clayey, moist, gray to brown (Colluvium)	
4		
5		
6		No petroleum odors No Hnu Readings
7	End of Test Pit	
8		
9		
10		
11		
12		
13		
14		
15		

* depth is feet below grade

Greystone Environmental, LLC

TEST PIT LOG
Excavation No. TP-3

Project Name: Richmond Avenue	Project No.: 9904105P	Date & Time Started: 10/26/99 - 10:30
Project Location: Lockport, New York	Client: Greater Lockport Development Corp.	Date & Time Completed: 10/26/99 - 10:45
Excavation Equipment:Ford 555C Backhoe	Operator: Mike	Elevation & Datum:
Company: Town of Lockport		Completion Depth:5.0'
Greystone Inspector: David W. Myers		Depth to Water: Not Applicable
Test Pit No. TP-3		Depth to Rock: Not Applicable

Depth*	Soil Description	Comments
1	Concrete and Asphalt Fill (Man-made) Silty Sand and Gravel, debris, brick, slag, moist,	
2	gray, brown	
3	Gravel, sandy, clayey, moist, gray to brown (Colluvium)	No Petroleum Odors No Hnu Readings
4		
5		
6	End of Test Pit	
7		
8		
9		
10		
11		
12		
13		
14		
15		

* depth is feet below grade

Greystone Environmental, LLC

TEST PIT LOG
Excavation No. TP-4

Project Name: Richmond Avenue	Project No.: 9904105P	Date & Time Started: 10/26/99 - 10:50
Project Location: Lockport, New York	Client: Greater Lockport Development Corp.	Date & Time Completed: 10/26/99 - 11:15
Excavation Equipment:Ford 555C Backhoe	Operator: Mike	Elevation & Datum:
Company: Town of Lockport		Completion depth:7.5'
Greystone Inspector: David W. Myers		Depth to Water: Not Applicable
Test Pit No. TP-4		Depth to Rock: Not Applicable

Depth*	Soil Description	Comments
1	Concrete and Asphalt Fill (Man-made) Silty Sand,fine to coarse, scattered gravel,moist,	
2	gray	
3		No petroleum odors No Hnu Readings
4		
5		
6		
7	Fill (Man-made) Intermixed Silty Sand and gravelly clay(colluvium) numerous brick, very moist, gray and brown	High Petroleum Odors: however Hnu< 10 ppm
8	End of Test Pit	
9		
10		
11		
12		
13		
14		
15		

* depth is feet below grade

Greystone Environmental, LLC

TEST PIT LOG
Excavation No. TP-5

Project Name: Richmond Avenue	Project No.: 9904105P	Date & Time Started: 10/26/99 - 11:15
Project Location: Lockport, New York	Client: Greater Lockport Development Corp.	Date & Time Completed: 10/26/99 - 11:30
Excavation Equipment:Ford 555C Backhoe	Operator: Mike	Elevation & Datum:
Company: Town of Lockport		Completion Depth:4.0'
Greystone Inspector: David W. Myers		Depth to Water: Not Applicable
Test Pit No. TP-5		Depth to Rock: Not Applicable

Depth*	Soil Description	Comments
1	Organics: Grass and Topsoil Fill (Man-made), Gravel, sandy, debris, brick, boulders, moist,	
2	black	
3	Gravel, sandy, slightly clayey, gray, black (Colluvium)	
4		
5	End of Test Pit	No Petroleum Odors No Hnu Readings
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

* depth is feet below grade

Greystone Environmental, LLC

TEST PIT LOG
Excavation No. TP-6

Project Name: Richmond Avenue	Project No.: 9904105P	Date & Time Started: 10/26/99 - 12:30
Project Location: Lockport, New York	Client: Greater Lockport Development Corp.	Date & Time Completed: 10/26/99 - 1:15
Excavation Equipment:Ford 555C Backhoe	Operator: Mike	Elevation & Datum:
Company: Town of Lockport		Completion Depth:4.0'
Greystone Inspector: David W. Myers		Depth to Water: Not Applicable
Test Pit No. TP-6		Depth to Rock: Not Applicable

Depth*	Soil Description	Comments
1	Fill (Man-made), Gravel, sandy, debris, brick, boulders, moist,	High Petroleum Odors
2	black	Hnu > 50 ppm
3		Waste Oil Tank -1ft sludge assumed 1,000 gallon
4		
5	End of Test Pit	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

* depth is feet below grade

Greystone Environmental, LLC

TEST PIT LOG
Excavation No. TP-6A

Project Name: Richmond Avenue	Project No.: 9904105P	Date & Time Started: 10/27/99 - 8:55
Project Location: Lockport, New York	Client: Greater Lockport Development Corp.	Date & Time Completed: 10/27/99 - 9:15
Excavation Equipment:Ford 555C Backhoe	Operator: Mike	Elevation & Datum:
Company: Town of Lockport		Completion Depth:8.0'
Greystone Inspector: David W. Myers		Depth to Water: Not Applicable
Test Pit No. TP-6A		Depth to Rock: Not Applicable

Depth*	Soil Description	Comments
1	Fill (Man-made), Gravel, sandy, debris, brick, boulders, moist,	
2	black	
3		No Petroleum Odors No Hnu Readings
4		
5		
6		
7		
8		
9	End of Test Pit	
10		
11		
12		
13		
14		
15		

* depth is feet below grade

Greystone Environmental, LLC

TEST PIT LOG
Excavation No. TP-7

Project Name: Richmond Avenue	Project No.: 9904105P	Date & Time Started: 10/26/99 - 1:15
Project Location: Lockport, New York	Client: Greater Lockport Development Corp.	Date & Time Completed: 10/26/99 - 1:30
Excavation Equipment:Ford 555C Backhoe	Operator: Mike	Elevation & Datum:
Company: Town of Lockport		Completion Depth:5.0'
Greystone Inspector: David W. Myers		Depth to Water: Not Applicable
Test Pit No. TP-7		Depth to Rock: Not Applicable

Depth*	Soil Description	Comments
1	Fill (Man-made), Gravel, sandy, debris, brick, boulders, moist,	No Petroleum Odors
2	black Adjacent to tank which is parallel to Building	No Hnu Readings
3	Gravel, sandy, fine to coarse, silty, moist, gray (Colluvium)	Gasoline Tank assumed 1,000 gallon
4		
5		
6	End of Test Pit	
7		
8		
9		
10		
11		
12		
13		
14		
15		

* depth is feet below grade

Greystone Environmental, LLC

TEST PIT LOG
Excavation No. TP-8

Project Name: Richmond Avenue	Project No.: 9904105P	Date & Time Started: 10/26/99 - 1:30
Project Location: Lockport, New York	Client: Greater Lockport Development Corp.	Date & Time Completed: 10/26/99 - 1:45
Excavation Equipment:Ford 555C Backhoe	Operator: Mike	Elevation & Datum:
Company: Town of Lockport		Completion Depth:4.0'
Greystone Inspector: David W. Myers		Depth to Water: Not Applicable
Test Pit No. TP-8		Depth to Rock: Not Applicable

Depth*	Soil Description	Comments
1	Fill (Man-made), Gravel, sandy, debris, brick, boulders, ash, very moist, black	No Petroleum Odors No Hnu Readings
3	Gravel, sandy, fine to coarse, silty to clayey, moist, gray to brown (Colluvium)	
4		
5	End of Test Pit	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

* depth is feet below grade

Greystone Environmental, LLC

TEST PIT LOG
Excavation No. TP-9

Project Name: Richmond Avenue	Project No.: 9904105P	Date & Time Started: 10/26/99 - 1:45
Project Location: Lockport, New York	Client: Greater Lockport Development Corp.	Date & Time Completed: 10/26/99 - 2:15
Excavation Equipment:Ford 555C Backhoe	Operator: Mike	Elevation & Datum:
Company: Town of Lockport		Completion Depth:7.0'
Greystone Inspector: David W. Myers		Depth to Water: Not Applicable
Test Pit No. TP-9		Depth to Rock: Not Applicable

Depth*	Soil Description	Comments
1	Fill (Man-made), Gravel, sandy, clayey, debris, brick, boulders, very moist, black to gray	No Petroleum Odors to 4.5 ft. No Hnu Readings to 4.5 ft.
3		
4		
5	Gravel, sandy, silty to clayey, very moist, gray to brown	High Petroleum Odor Hnu > 100 ppm
6	(Colluvium)	
7		
8	End of Test Pit	
9		
10		
11		
12		
13		
14		
15		

* depth is feet below grade

Greystone Environmental, LLC

TEST PIT LOG
Excavation No. TP-10

Project Name: Richmond Avenue	Project No.: 9904105P	Date & Time Started: 10/26/99 - 2:15
Project Location: Lockport, New York	Client: Greater Lockport Development Corp.	Date & Time Completed: 10/26/99 - 2:30
Excavation Equipment:Ford 555C Backhoe	Operator: Mike	Elevation & Datum:
Company: Town of Lockport		Completion Depth:5.0'
Greystone Inspector: David W. Myers		Depth to Water: Not Applicable
Test Pit No. TP-10		Depth to Rock: Not Applicable

Depth*	Soil Description	Comments
1	Organics: Grass and Topsoil Sand, fine to coarse, scattered gravel, silty to clayey, moist to	
2	very moist, black to brown	
3	Sand, fine to coarse, silty, moist to very moist, brown	
4	Gravel, sandy, silty to clayey, moist, black to gray (Colluvium)	
5		
6	End of Test Pit	No Petroleum Odors No Hnu Readings
7		
8		
9		
10		
11		
12		
13		
14		
15		

* depth is feet below grade

Greystone Environmental, LLC

TEST PIT LOG
Excavation No. TP-11

Project Name: Richmond Avenue	Project No.: 9904105P	Date & Time Started: 10/27/99 - 8:00
Project Location: Lockport, New York	Client: Greater Lockport Development Corp.	Date & Time Completed: 10/27/99 - 8:30
Excavation Equipment:Ford 555C Backhoe	Operator: Mike	Elevation & Datum:
Company: Town of Lockport		Completion Depth:13.0'
Greystone Inspector: David W. Myers		Depth to Water: Not Applicable
Test Pit No. TP-11		Depth to Rock: Not Applicable

Depth*	Soil Description	Comments
1	Fill (Man-made) Sand and Gravel, fine to coarse, silty moist, grey	
2		
3		
4		
5		
6	Fill (Man-made) Sand and gravel, fine to coarse, silty to clayey, moist to very moist, brown	No Petroleum Odors No Hnu Readings
7		
8		
9		
10		
11		
12		
13	Natural - Gravel, clayey to silty, sandy, fine to coarse, moist to very moist, brown	No Petroleum Odors No Hnu Readings
14	End of Test Pit	
15		

* depth is feet below grade

Greystone Environmental, LLC

TEST PIT LOG
Excavation No. TP-12

Project Name: Richmond Avenue	Project No.: 9904105P	Date & Time Started: 10/27/99 - 8:00
Project Location: Lockport, New York	Client: Greater Lockport Development Corp.	Date & Time Completed: 10/27/99 - 8:30
Excavation Equipment:Ford 555C Backahoe	Operator: Mike	Elevation & Datum:
Company: Town of Lockport		Completion Depth:8.0'
Greystone Inspector: David W. Myers		Depth to Water: Not Applicable
Test Pit No. TP-12		Depth to Rock: Not Applicable

Depth*	Soil Description	Comments
1	Asphalt and Base Course Material	
2		
3		
4		
5		
6	Fill (Man-made) Sand and gravel, fine to coarse, silty to clayey, bricks and debris, moist to very moist, brown	No Petroleum Odors No Hnu Readings
7		
8		
9	End of Test Pit	
10		
11		
12		
13		
14		
15		

* depth is feet below grade

Greystone Environmental, LLC

TEST PIT LOG
Excavation No. TP-13

Project Name: Richmond Avenue	Project No.: 9904105P	Date & Time Started: 10/27/99 - 8:00
Project Location: Lockport, New York	Client: Greater Lockport Development Corp.	Date & Time Completed: 10/27/99 - 8:30
Excavation Equipment:Ford 555C Backhoe	Operator: Mike	Elevation & Datum:
Company: Town of Lockport		Completion Depth:3.0'
Greystone Inspector: David W. Myers		Depth to Water: Not Applicable
Test Pit No. TP-13		Depth to Rock: Not Applicable

Depth*	Soil Description	Comments
1	Asphalt and Base Course Material Fill (Man-made) Sand and Clay, debris, ash, moist, black to grey	
2	to brown	
3	Gravel, clayey and sandy, moist, brown (Colluvium)	No Petroleum Odors No Hnu Readings
4	End of Test Pit	
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

* depth is feet below grade

Greystone Environmental, LLC

TEST PIT LOG
Excavation No. TP-14

Project Name: Richmond Avenue	Project No.: 9904105P	Date & Time Started: 10/27/99 - 8:00
Project Location: Lockport, New York	Client: Greater Lockport Development Corp.	Date & Time Completed: 10/27/99 - 8:30
Excavation Equipment:Ford 555C Backhoe	Operator: Mike	Elevation & Datum:
Company: Town of Lockport		Completion Depth:8.0'
Greystone Inspector: David W. Myers		Depth to Water: Not Applicable
Test Pit No. TP-14		Depth to Rock: Not Applicable

Depth*	Soil Description	Comments
1	Asphalt and Base Course Material	
2		
3		
4		
5		
6	Fill (Man-made) Sand and gravel, fine to coarse, silty to clayey, bricks and debris, moist to very moist, brown	No Petroleum Odors No Hnu Readings
7		
8		
9	End of Test Pit	
10		
11		
12		
13		
14		
15		

* depth is feet below grade

Greystone Environmental, LLC

TEST PIT LOG
Excavation No. TP-15

Project Name: Richmond Avenue	Project No.: 9904105P	Date & Time Started: 10/27/99 - 8:00
Project Location: Lockport, New York	Client: Greater Lockport Development Corp.	Date & Time Completed: 10/27/99 - 8:30
Excavation Equipment:Ford 555C Backhoe	Operator: Mike	Elevation & Datum:
Company: Town of Lockport		Completion Depth:9.0'
Greystone Inspector: David W. Myers		Depth to Water: Not Applicable
Test Pit No. TP-15		Depth to Rock: Not Applicable

Depth*	Soil Description	Comments
1	Asphalt and Base Course Material	
2		
3		
4		
5		
6	Fill (Man-made) Sand and gravel, fine to coarse, silty to clayey, bricks and debris, moist to very moist, brown	No Petroleum Odors No Hnu Readings
7	(Lots of Debris and Brick)	
8		
9	Gravel, clayey, sandy, very moist, brown (Colluvium)	
10	End of Test Pit	
11		
12		
13		
14		
15		

* depth is feet below grade

Greystone Environmental, LLC

TEST PIT LOG
Excavation No. TP-16

Project Name: Richmond Avenue	Project No.: 9904105P	Date & Time Started: 10/27/99 - 8:00
Project Location: Lockport, New York	Client: Greater Lockport Development Corp.	Date & Time Completed: 10/27/99 - 8:30
Excavation Equipment:Ford 555C Backhoe	Operator: Mike	Elevation & Datum:
Company: Town of Lockport		Completion Depth:9.0'
Greystone Inspector: David W. Myers		Depth to Water: Not Applicable
Test Pit No. TP-16		Depth to Rock: Not Applicable

Depth*	Soil Description	Comments
1		
2		
3		
4		
5		
6	Fill (Man-made) Sand and gravel, fine to coarse, clayey, silty, bricks and debris, moist to very moist, brown	No Petroleum Odors No Hnu Readings
7	(Lots of Debris (wood, plaster, concrete and pipes) and Brick)	
8		
9	Gravel, clayey, sandy, very moist, brown (Weathered Bedrock)	
10	End of Test Pit	
11		
12		
13		
14		
15		

* depth is feet below grade

Greystone Environmental, LLC

TEST PIT LOG
Excavation No. TP-17

Project Name: Richmond Avenue	Project No.: 9904105P	Date & Time Started: 10/27/99 - 8:00
Project Location: Lockport, New York	Client: Greater Lockport Development Corp.	Date & Time Completed: 10/27/99 - 8:30
Excavation Equipment:Ford 555C Backhoe	Operator: Mike	Elevation & Datum:
Company: Town of Lockport		Completion Depth:4.0'
Greystone Inspector: David W. Myers		Depth to Water: Not Applicable
Test Pit No. TP-17		Depth to Rock: Not Applicable

Depth*	Soil Description	Comments
1	Concrete (4") and Sand Leveler (4")	
2		
3	Fill (Man-Made) Cobble and Boulder Limestone Rock Fill with	No Petroleum Odors No Hnu Readings
4	associated fire related debris, including beams, pipes, plumbing, concrete and electrical wire	
5	End of Test Pit due to presence of sewer line that was unknown whether active or not.	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

* depth is feet below grade

Greystone Environmental, LLC

TEST PIT LOG
Excavation No. TP-18

Project Name: Richmond Avenue	Project No.: 9904105P	Date & Time Started: 10/27/99 - 8:00
Project Location: Lockport, New York	Client: Greater Lockport Development Corp.	Date & Time Completed: 10/27/99 - 8:30
Excavation Equipment:Ford 555C Backhoe	Operator: Mike	Elevation & Datum:
Company: Town of Lockport		Completion Depth:4.0'
Greystone Inspector: David W. Myers		Depth to Water: Not Applicable
Test Pit No. TP-18		Depth to Rock: Not Applicable

Depth*	Soil Description	Comments
1	Concrete (4") and Sand Leveler (4")	
2		
3	Fill (Man-Made) Cobble and Boulder Limestone Rock Fill with	No Petroleum Odors No Hnu Readings
4	associated fire related debris	
5	End of Test Pit due to caving of cobbles and boulders	
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

* depth is feet below grade

Greystone Environmental, LLC

TEST PIT LOG
Excavation No. TP-19

Project Name: Richmond Avenue	Project No.: 9904105P	Date & Time Started: 10/27/99 - 8:00
Project Location: Lockport, New York	Client: Greater Lockport Development Corp.	Date & Time Completed: 10/27/99 - 8:30
Excavation Equipment:Ford 555C Backhoe	Operator: Mike	Elevation & Datum:
Company: Town of Lockport		Completion Depth:9.0'
Greystone Inspector: David W. Myers		Depth to Water: Not Applicable
Test Pit No. TP-19		Depth to Rock: Not Applicable

Depth*	Soil Description	Comments
1	Concrete (4") and Sand Leveler (4")	
2		
3	Fill (Man-Made) Cobble and Boulder Limestone Rock Fill with	
4	associated fire related debris	
5		
6		No Petroleum Odors No Hnu Readings
7		
8		
9	Gravel, clayey, sandy, very moist, brown (Weathered Bedrock)	
10	End of Test Pit	
11		
12		
13		
14		
15		

* depth is feet below grade

Greystone Environmental, LLC

TEST PIT LOG
Excavation No. TP-20

Project Name: Richmond Avenue	Project No.: 9904105P	Date & Time Started: 10/27/99 - 8:00
Project Location: Lockport, New York	Client: Greater Lockport Development Corp.	Date & Time Completed: 10/27/99 - 8:30
Excavation Equipment:Ford 555C Backhoe	Operator: Mike	Elevation & Datum:
Company: Town of Lockport		Completion Depth:4.0'
Greystone Inspector: David W. Myers		Depth to Water: Not Applicable
Test Pit No. TP-20		Depth to Rock: Not Applicable

Depth*	Soil Description	Comments
1	Concrete (4") and Sand Leveler (4")	
2		
3	Weathered Limestone Bedrock	No Petroleum Odors No Hnu Readings
4		Hydraulic Piston to 5.0'
5		Bedded in Clean Silty Fine Sand No Petroleum Odor or Staining
6		No Hnu Reading
7	End of Test Pit	
8		
9		
10		
11		
12		
13		
14		
15		

* depth is feet below grade

Greystone Environmental, LLC

TEST PIT LOG
Excavation No. TP-21

Project Name: Richmond Avenue	Project No.: 9904105P	Date & Time Started: 10/27/99 - 8:00
Project Location: Lockport, New York	Client: Greater Lockport Development Corp.	Date & Time Completed: 10/27/99 - 8:30
Excavation Equipment:Ford 555C Backhoe	Operator: Mike	Elevation & Datum:
Company: Town of Lockport		Completion Depth:5.0'
Greystone Inspector: David W. Myers		Depth to Water: Not Applicable
Test Pit No. TP-21		Depth to Rock: Not Applicable

Depth*	Soil Description	Comments
1	Crushed Stone (4") Fill - Sand, silty, moist, black (Hnu Readings 10-30 ppm)	Petroleum Stained with Odors
2	Clay, gravelly, moist, brown (Colluvium)	
3	Weathered Limestone Bedrock	No Petroleum Odor
4		No Hnu Reading
5		
6	End of Test Pit	
7		
8		
9		
10		
11		
12		
13		
14		
15		

* depth is feet below grade

Greystone Environmental, LLC

TEST PIT LOG
Excavation No. TP-22

Project Name: Richmond Avenue	Project No.: 9904105P	Date & Time Started: 10/27/99 - 8:00
Project Location: Lockport, New York	Client: Greater Lockport Development Corp.	Date & Time Completed: 10/27/99 - 8:30
Excavation Equipment:Ford 555C Backhoe	Operator: Mike	Elevation & Datum:
Company: Town of Lockport		Completion Depth:8.0'
Greystone Inspector: David W. Myers		Depth to Water: Not Applicable
Test Pit No. TP-22		Depth to Rock: Not Applicable

Depth*	Soil Description	Comments
1		
2		
3	Fill - (Man-Made) Gravel and Sand, clayey, silty, cobbles and	No Petroleum Odor
4	boulders, moist, red-brown and greenish-brown	No Hnu Reading
5		
6		
7		
8		
9	End of Test Pit - Due to Caving of cobbles and boulders	
10		
11		
12		
13		
14		
15		

* depth is feet below grade

ATTACHMENT 4

ANALYTICAL RESULTS

TABLE 1
Soil Sample Analytical Results Summary
Volatile Organic Compounds
GLDC Richmond Avenue Project

Parameter	Method	Sample Identification							NYS Cleanup Criteria - Memo HWR-94-4046*	NYS DEC Guidance Values STARS Memo # 1**
		TP-6@1-2'	TP-8@1.5-2.5'	TP-9@5.0'	TP-12@3-6'(#)	TP-16@3-6'(#)	TP-21@0.5'-1.5'	TB-3@9-10'		
Acetone	EPA 8260B	<10	<10	<40	NA	NA	<40	<10	200	NA
Benzene	EPA 8260B	<5	<5	<20	<5	<5	<20	<5	60	14
Bromodichloromethane	EPA 8260B	<5	<5	<20	NA	NA	<20	<5	NA	NA
Bromoform	EPA 8260B	<5	<5	<20	NA	NA	<20	<5	NA	NA
Bromomethane	EPA 8260B	<5	<5	<20	NA	NA	<20	<5	NA	NA
2-Butanone (MEK)	EPA 8260B	<10	<10	<40	NA	NA	<40	<10	300	NA
Carbon Disulfide	EPA 8260B	<5	<5	<20	NA	NA	<20	<5	2,700	NA
Carbon Tetrachloride	EPA 8260B	<5	<5	<20	NA	NA	<20	<5	600	NA
Chlorobenzene	EPA 8260B	<5	<5	<20	NA	NA	<20	<5	1,700	NA
Chloroethane	EPA 8260B	<5	<5	<20	NA	NA	<20	<5	1,900	NA
Chloroform	EPA 8260B	<5	<5	<20	NA	NA	<20	<5	300	NA
Chloromethane	EPA 8260B	<5	<5	<20	NA	NA	<20	<5	NA	NA
Dibromochloromethane	EPA 8260B	<5	<5	<20	NA	NA	<20	<5	NA	NA
1,1-Dichloroethane	EPA 8260B	<5	<5	<20	NA	NA	<20	<5	200	NA
1,2-Dichloroethane	EPA 8260B	<5	<5	<20	NA	NA	<20	<5	100	NA
1,1-Dichloroethene	EPA 8260B	<5	<5	<20	NA	NA	<20	<5	400	NA
1,2-Dichloroethene (Total)	EPA 8260B	<5	<5	<20	NA	NA	<20	<5	300	NA
1,2-Dichloropropane	EPA 8260B	<5	<5	<20	NA	NA	<20	<5	NA	NA
cis-1,3-Dichloropropane	EPA 8260B	<5	<5	<20	NA	NA	<20	<5	300	NA
trans-1,3-Dichloropropane	EPA 8260B	<5	<5	<20	NA	NA	<20	<5	NA	NA
Ethyl benzene	EPA 8260B	<5	<5	70	<5	<5	<20	<5	5,500	NA
2-Hexanone	EPA 8260B	<10	<10	<40	NA	NA	<40	<10	NA	NA
Methylene chloride	EPA 8260B	<10	<10	<40	NA	NA	<40	<10	100	NA
4-Methyl-2-pentanone(MIBK)	EPA 8260B	<10	<10	<40	NA	NA	<40	<10	1,000	NA
Styrene	EPA 8260B	<5	<5	<20	NA	NA	<20	<5	NA	NA
1,1,2,2-Tetrachloroethane	EPA 8260B	<5	<5	<20	NA	NA	<20	<5	600	NA
Tetrachloroethene	EPA 8260B	<5	<5	<20	NA	NA	<20	<5	1,400	NA
Toluene	EPA 8260B	<5	<5	<20	<5	<5	<20	<5	1,500	100

Comments:
All values are reported in ug/kg - parts per billion (ppb).
Analytical Facility - Life Sciences Laboratory - East Syracuse, New York.
Values in **BOLD** exceed given standard
NA = Not Applicable
* = Appendix A; Table 1; - Recommended Soil Cleanup Objective
** = TCLP Alternative Guidance Value
(#) = Analyses by NYSDEC STARS 8021

Sampling Event: 10/26-28/99

TABLE 1 (continued)
Soil Sample Analytical Results Summary
Volatile Organic Compounds
GLDC Richmond Avenue Project

Parameter	Method	Sample Identification							NYS Cleanup Criteria - Memo HWR-94-4046*	NYS DEC Guidance Values STARS Memo # 1**
		TP-6@1-2'	TP-8@1.5-2.5'	TP-9@5.0'	TP-12@3-6'(#)	TP-16@3-6'(#)	TP-21@0.5'-1.5'	TB-3@9-10'		
1,1,1-Trichloroethane	EPA 8260B	<5	<5	<20	NA	NA	<20	<5	800	NA
1,1,2-Trichloroethane	EPA 8260B	<5	<5	<20	NA	NA	<20	<5	NA	NA
Trichloroethene	EPA 8260B	<5	<5	<20	NA	NA	<20	<5	700	NA
Vinyl Chloride	EPA 8260B	<5	<5	<20	NA	NA	<20	<5	200	NA
Xylenes (Total)	EPA 8260B	<5	<5	99	<5	<5	<20	<5	1200	100
n-Butylbenzene	STARS 8021	NA	NA	NA	<5	<5	NA	NA	NA	100
sec-Butylbenzene	STARS 8021	NA	NA	NA	<5	<5	NA	NA	NA	100
tert-Butylbenzene	STARS 8021	NA	NA	NA	<5	<5	NA	NA	NA	100
Isopropylbenzene	STARS 8021	NA	NA	NA	<5	<5	NA	NA	NA	100
4-Isopropylbenzene	STARS 8021	NA	NA	NA	<5	<5	NA	NA	NA	100
MTBE	STARS 8021	NA	NA	NA	<5	<5	NA	NA	NA	1,000
Naphthalene	STARS 8021	NA	NA	NA	<5	<5	NA	NA	NA	200
n-Propylbenzene	STARS 8021	NA	NA	NA	<5	<5	NA	NA	NA	100
1,2,4-Trimethylbenzene	STARS 8021	NA	NA	NA	<5	<5	NA	NA	NA	100
1,3,5-Trimethylbenzene	STARS 8021	NA	NA	NA	<5	<5	NA	NA	NA	100

Comments: All values are reported in ug/kg - parts per billion (ppb).
Analytical Facility - Life Sciences Laboratory - East Syracuse, New York.
Values in **BOLD** exceed given standard
NA = Not Applicable
* = Appendix A; Table 1; - Recommended Soil Cleanup Objective
** = TCLP Alternative Guidance Value
(#) = Analyses by NYSDEC STARS 8021

Sampling Event: 10/26-28/99

Table 2
Soil Sample Analytical Results Summary
Semi-Volatile Organic Compounds
GLDC Richmond Avenue Project

Parameter	Method	Sample Identification					
		TP-4@7.0'	TP-6@1-2'	TP-9@5.0'	TP-21@.5-1.5'	NYS Cleanup Criteria - Memo HWR-94-4046*	NYS DEC Guidance Values STARS Memo #1**
Acenaphthene	EPA 8270 (B/N)	<0.2	<0.2	<0.2	<2	50	0
Acenaphthylene	EPA 8270 (B/N)	<0.2	<0.2	<0.2	<2	41	NA
Anthracene	EPA 8270 (B/N)	<0.2	<0.2	<0.2	<2	50	1
Benzo(a)anthracene	EPA 8270 (B/N)	<0.2	0.2	<0.2	**3.6**	0.224	NA/TCLP
Benzo(b)fluoranthene	EPA 8270 (B/N)	<0.2	**0.34**	<0.2	**6.5**	0.061	NA/TCLP
Benzo(k)fluoranthene	EPA 8270 (B/N)	<0.2	<0.2	<0.2	**2.5**	1.1	NA/TCLP
Benzo(ghi)perylene	EPA 8270 (B/N)	<0.2	<0.2	<0.2	<2	50	NA/TCLP
Benzo(a)pyrene	EPA 8270 (B/N)	<0.2	0.21	<0.2	**4.4**	1.1	NA/TCLP
4-Bromophenyl-phenether	EPA 8270 (B/N)	<0.2	<0.2	<0.2	<2	NA	NA
Butylbenzylphthalate	EPA 8270 (B/N)	<0.2	<0.2	<0.2	<2	50	NA
Carbazole	EPA 8270 (B/N)	<0.2	<0.2	<0.2	<2	NA	NA
4-Chloroaniline	EPA 8270 (B/N)	<0.2	<0.2	<0.2	<2	NA	NA
bis(2-chloroethoxy)methane	EPA 8270 (B/N)	<0.2	<0.2	<0.2	<2	NA	NA
bis(2-chloroethyl)ether	EPA 8270 (B/N)	<0.2	<0.2	<0.2	<2	NA	NA
2-Chloronaphthalene	EPA 8270 (B/N)	<0.2	<0.2	<0.2	<2	NA	NA
4-Chlorophenyl-phenylether	EPA 8270 (B/N)	<0.2	<0.2	<0.2	<2	NA	NA
Chrysene	EPA 8270 (B/N)	<0.2	0.27	<0.2	**5.2**	0.4	NA/TCLP
Dibenzo(a,h)anthracene	EPA 8270 (B/N)	<0.2	<0.2	<0.2	<2	0.014	1
Dibenzofuran	EPA 8270 (B/N)	<0.2	<0.2	<0.2	<2	6.2	NA
Di-n-butylphthalate	EPA 8270 (B/N)	<0.2	<0.2	<0.2	<2	8.1	NA
1,2Dichlorobenzene	EPA 8270 (B/N)	<0.2	<0.2	<0.2	<2	NA	NA
1,3Dichlorobenzene	EPA 8270 (B/N)	<0.2	<0.2	<0.2	<2	NA	NA
1,4Dichlorobenzene	EPA 8270 (B/N)	<0.2	<0.2	<0.2	<2	NA	NA
3,3'Dichlorobenzene	EPA 8270 (B/N)	<0.4	<0.4	<0.4	<4	NA	NA
Diethylphthlate	EPA 8270 (B/N)	<0.2	<0.2	<0.2	<2	7.1	NA
Dimethylphlate	EPA 8270 (B/N)	<0.2	<0.2	<0.2	<2	2	NA

Comments: All Values are reported in mg/kg - parts per million (ppm).
Analytical Facility - Life Sciences Laboratory - East Syracuse, New York.
Values in **BOLD** exceed HWR-94-4046.
NA = Not Applicable
NA/TCLP = Only applicable using TCLP methodology
* = Appendix A; Table 2; - Recemmended Soil cleanup Objective
** = TCLP Alternative Guidance Value

Sampling Event: 10/26-28/99

Table 2 (continued)
Soil Sample Analytical Results Summary
Semi-Volatile Organic Compounds
GLDC Richmond Avenue Project

Parameter	Method	Sample Identification				NYS Cleanup Criteria - Memo HWR-94-4046*	NYS DEC Guidance Values STARS Memo #1**
		TP-4@7.0'	TP-6@1-2'	TP-9@5.0'	TP-21@.5-1.5'		
2,4-Dinitrotoluene	EPA 8270 (B/N)	<0.2	<0.2	<0.2	<2	NA	NA
2,6 -Dinitrotoluene	EPA 8270 (B/N)	<0.2	<0.2	<0.2	<2	NA	NA
Di-n-octylphthalate	EPA 8270 (B/N)	<0.2	<0.2	<0.2	<2	50	NA
bis(2-Ethylhexyl)phthalate	EPA 8270 (B/N)	<0.2	<0.2	<0.2	<2	50	NA
Fluoranthene	EPA 8270 (B/N)	<0.2	0.45	<0.2	7.5	50	1
Fluorene	EPA 8270 (B/N)	<0.2	<0.2	<0.2	<2	50	1
Hexochlorobenzene	EPA 8270 (B/N)	<0.2	<0.2	<0.2	<2	0.41	NA
Hexochlorobutadiene	EPA 8270 (B/N)	<0.2	<0.2	<0.2	<2	NA	NA
Hexochlorocyclopentadiene	EPA 8270 (B/N)	<0.2	<0.2	<0.2	<2	NA	NA
Hexochloroethane	EPA 8270 (B/N)	<0.2	<0.2	<0.2	<2	NA	NA
Indeno(1,2,3-c,d)pyrene	EPA 8270 (B/N)	<0.2	<0.2	<0.2	<2	3.2	NA/TCLP
Isophorene	EPA 8270 (B/N)	<0.2	<0.2	<0.2	<2	4.4	NA
2-Methylnapthalene	EPA 8270 (B/N)	<0.2	<0.2	<0.2	<2	36.4	NA
Napthalene	EPA 8270 (B/N)	<0.2	<0.2	<0.2	<2	13	NA
2-Nitroanaline	EPA 8270 (B/N)	<0.4	<0.4	<0.4	<2	0.43	NA
3-Nitroanaline	EPA 8270 (B/N)	<0.4	<0.4	<0.4	<2	0.5	NA
4-Nitroanaline	EPA 8270 (B/N)	<0.4	<0.4	<0.4	<2	NA	NA
Nitrobenzene	EPA 8270 (B/N)	<0.2	<0.2	<0.2	<2	0.2	NA
N-Nitrosediphanyiamine	EPA 8270 (B/N)	<0.2	<0.2	<0.2	<2	NA	NA
N-Nitro-di-n-propylamine	EPA 8270 (B/N)	<0.2	<0.2	<0.2	<2	NA	NA
Phenathrene	EPA 8270 (B/N)	<0.2	0.36	<0.2	4.9	50	1
Pyrene	EPA 8270 (B/N)	<0.2	0.36	<0.2	6.4	50	1
1,2,4-Trichlorobenzene	EPA 8270 (B/N)	<0.2	<0.2	<0.2	<2	NA	NA

Comments: All Values are reported in mg/kg - parts per million (ppm).
Analytical Facility - Life Sciences Laboratory - East Syracuse, New York.
Values in **BOLD** exceed HWR-94-4046.
NA = Not Applicable
NA/TCLP = Only applicable using TCLP methodology
* = Appendix A; Table 2; - Recemmended Soil cleanup Objective
** = TCLP Alternative Guidance Value

Sampling Event: 10/26-28/99

Table 3
Soil Sample Analytical Results Summary
Inorganic and PCB Analyses
GLDC Richmond Avenue Project

Parameter	Method	Sample Identification					
		TP-1@3.0-6.0'	TP-6@1.0-2.0'	TP-8@1.5-2.5'	TP-9@5.0'	TP-13@.5-1.5'	NYS Cleanup Criteria - Memo HWR-94-4046*
Arsenic	EPA 6010	**31**	<10	<9	<8	**18**	7.5
Barium	EPA 6010	98	97	120	62	**410**	300
Cadmium	EPA 6010	<1	**2.4**	**2.3**	<0.8	**4.5**	1 (10)
Chromium	EPA 6010	7.9	**15**	7.3	8.1	**16**	10 (50)
Lead	EPA 6010	56	330	220	77	65	400
Selenium	EPA 6010	<1	**50**	**65**	**40**	**8**	2
Silver	EPA 6010	<1	<1	<0.9	<0.8	<1	1
Mercury	EPA 7471	<0.08	**0.46**	**0.26**	0.1	<0.08	0.1
Aroclor-1016	EPA 8082	<0.2	<0.2	<0.2	<0.2	<0.2	10
Aroclor-1221	EPA 8082	<0.2	<0.2	<0.2	<0.2	<0.2	10
Aroclor-1232	EPA 8082	<0.2	<0.2	<0.2	<0.2	<0.2	10
Aroclor-1242	EPA 8082	<0.2	<0.2	<0.2	<0.2	<0.2	10
Aroclor-1248	EPA 8082	<0.2	<0.2	<0.2	<0.2	<0.2	10
Aroclor-1254	EPA 8082	<0.2	<0.2	<0.2	<0.2	<0.2	10
Aroclor-1260	EPA 8082	<0.2	<0.2	<0.2	<0.2	<0.2	10
Cyanide-Total	EPA 9010	<0.2	<0.2	<0.2	<0.2	<0.2	NA

Comments: All values are reported in mg/kg - parts per million (ppm).
Analytical Facility - Life Sciences Laboratory - East Syracuse, New York.
Values in **BOLD** exceed given standard
NA=Not Applicable
* = Appendix A; Tables 3 and 4; - Recommended Soil Cleanup Objective
Note: NYSDEC technology section recommends values for Cadmium and Chromium of 10 ppm and 50 ppm, respectively.

Sampling Event: 10/26-28/99

Table 3 (continued)
Soil Sample Analytical Results Summary
Inorganic and PCB Analyses
GLDC Richmond Avenue Project

Parameter	Method	Sample Identification				
		TP-15@3-6'	TP-19@3-6'	TP-21@0.5-1.5'	Zimmies	NYS Cleanup Criteria - Memo HWR-94-4046*
Arsenic	EPA 6010	<8	<9	**23**	<10	7.5
Barium	EPA 6010	97	28	**1300**	100	300
Cadmium	EPA 6010	<0.8	<0.9	**6.1**	1	1 (10)
Chromium	EPA 6010	7.2	4.2	**12**	8.4	10 (50)
Lead	EPA 6010	120	36	**860**	22	400
Selenium	EPA 6010	**60**	**45**	**2.2**	**65**	2
Silver	EPA 6010	<0.8	<0.9	**2.6**	<1	1
Mercury	EPA 7471	<0.1	<0.1	**0.75**	<0.08	0.1
Aroclor-1016	EPA 8082	<0.2	<0.2	<0.2	<0.2	10
Aroclor-1221	EPA 8082	<0.2	<0.2	<0.2	<0.2	10
Aroclor-1232	EPA 8082	<0.2	<0.2	<0.2	<0.2	10
Aroclor-1242	EPA 8082	<0.2	<0.2	<0.2	<0.2	10
Aroclor-1248	EPA 8082	<0.2	<0.2	<0.2	<0.2	10
Aroclor-1254	EPA 8082	<0.2	<0.2	<0.2	<0.2	10
Aroclor-1260	EPA 8082	<0.2	<0.2	<0.2	<0.2	10
Cyanide-Total	EPA 9010	<0.2	<0.2	<0.2	<0.2	NA

Comments: All values are reported in mg/kg - parts per million (ppm).
Analytical Facility - Life Sciences Laboratory - East Syracuse, New York.
Values in **BOLD** exceed given standard
NA=Not Applicable
* = Appendix A; Tables 3 and 4; - Recommended Soil Cleanup Objective
Note: NYSDEC technology section recommends values for Cadmium and Chromium of 10 ppm and 50 ppm, respectively.

Sampling Event: 10/26-28/99

ATTACHMENT 5

LABORATORY RESULTS

LSL

Laboratory Analysis Report

For

Greystone Environmental, LLC

Project Number: 9904105P

LSL Project Number: 9908516

alex sutton QAO 11/11/99

Reviewed By **Date**

Life Science Laboratories, Inc.

5854 Butternut Drive, East Syracuse, New York 13057 Telephone: (315) 445-1105 Telefax: (315) 445-1301

NYS DOH ELAP No. 10248

-- LABORATORY ANALYSIS REPORT --

Greystone Environmental, LLC
104 Jamesville Road
Syracuse, NY 13214

Attn: Mr. James Blasting
Phone: (315) 445-0224
FAX: (315) 445-0793

Sample ID: TP-1 @ 3.0-6.0'

Project No.: 9904105P
Source: Richmond Avenue, Lockport
LSL Sample ID: 9908516-001
Sample Matrix: SHW

Authorization:
LSL Project No.: 9908516
Date Sampled: 10/26/99
Report Date: 11/11/99

Analytical Method / Parameter(s)	Results	Units	Analysis Date	Comment
EPA 6010 RCRA Metals				
Arsenic	31	mg/kg	11/9/99	
Barium	98	mg/kg	11/9/99	
Cadmium	<1	mg/kg	11/9/99	
Chromium	7.9	mg/kg	11/9/99	
Lead	56	mg/kg	11/9/99	
Selenium	<1	mg/kg	11/9/99	
Silver	<1	mg/kg	11/9/99	
EPA 7471 Mercury				
Mercury	<0.08	mg/kg	11/10/99	
EPA 8082 PCB's				
Aroclor-1016	<0.2	mg/kg	11/2/99	
Aroclor-1221	<0.2	mg/kg	11/2/99	
Aroclor-1232	<0.2	mg/kg	11/2/99	
Aroclor-1242	<0.2	mg/kg	11/2/99	
Aroclor-1248	<0.2	mg/kg	11/2/99	
Aroclor-1254	<0.2	mg/kg	11/2/99	
Aroclor-1260	<0.2	mg/kg	11/2/99	
EPA 9010 Total Cyanide				
Cyanide, Total	<0.20	mg/kg	11/10/99	

-- LABORATORY ANALYSIS REPORT --

Greystone Environmental, LLC
104 Jamesville Road
Syracuse, NY 13214

Attn: Mr. James Blasting
Phone: (315) 445-0224
FAX: (315) 445-0793

Sample ID: TP-4 @ 7.0'

Project No.: 9904105P
Source: Richmond Avenue, Lockport
LSL Sample ID: 9908516-002
Sample Matrix: SHW

Authorization:
LSL Project No.: 9908516
Date Sampled: 10/26/99
Report Date: 11/11/99

Analytical Method Parameter(s)	Results	Units	Analysis Date	Comment
EPA 8270 TCL Semi-Volatiles (B/N)				
Acenaphthene	<0.2	mg/kg	11/3/99	
Acenaphthylene	<0.2	mg/kg	11/3/99	
Anthracene	<0.2	mg/kg	11/3/99	
Benzo(a)anthracene	<0.2	mg/kg	11/3/99	
Benzo(b)fluoranthene	<0.2	mg/kg	11/3/99	
Benzo(k)fluoranthene	<0.2	mg/kg	11/3/99	
Benzo(ghi)perylene	<0.2	mg/kg	11/3/99	
Benzo(a)pyrene	<0.2	mg/kg	11/3/99	
4-Bromophenyl-phenylether	<0.2	mg/kg	11/3/99	
Butylbenzylphthalate	<0.2	mg/kg	11/3/99	
Carbazole	<0.2	mg/kg	11/3/99	
4-Chloroaniline	<0.2	mg/kg	11/3/99	
bis(2-Chloroethoxy)methane	<0.2	mg/kg	11/3/99	
bis(2-Chloroethyl)ether	<0.2	mg/kg	11/3/99	
2-Chloronaphthalene	<0.2	mg/kg	11/3/99	
4-Chlorophenyl-phenylether	<0.2	mg/kg	11/3/99	
Chrysene	<0.2	mg/kg	11/3/99	
Dibenz(a,h)anthracene	<0.2	mg/kg	11/3/99	
Dibenzofuran	<0.2	mg/kg	11/3/99	
Di-n-butylphthalate	<0.2	mg/kg	11/3/99	
1,2-Dichlorobenzene	<0.2	mg/kg	11/3/99	
1,3-Dichlorobenzene	<0.2	mg/kg	11/3/99	
1,4-Dichlorobenzene	<0.2	mg/kg	11/3/99	
3,3'-Dichlorobenzidine	<0.4	mg/kg	11/3/99	
Diethylphthalate	<0.2	mg/kg	11/3/99	
Dimethylphthalate	<0.2	mg/kg	11/3/99	
2,4-Dinitrotoluene	<0.2	mg/kg	11/3/99	
2,6-Dinitrotoluene	<0.2	mg/kg	11/3/99	

Life Science Laboratories, Inc.
5854 Butternut Drive, East Syracuse, New York 13057 Telephone: (315) 445-1105 Telefax: (315) 445-1301
NYS DOH ELAP No. 10248

-- LABORATORY ANALYSIS REPORT --

Greystone Environmental, LLC
104 Jamesville Road
Syracuse, NY 13214

Attn: Mr. James Blasting
Phone: (315) 445-0224
FAX: (315) 445-0793

Sample ID: TP-4 @ 7.0'

Project No.: 9904105P
Source: Richmond Avenue, Lockport
LSL Sample ID: 9908516-002
Sample Matrix: SHW

Authorization:
LSL Project No.: 9908516
Date Sampled: 10/26/99
Report Date: 11/11/99

Analytical Method Parameter(s)	Results	Units	Analysis Date	Comment
Di-n-octylphthalate	<0.2	mg/kg	11/3/99	
bis(2-Ethylhexyl)phthalate	<0.2	mg/kg	11/3/99	
Fluoranthene	<0.2	mg/kg	11/3/99	
Fluorene	<0.2	mg/kg	11/3/99	
Hexachlorobenzene	<0.2	mg/kg	11/3/99	
Hexachlorobutadiene	<0.2	mg/kg	11/3/99	
Hexachlorocyclopentadiene	<0.2	mg/kg	11/3/99	
Hexachloroethane	<0.2	mg/kg	11/3/99	
Indeno(1,2,3-c,d)pyrene	<0.2	mg/kg	11/3/99	
Isophorone	<0.2	mg/kg	11/3/99	
2-Methylnaphthalene	<0.2	mg/kg	11/3/99	
Naphthalene	<0.2	mg/kg	11/3/99	
2-Nitroaniline	<0.4	mg/kg	11/3/99	
3-Nitroaniline	<0.4	mg/kg	11/3/99	
4-Nitroaniline	<0.4	mg/kg	11/3/99	
Nitrobenzene	<0.2	mg/kg	11/3/99	
N-Nitrosodiphenylamine	<0.2	mg/kg	11/3/99	
N-Nitroso-di-n-propylamine	<0.2	mg/kg	11/3/99	
Phenanthrene	<0.2	mg/kg	11/3/99	
Pyrene	<0.2	mg/kg	11/3/99	
1,2,4-Trichlorobenzene	<0.2	mg/kg	11/3/99	
NYS-DEC STARS 8021 Volatiles*				
Benzene	<5	ug/kg	11/5/99	
n-Butylbenzene	13	ug/kg	11/5/99	
sec-Butylbenzene	16	ug/kg	11/5/99	
tert-Butylbenzene	<5	ug/kg	11/5/99	
Ethyl benzene	5.9	ug/kg	11/5/99	
Isopropylbenzene (Cumene)	20	ug/kg	11/5/99	
4-Isopropyl toluene (Cymene)	34	ug/kg	11/5/99	

-- LABORATORY ANALYSIS REPORT --

Greystone Environmental, LLC
104 Jamesville Road
Syracuse, NY 13214

Attn: Mr. James Blasting
Phone: (315) 445-0224
FAX: (315) 445-0793

Sample ID: TP-4 @ 7.0'

Project No.: 9904105P
Source: Richmond Avenue, Lockport
LSL Sample ID: 9908516-002
Sample Matrix: SHW

Authorization:
LSL Project No.: 9908516
Date Sampled: 10/26/99
Report Date: 11/11/99

Analytical Method Parameter(s)	Results	Units	Analysis Date	Comment
MTBE	<5	ug/kg	11/5/99	
Naphthalene	23	ug/kg	11/5/99	
N-Propylbenzene	<5	ug/kg	11/5/99	
Toluene	<5	ug/kg	11/5/99	
1,2,4-Trimethylbenzene	95	ug/kg	11/5/99	
1,3,5-Trimethylbenzene	140	ug/kg	11/5/99	
Xylenes (Total)	10	ug/kg	11/5/99	

**Analysis of this sample showed a significant concentration of a compound believed to be acetone.*

-- LABORATORY ANALYSIS REPORT --

Greystone Environmental, LLC
104 Jamesville Road
Syracuse, NY 13214

Attn: Mr. James Blasting
Phone: (315) 445-0224
FAX: (315) 445-0793

Sample ID: TP-5 @ 1.0'

Project No.: 9904105P
Source: Richmond Avenue, Lockport
LSL Sample ID: 9908516-003
Sample Matrix: SHW

Authorization:
LSL Project No.: 9908516
Date Sampled: 10/26/99
Report Date: 11/11/99

Analytical Method Parameter(s)	Results	Units	Analysis Date	Comment
EPA 8260B TCL Volatiles				
Acetone	<10	ug/kg	11/5/99	
Benzene	<5	ug/kg	11/5/99	
Bromodichloromethane	<5	ug/kg	11/5/99	
Bromoform	<5	ug/kg	11/5/99	
Bromomethane	<5	ug/kg	11/5/99	
2-Butanone (MEK)	<10	ug/kg	11/5/99	
Carbon disulfide	<5	ug/kg	11/5/99	
Carbon tetrachloride	<5	ug/kg	11/5/99	
Chlorobenzene	<5	ug/kg	11/5/99	
Chloroethane	<5	ug/kg	11/5/99	
Chloroform	<5	ug/kg	11/5/99	
Chloromethane	<5	ug/kg	11/5/99	
Dibromochloromethane	<5	ug/kg	11/5/99	
1,1-Dichloroethane	<5	ug/kg	11/5/99	
1,2-Dichloroethane	<5	ug/kg	11/5/99	
1,1-Dichloroethene	<5	ug/kg	11/5/99	
1,2-Dichloroethene, Total	<5	ug/kg	11/5/99	
1,2-Dichloropropane	<5	ug/kg	11/5/99	
cis-1,3-Dichloropropene	<5	ug/kg	11/5/99	
trans-1,3-Dichloropropene	<5	ug/kg	11/5/99	
Ethyl benzene	<5	ug/kg	11/5/99	
2-Hexanone	<10	ug/kg	11/5/99	
Methylene chloride	<10	ug/kg	11/5/99	
4-Methyl-2-pentanone (MIBK)	<10	ug/kg	11/5/99	
Styrene	<5	ug/kg	11/5/99	
1,1,2,2-Tetrachloroethane	<5	ug/kg	11/5/99	
Tetrachloroethene	<5	ug/kg	11/5/99	
Toluene	<5	ug/kg	11/5/99	

-- LABC..ATORY ANALYSIS REPORT --

Greystone Environmental, LLC
104 Jamesville Road
Syracuse, NY 13214

Attn: Mr. James Blasting
Phone: (315) 445-0224
FAX: (315) 445-0793

Sample ID: TP-5 @ 1.0'

Project No.: 9904105P
Source: Richmond Avenue, Lockport
LSL Sample ID: 9908516-003
Sample Matrix: SHW

Authorization:
LSL Project No.: 9908516
Date Sampled: 10/26/99
Report Date: 11/11/99

Analytical Method Parameter(s)	Results	Units	Analysis Date	Comment
1,1,1-Trichloroethane	<5	ug/kg	11/5/99	
1,1,2-Trichloroethane	<5	ug/kg	11/5/99	
Trichloroethene	<5	ug/kg	11/5/99	
Vinyl chloride	<5	ug/kg	11/5/99	
Xylenes (Total)	<5	ug/kg	11/5/99	

-- LABORATORY ANALYSIS REPORT --

Greystone Environmental, LLC
104 Jamesville Road
Syracuse, NY 13214

Attn: Mr. James Blasting
Phone: (315) 445-0224
FAX: (315) 445-0793

Sample ID: TP-6 @ 1.0-2.0'

Project No.: 9904105P
Source: Richmond Avenue, Lockport
LSL Sample ID: 9908516-004
Sample Matrix: SHW

Authorization:
LSL Project No.: 9908516
Date Sampled: 10/26/99
Report Date: 11/11/99

Analytical Method / Parameter(s)	Results	Units	Analysis Date	Comment
EPA 6010 RCRA Metals				
Arsenic	<10	mg/kg	11/9/99	(06)
(06) Elevated detection limit due to matrix interference.				
Barium	97	mg/kg	11/9/99	
Cadmium	2.4	mg/kg	11/9/99	
Chromium	15	mg/kg	11/9/99	
Lead	330	mg/kg	11/9/99	
Selenium	50	mg/kg	11/9/99	
Silver	<1	mg/kg	11/9/99	
EPA 7471 Mercury				
Mercury	0.46	mg/kg	11/10/99	
EPA 8082 PCB's				
Aroclor-1016	<0.2	mg/kg	11/2/99	
Aroclor-1221	<0.2	mg/kg	11/2/99	
Aroclor-1232	<0.2	mg/kg	11/2/99	
Aroclor-1242	<0.2	mg/kg	11/2/99	
Aroclor-1248	<0.2	mg/kg	11/2/99	
Aroclor-1254	<0.2	mg/kg	11/2/99	
Aroclor-1260	<0.2	mg/kg	11/2/99	
EPA 8260B TCL Volatiles				
Acetone	<10	ug/kg	11/5/99	
Benzene	<5	ug/kg	11/5/99	
Bromodichloromethane	<5	ug/kg	11/5/99	
Bromoform	<5	ug/kg	11/5/99	
Bromomethane	<5	ug/kg	11/5/99	
2-Butanone (MEK)	<10	ug/kg	11/5/99	
Carbon disulfide	<5	ug/kg	11/5/99	
Carbon tetrachloride	<5	ug/kg	11/5/99	
Chlorobenzene	<5	ug/kg	11/5/99	

Life Science Laboratories, Inc.
5854 Butternut Drive, East Syracuse, New York 13057 Telephone: (315) 445-1105 Telefax: (315) 445-1301
NYS DOH ELAP No. 10248

-- LAE RATORY ANALYSIS REPOF --

Greystone Environmental, LLC
104 Jamesville Road
Syracuse, NY 13214

Attn: Mr. James Blasting
Phone: (315) 445-0224
FAX: (315) 445-0793

Sample ID: TP-6 @ 1.0-2.0'

Project No.: 9904105P
Source: Richmond Avenue, Lockport
LSL Sample ID: 9908516-004
Sample Matrix: SHW

Authorization:
LSL Project No.: 9908516
Date Sampled: 10/26/99
Report Date: 11/11/99

Analytical Method Parameter(s)	Results	Units	Analysis Date	Comment
Chloroethane	<5	ug/kg	11/5/99	
Chloroform	<5	ug/kg	11/5/99	
Chloromethane	<5	ug/kg	11/5/99	
Dibromochloromethane	<5	ug/kg	11/5/99	
1,1-Dichloroethane	<5	ug/kg	11/5/99	
1,2-Dichloroethane	<5	ug/kg	11/5/99	
1,1-Dichloroethene	<5	ug/kg	11/5/99	
1,2-Dichloroethene, Total	<5	ug/kg	11/5/99	
1,2-Dichloropropane	<5	ug/kg	11/5/99	
cis-1,3-Dichloropropene	<5	ug/kg	11/5/99	
trans-1,3-Dichloropropene	<5	ug/kg	11/5/99	
Ethyl benzene	<5	ug/kg	11/5/99	
2-Hexanone	<10	ug/kg	11/5/99	
Methylene chloride	<10	ug/kg	11/5/99	
4-Methyl-2-pentanone (MIBK)	<10	ug/kg	11/5/99	
Styrene	<5	ug/kg	11/5/99	
1,1,2,2-Tetrachloroethane	<5	ug/kg	11/5/99	
Tetrachloroethene	<5	ug/kg	11/5/99	
Toluene	<5	ug/kg	11/5/99	
1,1,1-Trichloroethane	<5	ug/kg	11/5/99	
1,1,2-Trichloroethane	<5	ug/kg	11/5/99	
Trichloroethene	<5	ug/kg	11/5/99	
Vinyl chloride	<5	ug/kg	11/5/99	
Xylenes (Total)	<5	ug/kg	11/5/99	
EPA 8270 TCL Semi-Volatiles (B/N)				
Acenaphthene	<0.2	mg/kg	11/3/99	
Acenaphthylene	<0.2	mg/kg	11/3/99	
Anthracene	<0.2	mg/kg	11/3/99	
Benzo(a)anthracene	0.2	mg/kg	11/3/99	

- - LABO. ATORY ANALYSIS REPORT -

Greystone Environmental, LLC
104 Jamesville Road
Syracuse, NY 13214

Attn: Mr. James Blasting
Phone: (315) 445-0224
FAX: (315) 445-0793

Sample ID: TP-6 @ 1.0-2.0'

Project No.: 9904105P
Source: Richmond Avenue, Lockport
LSL Sample ID: 9908516-004
Sample Matrix: SHW

Authorization:
LSL Project No.: 9908516
Date Sampled: 10/26/99
Report Date: 11/11/99

Analytical Method Parameter(s)	Results	Units	Analysis Date	Comment
Benzo(b)fluoranthene	0.34	mg/kg	11/3/99	
Benzo(k)fluoranthene	<0.2	mg/kg	11/3/99	
Benzo(ghi)perylene	<0.2	mg/kg	11/3/99	
Benzo(a)pyrene	0.21	mg/kg	11/3/99	
4-Bromophenyl-phenylether	<0.2	mg/kg	11/3/99	
Butylbenzylphthalate	<0.2	mg/kg	11/3/99	
Carbazole	<0.2	mg/kg	11/3/99	
4-Chloroaniline	<0.2	mg/kg	11/3/99	
bis(2-Chloroethoxy)methane	<0.2	mg/kg	11/3/99	
bis(2-Chloroethyl)ether	<0.2	mg/kg	11/3/99	
2-Chloronaphthalene	<0.2	mg/kg	11/3/99	
4-Chlorophenyl-phenylether	<0.2	mg/kg	11/3/99	
Chrysene	0.27	mg/kg	11/3/99	
Dibenz(a,h)anthracene	<0.2	mg/kg	11/3/99	
Dibenzofuran	<0.2	mg/kg	11/3/99	
Di-n-butylphthalate	<0.2	mg/kg	11/3/99	
1,2-Dichlorobenzene	<0.2	mg/kg	11/3/99	
1,3-Dichlorobenzene	<0.2	mg/kg	11/3/99	
1,4-Dichlorobenzene	<0.2	mg/kg	11/3/99	
3,3'-Dichlorobenzidine	<0.4	mg/kg	11/3/99	
Diethylphthalate	<0.2	mg/kg	11/3/99	
Dimethylphthalate	<0.2	mg/kg	11/3/99	
2,4-Dinitrotoluene	<0.2	mg/kg	11/3/99	
2,6-Dinitrotoluene	<0.2	mg/kg	11/3/99	
Di-n-octylphthalate	<0.2	mg/kg	11/3/99	
bis(2-Ethylhexyl)phthalate	<0.2	mg/kg	11/3/99	
Fluoranthene	0.45	mg/kg	11/3/99	
Fluorene	<0.2	mg/kg	11/3/99	
Hexachlorobenzene	<0.2	mg/kg	11/3/99	
Hexachlorobutadiene	<0.2	mg/kg	11/3/99	

- - LABORATORY ANALYSIS REPORT - -

Greystone Environmental, LLC
104 Jamesville Road
Syracuse, NY 13214

Attn: Mr. James Blasting
Phone: (315) 445-0224
FAX: (315) 445-0793

Sample ID: TP-6 @ 1.0-2.0'

Project No.: 9904105P
Source: Richmond Avenue, Lockport
LSL Sample ID: 9908516-004
Sample Matrix: SHW

Authorization:
LSL Project No.: 9908516
Date Sampled: 10/26/99
Report Date: 11/11/99

Analytical Method / Parameter(s)	Results	Units	Analysis Date	Comment
Hexachlorocyclopentadiene	<0.2	mg/kg	11/3/99	
Hexachloroethane	<0.2	mg/kg	11/3/99	
Indeno(1,2,3-c,d)pyrene	<0.2	mg/kg	11/3/99	
Isophorone	<0.2	mg/kg	11/3/99	
2-Methylnaphthalene	<0.2	mg/kg	11/3/99	
Naphthalene	<0.2	mg/kg	11/3/99	
2-Nitroaniline	<0.4	mg/kg	11/3/99	
3-Nitroaniline	<0.4	mg/kg	11/3/99	
4-Nitroaniline	<0.4	mg/kg	11/3/99	
Nitrobenzene	<0.2	mg/kg	11/3/99	
N-Nitrosodiphenylamine	<0.2	mg/kg	11/3/99	
N-Nitroso-di-n-propylamine	<0.2	mg/kg	11/3/99	
Phenanthrene	0.36	mg/kg	11/3/99	
Pyrene	0.36	mg/kg	11/3/99	
1,2,4-Trichlorobenzene	<0.2	mg/kg	11/3/99	
EPA 9010 Total Cyanide				
Cyanide, Total	<0.30	mg/kg	11/10/99	

-- LABORATORY ANALYSIS REPORT --

Greystone Environmental, LLC
104 Jamesville Road
Syracuse, NY 13214

Attn: Mr. James Blasting
Phone: (315) 445-0224
FAX: (315) 445-0793

Sample ID: TP-8 @ 1.5-2.5'

Project No.: 9904105P
Source: Richmond Avenue, Lockport
LSL Sample ID: 9908516-005
Sample Matrix: SHW

Authorization:
LSL Project No.: 9908516
Date Sampled: 10/26/99
Report Date: 11/11/99

Analytical Method / Parameter(s)	Results	Units	Analysis Date	Comment
EPA 6010 RCRA Metals				
Arsenic	<9	mg/kg	11/9/99	(06)
(06) Elevated detection limit due to matrix interference.				
Barium	120	mg/kg	11/9/99	
Cadmium	2.3	mg/kg	11/9/99	
Chromium	7.3	mg/kg	11/9/99	
Lead	220	mg/kg	11/9/99	
Selenium	65	mg/kg	11/9/99	
Silver	<0.9	mg/kg	11/9/99	
EPA 7471 Mercury				
Mercury	0.26	mg/kg	11/10/99	
EPA 8082 PCB's				
Aroclor-1016	<0.2	mg/kg	11/2/99	
Aroclor-1221	<0.2	mg/kg	11/2/99	
Aroclor-1232	<0.2	mg/kg	11/2/99	
Aroclor-1242	<0.2	mg/kg	11/2/99	
Aroclor-1248	<0.2	mg/kg	11/2/99	
Aroclor-1254	<0.2	mg/kg	11/2/99	
Aroclor-1260	<0.2	mg/kg	11/2/99	
EPA 8260B TCL Volatiles				
Acetone	<10	ug/kg	11/5/99	
Benzene	<5	ug/kg	11/5/99	
Bromodichloromethane	<5	ug/kg	11/5/99	
Bromoform	<5	ug/kg	11/5/99	
Bromomethane	<5	ug/kg	11/5/99	
2-Butanone (MEK)	<10	ug/kg	11/5/99	
Carbon disulfide	<5	ug/kg	11/5/99	
Carbon tetrachloride	<5	ug/kg	11/5/99	
Chlorobenzene	<5	ug/kg	11/5/99	

-- LABC ATORY ANALYSIS REPOR. --

Greystone Environmental, LLC
104 Jamesville Road
Syracuse, NY 13214

Attn: Mr. James Blasting
Phone: (315) 445-0224
FAX: (315) 445-0793

Sample ID: TP-8 @ 1.5-2.5'

Project No.: 9904105P
Source: Richmond Avenue, Lockport
LSL Sample ID: 9908516-005
Sample Matrix: SHW

Authorization:
LSL Project No.: 9908516
Date Sampled: 10/26/99
Report Date: 11/11/99

Analytical Method / Parameter(s)	Results	Units	Analysis Date	Comment
Chloroethane	<5	ug/kg	11/5/99	
Chloroform	<5	ug/kg	11/5/99	
Chloromethane	<5	ug/kg	11/5/99	
Dibromochloromethane	<5	ug/kg	11/5/99	
1,1-Dichloroethane	<5	ug/kg	11/5/99	
1,2-Dichloroethane	<5	ug/kg	11/5/99	
1,1-Dichloroethene	<5	ug/kg	11/5/99	
1,2-Dichloroethene, Total	<5	ug/kg	11/5/99	
1,2-Dichloropropane	<5	ug/kg	11/5/99	
cis-1,3-Dichloropropene	<5	ug/kg	11/5/99	
trans-1,3-Dichloropropene	<5	ug/kg	11/5/99	
Ethyl benzene	<5	ug/kg	11/5/99	
2-Hexanone	<10	ug/kg	11/5/99	
Methylene chloride	<10	ug/kg	11/5/99	
4-Methyl-2-pentanone (MIBK)	<10	ug/kg	11/5/99	
Styrene	<5	ug/kg	11/5/99	
1,1,2,2-Tetrachloroethane	<5	ug/kg	11/5/99	
Tetrachloroethene	<5	ug/kg	11/5/99	
Toluene	<5	ug/kg	11/5/99	
1,1,1-Trichloroethane	<5	ug/kg	11/5/99	
1,1,2-Trichloroethane	<5	ug/kg	11/5/99	
Trichloroethene	<5	ug/kg	11/5/99	
Vinyl chloride	<5	ug/kg	11/5/99	
Xylenes (Total)	<5	ug/kg	11/5/99	
EPA 9010 Total Cyanide				
Cyanide, Total	0.59	mg/kg	11/10/99	

-- LABC ATORY ANALYSIS REPORT --

Greystone Environmental, LLC
104 Jamesville Road
Syracuse, NY 13214

Attn: Mr. James Blasting
Phone: (315) 445-0224
FAX: (315) 445-0793

Sample ID: TP-9 @ 5.0'

Project No.: 9904105P
Source: Richmond Avenue, Lockport
LSL Sample ID: 9908516-006
Sample Matrix: SHW

Authorization:
LSL Project No.: 9908516
Date Sampled: 10/26/99
Report Date: 11/11/99

Analytical Method / Parameter(s)	Results	Units	Analysis Date	Comment
EPA 6010 RCRA Metals				
Arsenic	<8	mg/kg	11/9/99	(06)
(06) Elevated detection limit due to matrix interference.				
Barium	62	mg/kg	11/9/99	
Cadmium	<0.8	mg/kg	11/9/99	
Chromium	8.1	mg/kg	11/9/99	
Lead	77	mg/kg	11/9/99	
Selenium	40	mg/kg	11/9/99	
Silver	<0.8	mg/kg	11/9/99	
EPA 7471 Mercury				
Mercury	0.10	mg/kg	11/10/99	
EPA 8082 PCB's				
Aroclor-1016	<0.2	mg/kg	11/2/99	
Aroclor-1221	<0.2	mg/kg	11/2/99	
Aroclor-1232	<0.2	mg/kg	11/2/99	
Aroclor-1242	<0.2	mg/kg	11/2/99	
Aroclor-1248	<0.2	mg/kg	11/2/99	
Aroclor-1254	<0.2	mg/kg	11/2/99	
Aroclor-1260	<0.2	mg/kg	11/2/99	
EPA 8260B TCL Volatiles				
Acetone	<40	ug/kg	11/5/99	
Benzene	<20	ug/kg	11/5/99	
Bromodichloromethane	<20	ug/kg	11/5/99	
Bromoform	<20	ug/kg	11/5/99	
Bromomethane	<20	ug/kg	11/5/99	
2-Butanone (MEK)	<40	ug/kg	11/5/99	
Carbon disulfide	<20	ug/kg	11/5/99	
Carbon tetrachloride	<20	ug/kg	11/5/99	
Chlorobenzene	<20	ug/kg	11/5/99	

-- LABORATORY ANALYSIS REPORT --

Greystone Environmental, LLC
104 Jamesville Road
Syracuse, NY 13214

Attn: Mr. James Blasting
Phone: (315) 445-0224
FAX: (315) 445-0793

Sample ID: TP-9 @ 5.0'

Project No.: 9904105P
Source: Richmond Avenue, Lockport
LSL Sample ID: 9908516-006
Sample Matrix: SHW

Authorization:
LSL Project No.: 9908516
Date Sampled: 10/26/99
Report Date: 11/11/99

Analytical Method Parameter(s)	Results	Units	Analysis Date	Comment
Chloroethane	<20	ug/kg	11/5/99	
Chloroform	<20	ug/kg	11/5/99	
Chloromethane	<20	ug/kg	11/5/99	
Dibromochloromethane	<20	ug/kg	11/5/99	
1,1-Dichloroethane	<20	ug/kg	11/5/99	
1,2-Dichloroethane	<20	ug/kg	11/5/99	
1,1-Dichloroethene	<20	ug/kg	11/5/99	
1,2-Dichloroethene, Total	<20	ug/kg	11/5/99	
1,2-Dichloropropane	<20	ug/kg	11/5/99	
cis-1,3-Dichloropropene	<20	ug/kg	11/5/99	
trans-1,3-Dichloropropene	<20	ug/kg	11/5/99	
Ethyl benzene	70	ug/kg	11/5/99	
2-Hexanone	<40	ug/kg	11/5/99	
Methylene chloride	<40	ug/kg	11/5/99	
4-Methyl-2-pentanone (MIBK)	<40	ug/kg	11/5/99	
Styrene	<20	ug/kg	11/5/99	
1,1,2,2-Tetrachloroethane	<20	ug/kg	11/5/99	
Tetrachloroethene	<20	ug/kg	11/5/99	
Toluene	<20	ug/kg	11/5/99	
1,1,1-Trichloroethane	<20	ug/kg	11/5/99	
1,1,2-Trichloroethane	<20	ug/kg	11/5/99	
Trichloroethene	<20	ug/kg	11/5/99	
Vinyl chloride	<20	ug/kg	11/5/99	
Xylenes (Total)	99	ug/kg	11/5/99	(6)

(6) Elevated detection limit due to matrix interference.

EPA 8270 TCL Semi-Volatiles (B/N)				
Acenaphthene	<0.2	mg/kg	11/3/99	
Acenaphthylene	<0.2	mg/kg	11/3/99	
Anthracene	<0.2	mg/kg	11/3/99	
Benzo(a)anthracene	<0.2	mg/kg	11/3/99	

Greystone Environmental, LLC
104 Jamesville Road
Syracuse, NY 13214

Attn: Mr. James Blasting
Phone: (315) 445-0224
FAX: (315) 445-0793

Sample ID: TP-9 @ 5.0'

Project No.: 9904105P
Source: Richmond Avenue, Lockport
LSL Sample ID: 9908516-006
Sample Matrix: SHW

Authorization:
LSL Project No.: 9908516
Date Sampled: 10/26/99
Report Date: 11/11/99

Analytical Method Parameter(s)	Results	Units	Analysis Date	Comment
Benzo(b)fluoranthene	<0.2	mg/kg	11/3/99	
Benzo(k)fluoranthene	<0.2	mg/kg	11/3/99	
Benzo(ghi)perylene	<0.2	mg/kg	11/3/99	
Benzo(a)pyrene	<0.2	mg/kg	11/3/99	
4-Bromophenyl-phenylether	<0.2	mg/kg	11/3/99	
Butylbenzylphthalate	<0.2	mg/kg	11/3/99	
Carbazole	<0.2	mg/kg	11/3/99	
4-Chloroaniline	<0.2	mg/kg	11/3/99	
bis(2-Chloroethoxy)methane	<0.2	mg/kg	11/3/99	
bis(2-Chloroethyl)ether	<0.2	mg/kg	11/3/99	
2-Chloronaphthalene	<0.2	mg/kg	11/3/99	
4-Chlorophenyl-phenylether	<0.2	mg/kg	11/3/99	
Chrysene	<0.2	mg/kg	11/3/99	
Dibenz(a,h)anthracene	<0.2	mg/kg	11/3/99	
Dibenzofuran	<0.2	mg/kg	11/3/99	
Di-n-butylphthalate	<0.2	mg/kg	11/3/99	
1,2-Dichlorobenzene	<0.2	mg/kg	11/3/99	
1,3-Dichlorobenzene	<0.2	mg/kg	11/3/99	
1,4-Dichlorobenzene	<0.2	mg/kg	11/3/99	
3,3'-Dichlorobenzidine	<0.4	mg/kg	11/3/99	
Diethylphthalate	<0.2	mg/kg	11/3/99	
Dimethylphthalate	<0.2	mg/kg	11/3/99	
2,4-Dinitrotoluene	<0.2	mg/kg	11/3/99	
2,6-Dinitrotoluene	<0.2	mg/kg	11/3/99	
Di-n-octylphthalate	<0.2	mg/kg	11/3/99	
bis(2-Ethylhexyl)phthalate	<0.2	mg/kg	11/3/99	
Fluoranthene	<0.2	mg/kg	11/3/99	
Fluorene	<0.2	mg/kg	11/3/99	
Hexachlorobenzene	<0.2	mg/kg	11/3/99	
Hexachlorobutadiene	<0.2	mg/kg	11/3/99	

-- LABORATORY ANALYSIS REPORT --

Greystone Environmental, LLC
104 Jamesville Road
Syracuse, NY 13214

Attn: Mr. James Blasting
Phone: (315) 445-0224
FAX: (315) 445-0793

Sample ID: TP-9 @ 5.0'

Project No.: 9904105P
Source: Richmond Avenue, Lockport
LSL Sample ID: 9908516-006
Sample Matrix: SHW

Authorization:
LSL Project No.: 9908516
Date Sampled: 10/26/99
Report Date: 11/11/99

Analytical Method / Parameter(s)	Results	Units	Analysis Date	Comment
Hexachlorocyclopentadiene	<0.2	mg/kg	11/3/99	
Hexachloroethane	<0.2	mg/kg	11/3/99	
Indeno(1,2,3-c,d)pyrene	<0.2	mg/kg	11/3/99	
Isophorone	<0.2	mg/kg	11/3/99	
2-Methylnaphthalene	<0.2	mg/kg	11/3/99	
Naphthalene	<0.2	mg/kg	11/3/99	
2-Nitroaniline	<0.4	mg/kg	11/3/99	
3-Nitroaniline	<0.4	mg/kg	11/3/99	
4-Nitroaniline	<0.4	mg/kg	11/3/99	
Nitrobenzene	<0.2	mg/kg	11/3/99	
N-Nitrosodiphenylamine	<0.2	mg/kg	11/3/99	
N-Nitroso-di-n-propylamine	<0.2	mg/kg	11/3/99	
Phenanthrene	<0.2	mg/kg	11/3/99	
Pyrene	<0.2	mg/kg	11/3/99	
1,2,4-Trichlorobenzene	<0.2	mg/kg	11/3/99	
EPA 9010 Total Cyanide				
Cyanide, Total	0.27	mg/kg	11/10/99	

-- LABORATORY ANALYSIS REPORT --

Greystone Environmental, LLC
104 Jamesville Road
Syracuse, NY 13214

Attn: Mr. James Blasting
Phone: (315) 445-0224
FAX: (315) 445-0793

Sample ID: TP-12 @ 3.0-6.0'

Project No.: 9904105P
Source: Richmond Avenue, Lockport
LSL Sample ID: 9908516-007
Sample Matrix: SHW

Authorization:
LSL Project No.: 9908516
Date Sampled: 10/27/99
Report Date: 11/11/99

Analytical Method Parameter(s)	Results	Units	Analysis Date	Comment
NYS-DEC STARS 8021 Volatiles				
Benzene	<5	ug/kg	11/5/99	
n-Butylbenzene	<5	ug/kg	11/5/99	
sec-Butylbenzene	<5	ug/kg	11/5/99	
tert-Butylbenzene	<5	ug/kg	11/5/99	
Ethyl benzene	<5	ug/kg	11/5/99	
Isopropylbenzene (Cumene)	<5	ug/kg	11/5/99	
4-Isopropyl toluene (Cymene)	<5	ug/kg	11/5/99	
MTBE	<5	ug/kg	11/5/99	
Naphthalene	<5	ug/kg	11/5/99	
N-Propylbenzene	<5	ug/kg	11/5/99	
Toluene	<5	ug/kg	11/5/99	
1,2,4-Trimethylbenzene	<5	ug/kg	11/5/99	
1,3,5-Trimethylbenzene	<5	ug/kg	11/5/99	
Xylenes (Total)	<5	ug/kg	11/5/99	

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Greystone Environmental, LLC
104 Jamesville Road
Syracuse, NY 13214

Attn: Mr. James Blasting
Phone: (315) 445-0224
FAX: (315) 445-0793

Sample ID: TP-15 @ 3.0-6.0'

Project No.: 9904105P
Source: Richmond Avenue, Lockport
LSL Sample ID: 9908516-008
Sample Matrix: SHW

Authorization:
LSL Project No.: 9908516
Date Sampled: 10/27/99
Report Date: 11/11/99

Analytical Method / Parameter(s)	Results	Units	Analysis Date	Comment
EPA 6010 RCRA Metals				
Arsenic	<8	mg/kg	11/9/99	(06)
(06) Elevated detection limit due to matrix interference.				
Barium	97	mg/kg	11/9/99	
Cadmium	<0.8	mg/kg	11/9/99	
Chromium	7.2	mg/kg	11/9/99	
Lead	120	mg/kg	11/9/99	
Selenium	60	mg/kg	11/9/99	
Silver	<0.8	mg/kg	11/9/99	
EPA 7471 Mercury				
Mercury	<0.1	mg/kg	11/10/99	
EPA 8082 PCB's				
Aroclor-1016	<0.2	mg/kg	11/2/99	
Aroclor-1221	<0.2	mg/kg	11/2/99	
Aroclor-1232	<0.2	mg/kg	11/2/99	
Aroclor-1242	<0.2	mg/kg	11/2/99	
Aroclor-1248	<0.2	mg/kg	11/2/99	
Aroclor-1254	<0.2	mg/kg	11/2/99	
Aroclor-1260	<0.2	mg/kg	11/2/99	
EPA 9010 Total Cyanide				
Cyanide, Total	0.45	mg/kg	11/10/99	

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Greystone Environmental, LLC
104 Jamesville Road
Syracuse, NY 13214

Attn: Mr. James Blasting
Phone: (315) 445-0224
FAX: (315) 445-0793

Sample ID: TP-16 @ 3.0-6.0'

Project No.: 9904105P
Source: Richmond Avenue, Lockport
LSL Sample ID: 9908516-009
Sample Matrix: SHW

Authorization:
LSL Project No.: 9908516
Date Sampled: 10/27/99
Report Date: 11/11/99

Analytical Method Parameter(s)	Results	Units	Analysis Date	Comment
NYS-DEC STARS 8021 Volatiles				
Benzene	<5	ug/kg	11/5/99	
n-Butylbenzene	<5	ug/kg	11/5/99	
sec-Butylbenzene	<5	ug/kg	11/5/99	
tert-Butylbenzene	<5	ug/kg	11/5/99	
Ethyl benzene	<5	ug/kg	11/5/99	
Isopropylbenzene (Cumene)	<5	ug/kg	11/5/99	
4-Isopropyl toluene (Cymene)	<5	ug/kg	11/5/99	
MTBE	<5	ug/kg	11/5/99	
Naphthalene	<5	ug/kg	11/5/99	
N-Propylbenzene	<5	ug/kg	11/5/99	
Toluene	<5	ug/kg	11/5/99	
1,2,4-Trimethylbenzene	<5	ug/kg	11/5/99	
1,3,5-Trimethylbenzene	<5	ug/kg	11/5/99	
Xylenes (Total)	<5	ug/kg	11/5/99	

-- LAB RATORY ANALYSIS REPOR --

Greystone Environmental, LLC
104 Jamesville Road
Syracuse, NY 13214

Attn: Mr. James Blasting
Phone: (315) 445-0224
FAX: (315) 445-0793

Sample ID: TP-19 @ 3.0-6.0'

Project No.: 9904105P
Source: Richmond Avenue, Lockport
LSL Sample ID: 9908516-010
Sample Matrix: SHW

Authorization:
LSL Project No.: 9908516
Date Sampled: 10/27/99
Report Date: 11/11/99

Analytical Method / Parameter(s)	Results	Units	Analysis Date	Comment
EPA 6010 RCRA Metals				
Arsenic	<9	mg/kg	11/9/99	(06)
(06) Elevated detection limit due to matrix interference.				
Barium	28	mg/kg	11/9/99	
Cadmium	<0.9	mg/kg	11/9/99	
Chromium	4.2	mg/kg	11/9/99	
Lead	36	mg/kg	11/9/99	
Selenium	45	mg/kg	11/9/99	
Silver	<0.9	mg/kg	11/9/99	
EPA 7471 Mercury				
Mercury	<0.1	mg/kg	11/10/99	
EPA 8082 PCB's				
Aroclor-1016	<0.2	mg/kg	11/2/99	
Aroclor-1221	<0.2	mg/kg	11/2/99	
Aroclor-1232	<0.2	mg/kg	11/2/99	
Aroclor-1242	<0.2	mg/kg	11/2/99	
Aroclor-1248	<0.2	mg/kg	11/2/99	
Aroclor-1254	<0.2	mg/kg	11/2/99	
Aroclor-1260	<0.2	mg/kg	11/2/99	
EPA 9010 Total Cyanide				
Cyanide, Total	0.28	mg/kg	11/10/99	

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Greystone Environmental, LLC
104 Jamesville Road
Syracuse, NY 13214

Attn: Mr. James Blasting
Phone: (315) 445-0224
FAX: (315) 445-0793

Sample ID: TP-21 @ 0.5-1.5'

Project No.: 9904105P
Source: Richmond Avenue, Lockport
LSL Sample ID: 9908516-011
Sample Matrix: SHW

Authorization:
LSL Project No.: 9908516
Date Sampled: 10/27/99
Report Date: 11/11/99

Analytical Method Parameter(s)	Results	Units	Analysis Date	Comment
EPA 6010 RCRA Metals				
Arsenic	23	mg/kg	11/9/99	
Barium	1300	mg/kg	11/9/99	
Cadmium	6.1	mg/kg	11/9/99	
Chromium	12	mg/kg	11/9/99	
Lead	860	mg/kg	11/9/99	
Selenium	2.2	mg/kg	11/9/99	
Silver	2.6	mg/kg	11/9/99	
EPA 7471 Mercury				
Mercury	0.76	mg/kg	11/10/99	
EPA 8082 PCB's				
Aroclor-1016	<0.2	mg/kg	11/2/99	
Aroclor-1221	<0.2	mg/kg	11/2/99	
Aroclor-1232	<0.2	mg/kg	11/2/99	
Aroclor-1242	<0.2	mg/kg	11/2/99	
Aroclor-1248	<0.2	mg/kg	11/2/99	
Aroclor-1254	<0.2	mg/kg	11/2/99	
Aroclor-1260	<0.2	mg/kg	11/2/99	
EPA 8260B TCL Volatiles				
Acetone	<40	ug/kg	11/5/99	
Benzene	<20	ug/kg	11/5/99	
Bromodichloromethane	<20	ug/kg	11/5/99	
Bromoform	<20	ug/kg	11/5/99	
Bromomethane	<20	ug/kg	11/5/99	
2-Butanone (MEK)	<40	ug/kg	11/5/99	
Carbon disulfide	<20	ug/kg	11/5/99	
Carbon tetrachloride	<20	ug/kg	11/5/99	
Chlorobenzene	<20	ug/kg	11/5/99	
Chloroethane	<20	ug/kg	11/5/99	

-- LABORATORY ANALYSIS REPORT --

Greystone Environmental, LLC
104 Jamesville Road
Syracuse, NY 13214

Attn: Mr. James Blasting
Phone: (315) 445-0224
FAX: (315) 445-0793

Sample ID: TP-21 @ 0.5-1.5'

Project No.: 9904105P
Source: Richmond Avenue, Lockport
LSL Sample ID: 9908516-011
Sample Matrix: SHW

Authorization:
LSL Project No.: 9908516
Date Sampled: 10/27/99
Report Date: 11/11/99

Analytical Method Parameter(s)	Results	Units	Analysis Date	Comment
Chloroform	<20	ug/kg	11/5/99	
Chloromethane	<20	ug/kg	11/5/99	
Dibromochloromethane	<20	ug/kg	11/5/99	
1,1-Dichloroethane	<20	ug/kg	11/5/99	
1,2-Dichloroethane	<20	ug/kg	11/5/99	
1,1-Dichloroethene	<20	ug/kg	11/5/99	
1,2-Dichloroethene, Total	<20	ug/kg	11/5/99	
1,2-Dichloropropane	<20	ug/kg	11/5/99	
cis-1,3-Dichloropropene	<20	ug/kg	11/5/99	
trans-1,3-Dichloropropene	<20	ug/kg	11/5/99	
Ethyl benzene	<20	ug/kg	11/5/99	
2-Hexanone	<40	ug/kg	11/5/99	
Methylene chloride	<40	ug/kg	11/5/99	
4-Methyl-2-pentanone (MIBK)	<40	ug/kg	11/5/99	
Styrene	<20	ug/kg	11/5/99	
1,1,2,2-Tetrachloroethane	<20	ug/kg	11/5/99	
Tetrachloroethene	<20	ug/kg	11/5/99	
Toluene	<20	ug/kg	11/5/99	
1,1,1-Trichloroethane	<20	ug/kg	11/5/99	
1,1,2-Trichloroethane	<20	ug/kg	11/5/99	
Trichloroethene	<20	ug/kg	11/5/99	
Vinyl chloride	<20	ug/kg	11/5/99	
Xylenes (Total)	<20	ug/kg	11/5/99	(6)

(6) Elevated detection limit due to matrix interference.

EPA 8270 TCL Semi-Volatiles (B/N)

Acenaphthene	<2	mg/kg	11/3/99	
Acenaphthylene	<2	mg/kg	11/3/99	
Anthracene	<2	mg/kg	11/3/99	
Benzo(a)anthracene	3.6	mg/kg	11/3/99	
Benzo(b)fluoranthene	6.5	mg/kg	11/3/99	

Life Science Laboratories, Inc.
5854 Butternut Drive, East Syracuse, New York 13057 Telephone: (315) 445-1105 Telefax: (315) 445-1301
NYS DOH ELAP No. 10248

Greystone Environmental, LLC
104 Jamesville Road
Syracuse, NY 13214

Attn: Mr. James Blasting
Phone: (315) 445-0224
FAX: (315) 445-0793

Sample ID: TP-21 @ 0.5-1.5'

Project No.: 9904105P
Source: Richmond Avenue, Lockport
LSL Sample ID: 9908516-011
Sample Matrix: SHW

Authorization:
LSL Project No.: 9908516
Date Sampled: 10/27/99
Report Date: 11/11/99

Analytical Method Parameter(s)	Results	Units	Analysis Date	Comment
Benzo(k)fluoranthene	2.5	mg/kg	11/3/99	
Benzo(ghi)perylene	<2	mg/kg	11/3/99	
Benzo(a)pyrene	4.4	mg/kg	11/3/99	
4-Bromophenyl-phenylether	<2	mg/kg	11/3/99	
Butylbenzylphthalate	<2	mg/kg	11/3/99	
Carbazole	<2	mg/kg	11/3/99	
4-Chloroaniline	<2	mg/kg	11/3/99	
bis(2-Chloroethoxy)methane	<2	mg/kg	11/3/99	
bis(2-Chloroethyl)ether	<2	mg/kg	11/3/99	
2-Chloronaphthalene	<2	mg/kg	11/3/99	
4-Chlorophenyl-phenylether	<2	mg/kg	11/3/99	
Chrysene	5.2	mg/kg	11/3/99	
Dibenz(a,h)anthracene	<2	mg/kg	11/3/99	
Dibenzofuran	<2	mg/kg	11/3/99	
Di-n-butylphthalate	<2	mg/kg	11/3/99	
1,2-Dichlorobenzene	<2	mg/kg	11/3/99	
1,3-Dichlorobenzene	<2	mg/kg	11/3/99	
1,4-Dichlorobenzene	<2	mg/kg	11/3/99	
3,3'-Dichlorobenzidine	<4	mg/kg	11/3/99	
Diethylphthalate	<2	mg/kg	11/3/99	
Dimethylphthalate	<2	mg/kg	11/3/99	
2,4-Dinitrotoluene	<2	mg/kg	11/3/99	
2,6-Dinitrotoluene	<2	mg/kg	11/3/99	
Di-n-octylphthalate	<2	mg/kg	11/3/99	
bis(2-Ethylhexyl)phthalate	<2	mg/kg	11/3/99	
Fluoranthene	7.5	mg/kg	11/3/99	
Fluorene	<2	mg/kg	11/3/99	
Hexachlorobenzene	<2	mg/kg	11/3/99	
Hexachlorobutadiene	<2	mg/kg	11/3/99	
Hexachlorocyclopentadiene	<2	mg/kg	11/3/99	

-- LAB RATORY ANALYSIS REPOR --

Greystone Environmental, LLC
104 Jamesville Road
Syracuse, NY 13214

Attn: Mr. James Blasting
Phone: (315) 445-0224
FAX: (315) 445-0793

Sample ID: TP-21 @ 0.5-1.5'

Project No.: 9904105P
Source: Richmond Avenue, Lockport
LSL Sample ID: 9908516-011
Sample Matrix: SHW

Authorization:
LSL Project No.: 9908516
Date Sampled: 10/27/99
Report Date: 11/11/99

Analytical Method / Parameter(s)	Results	Units	Analysis Date	Comment
Hexachloroethane	<2	mg/kg	11/3/99	
Indeno(1,2,3-c,d)pyrene	<2	mg/kg	11/3/99	
Isophorone	<2	mg/kg	11/3/99	
2-Methylnaphthalene	<2	mg/kg	11/3/99	
Naphthalene	<2	mg/kg	11/3/99	
2-Nitroaniline	<4	mg/kg	11/3/99	
3-Nitroaniline	<4	mg/kg	11/3/99	
4-Nitroaniline	<4	mg/kg	11/3/99	
Nitrobenzene	<2	mg/kg	11/3/99	
N-Nitrosodiphenylamine	<2	mg/kg	11/3/99	
N-Nitroso-di-n-propylamine	<2	mg/kg	11/3/99	
Phenanthrene	4.9	mg/kg	11/3/99	
Pyrene	6.4	mg/kg	11/3/99	
1,2,4-Trichlorobenzene	<2	mg/kg	11/3/99	
EPA 9010 Total Cyanide				
Cyanide, Total	0.58	mg/kg	11/10/99	

Greystone Environmental, LLC
104 Jamesville Road
Syracuse, NY 13214

Attn: Mr. James Blasting
Phone: (315) 445-0224
FAX: (315) 445-0793

Sample ID: TB-3 @ 9.0-10.0'

Project No.: 9904105P
Source: Richmond Avenue, Lockport
LSL Sample ID: 9908516-012
Sample Matrix: SHW

Authorization:
LSL Project No.: 9908516
Date Sampled: 10/28/99
Report Date: 11/11/99

Analytical Method Parameter(s)	Results	Units	Analysis Date	Comment
EPA 8260B TCL Volatiles				
Acetone	<10	ug/kg	11/5/99	
Benzene	<5	ug/kg	11/5/99	
Bromodichloromethane	<5	ug/kg	11/5/99	
Bromoform	<5	ug/kg	11/5/99	
Bromomethane	<5	ug/kg	11/5/99	
2-Butanone (MEK)	<10	ug/kg	11/5/99	
Carbon disulfide	<5	ug/kg	11/5/99	
Carbon tetrachloride	<5	ug/kg	11/5/99	
Chlorobenzene	<5	ug/kg	11/5/99	
Chloroethane	<5	ug/kg	11/5/99	
Chloroform	<5	ug/kg	11/5/99	
Chloromethane	<5	ug/kg	11/5/99	
Dibromochloromethane	<5	ug/kg	11/5/99	
1,1-Dichloroethane	<5	ug/kg	11/5/99	
1,2-Dichloroethane	<5	ug/kg	11/5/99	
1,1-Dichloroethene	<5	ug/kg	11/5/99	
1,2-Dichloroethene, Total	<5	ug/kg	11/5/99	
1.2-Dichloropropane	<5	ug/kg	11/5/99	
cis-1.3-Dichloropropene	<5	ug/kg	11/5/99	
trans-1,3-Dichloropropene	<5	ug/kg	11/5/99	
Ethyl benzene	<5	ug/kg	11/5/99	
2-Hexanone	<10	ug/kg	11/5/99	
Methylene chloride	<10	ug/kg	11/5/99	
4-Methyl-2-pentanone (MIBK)	<10	ug/kg	11/5/99	
Styrene	<5	ug/kg	11/5/99	
1,1,2,2-Tetrachloroethane	<5	ug/kg	11/5/99	
Tetrachloroethene	<5	ug/kg	11/5/99	
Toluene	<5	ug/kg	11/5/99	

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Greystone Environmental, LLC
104 Jamesville Road
Syracuse, NY 13214

Attn: Mr. James Blasting
Phone: (315) 445-0224
FAX: (315) 445-0793

Sample ID: TB-3 @ 9.0-10.0'

Project No.: 9904105P
Source: Richmond Avenue, Lockport
LSL Sample ID: 9908516-012
Sample Matrix: SHW

Authorization:
LSL Project No.: 9908516
Date Sampled: 10/28/99
Report Date: 11/11/99

Analytical Method Parameter(s)	Results	Units	Analysis Date	Comment
1,1,1-Trichloroethane	<5	ug/kg	11/5/99	
1,1,2-Trichloroethane	<5	ug/kg	11/5/99	
Trichloroethene	<5	ug/kg	11/5/99	
Vinyl chloride	<5	ug/kg	11/5/99	
Xylenes (Total)	<5	ug/kg	11/5/99	

-- LAE RATORY ANALYSIS REPOI --

Greystone Environmental, LLC
104 Jamesville Road
Syracuse, NY 13214

Attn: Mr. James Blasting
Phone: (315) 445-0224
FAX: (315) 445-0793

Sample ID: Zimmies

Project No.: 9904105P
Source: Richmond Avenue, Lockport
LSL Sample ID: 9908516-013
Sample Matrix: SHW

Authorization:
LSL Project No.: 9908516
Date Sampled: 10/28/99
Report Date: 11/11/99

Analytical Method / Parameter(s)	Results	Units	Analysis Date	Comment
EPA 6010 RCRA Metals				
Arsenic	<10	mg/kg	11/9/99	
Barium	100	mg/kg	11/9/99	
Cadmium	1.0	mg/kg	11/9/99	
Chromium	8.4	mg/kg	11/9/99	
Lead	22	mg/kg	11/9/99	
Selenium	65	mg/kg	11/9/99	
Silver	<1	mg/kg	11/9/99	
EPA 7471 Mercury				
Mercury	<0.08	mg/kg	11/10/99	
EPA 8082 PCB's				
Aroclor-1016	<0.2	mg/kg	11/2/99	
Aroclor-1221	<0.2	mg/kg	11/2/99	
Aroclor-1232	<0.2	mg/kg	11/2/99	
Aroclor-1242	<0.2	mg/kg	11/2/99	
Aroclor-1248	<0.2	mg/kg	11/2/99	
Aroclor-1254	<0.2	mg/kg	11/2/99	
Aroclor-1260	<0.2	mg/kg	11/2/99	

-- LABORATORY ANALYSIS REPORT --

Greystone Environmental, LLC
104 Jamesville Road
Syracuse, NY 13214

Attn: Mr. James Blasting
Phone: (315) 445-0224
FAX: (315) 445-0793

Sample ID: TP-13 @ 10-12'

Project No.: 9904105P
Source: Richmond Avenue, Lockport
LSL Sample ID: 9908516-014
Sample Matrix: SHW

Authorization:
LSL Project No.: 9908516
Date Sampled: 10/28/99
Report Date: 11/11/99

Analytical Method / Parameter(s)	Results	Units	Analysis Date	Comment
EPA 6010 RCRA Metals				
Arsenic	18	mg/kg	11/9/99	
Barium	410	mg/kg	11/9/99	
Cadmium	4.5	mg/kg	11/9/99	
Chromium	16	mg/kg	11/9/99	
Lead	65	mg/kg	11/9/99	
Selenium	8.0	mg/kg	11/9/99	
Silver	<1	mg/kg	11/9/99	
EPA 7471 Mercury				
Mercury	<0.08	mg/kg	11/10/99	
EPA 8082 PCB's				
Aroclor-1016	<0.2	mg/kg	11/2/99	
Aroclor-1221	<0.2	mg/kg	11/2/99	
Aroclor-1232	<0.2	mg/kg	11/2/99	
Aroclor-1242	<0.2	mg/kg	11/2/99	
Aroclor-1248	<0.2	mg/kg	11/2/99	
Aroclor-1254	<0.2	mg/kg	11/2/99	
Aroclor-1260	<0.2	mg/kg	11/2/99	

LSL
Life Science Laboratories, Inc.
5854 Butternut Drive
East Syracuse, NY 13057
Phone # (315) 445-1105 Telefax # (315) 445-1301

1/2

Chain of Custody Record

Client: Greystone Environmental Phone # 315-445-0224
Address: 104 Jamesville Road Telefax# 315-445-0793
Syracuse, New York 13214
Contact Person: James Blasting Authorization: Project# 9904105P

LSL Project #: 9904105
Client's Site I.D.: Richmond Avenue Lockport, N.Y.
Client's Project I.D.: 9904105P

Turnaround Time (Please circle one)
24 Hr 48 Hr 72 Hr 1 Week (2 Weeks) 3 Weeks

Client's Sample Identifications	Sample Date	Sample Time	Type grab	Type comp.	Matrix	Preserv. Added	Containers #	Containers size/type	Analyses	Preserv. Check	LSL ID#
TP-1 @ 3.0'-6.0'	10/26/99	9:30		X	Soil		1	8oz/glass	RCRA Metals, CN, PCB		001
TP-4 @ 7.0'	10/26/99	11:00	X				1	4oz/glass	STARS 8021		002
							1	8oz/glass	EPA 8270 B/N		
TP-5 @ 1.0'	10/26/99	11:15	X				1	4oz/glass	VOCs - EPA 601 *		003
TP-6 @ 1.0'-2.0'	10/26/99	12:40		X			1	4oz/glass	VOCs - EPA 601 *		004
							1	8oz/glass	EPA 8270, Metals, CN, PCB		
TP-8 @ 1.5'-2.5'	10/26/99	1:35		X			1	4oz/glass	VOCs - EPA 601 *		005
							1	8oz/glass	Metals, CN, PCB		
TP-9 @ 5.0'	10/26/99	2:15	X				1	4oz/glass	VOCs - EPA 601 *		006
							1	8oz/glass	EPA 8270, Metals, CN, PCB		
TP-12@ 3.0'-6.0'	10/27/99	9:30		X			1	4oz/glass	STARS 8021		007
TP-15@ 3.0'-6.0'	10/27/99	10:30		X			1	8oz/glass	RCRA Metals, CN, PCB		008
TP-16@ 3.0'-6.0'	10/27/99	11:00		X			1	4oz/glass	STARS 8021		009
TP-19@ 3.0'-6.0'	10/27/99	12:15		X			1	8oz/glass	RCRA Metals, CN, PCB		010

Notes and Hazard Identifications:
EPA-8270 (B/N) - all samples noted
Metals - RECRA - all samples noted
CN = Cyanide
* 8260 per client in lieu

Custody Transfers	Date	Time
Sampled By: Received By:		
Relinquished By: Received By:	10-28-99	
Relinquished By: Received for Lab By:	10-29-99	0919
Shipment Method: Samples Received Intact: Y N		

LSL

5854 Butternut Drive
East Syracuse, NY 13057
Phone # (315) 445-1105 Telefax # (315) 445-1301

Chain of Custody Record

Client: Greystone Environmental Phone # 315-445-0224
Address: 104 Jamesville Road Telefax# 315-445-0793
Syracuse, N.Y. 13214
Contact Person: James Blasting Authorization: Project No. 9904105P

LSL Project #: 9908516
Client's Site I.D.: Richmond Avenue Lockport, N.Y.
Client's Project I.D.: 9904105P

Turnaround Time (Please circle one): 24 Hr 48 Hr 72 Hr 1 Week 2 Weeks 3 Weeks

Client's Sample Identifications	Sample Date	Sample Time	Type grab	Type comp.	Matrix	Preserv. Added	Containers #	Containers size/type	Analyses	Preserv. Check	LSL ID#
TP-21 @ 0.5'-1.5'	10/27/99	1:25		X	Soil		1	4oz/glass	VOCs - EPA 601 *		011
							1	8oz/glass	EPA 8270, metals, CN, PCB		
TB-3 @ 9.0'-10.0'	10/28/99	9:35	X		Soil		1	4oz/glass	VOCs - EPA 601 *		012
Zimmies	10/28/99	2:45		X	Soil		1	8oz/glass	RCRA Metal, PCB		013
TB-13 @ 10'-12'	10/28/99	2:35	X		Soil		1	8oz/glass	RCRA Metal, PCB		014

Notes and Hazard identifications:
EPA - 8270 (B/N) - all samples noted
Metals - (RECRA) - all samples noted
C_N = Cyanide
* 8260 per client 10/29

Custody Transfers		Date	Time
Sampled By:	Received By:		
Relinquished By:	Received By:	10-27-99	
Relinquished By:	Received for Lab By:	10-29-99	0919

Shipment Method: Samples Received Intact: Y N

ATTACHMENT 6

PRELIMINARY ASBESTOS SURVEY

THE GREATER LOCKPORT DEVELOPMENT CORP.
CITY OF LOCKPORT

PRELIMINARY ASBESTOS SURVEY

FOR

THE GREATER LOCKPORT DEVELOPMENT CORPORATION
RICHMOND AVENUE PROJECT
LOCKPORT, NEW YORK

OCTOBER 25, 1999

Prepared By

GREYSTONE ENVIRONMENTAL
104 JAMESVILLE ROAD
SYRACUSE, NEW YORK
(315) 445-0224

THE GREATER LOCKPORT DEVELOPEMENT CORP.
RICHMOND AVENUE PROJECT
LOCKPORT, NEW YORK

TABLE OF CONTENTS

SECTION I
INTRODUCTION

THE GREATER LOCKPORT DEVELOPMENT CORP.
RICHMOND AVENUE PROJECT
LOCKPORT, NEW YORK

INTRODUCTION

Greystone Environmental was retained by The Greater Lockport Development Corporation on October 25, 1999 to conduct building inspections for the detection of asbestos containing materials located at various buildings on Richmond Avenue, Lockport, New York.

Greystone Environmental inspector, Steven A. Majka inspector #AH 90-03375, conducted this inspection with procedures and guidelines commonly used and accepted in New York State. The objective of this inspection was to identify approximate locations and quantities of suspect and confirmed asbestos containing materials located within various buildings on Richmond Avenue in Lockport, New York.

An initial walkthrough of the areas requiring inspection was conducted by an experienced inspector who observed and recorded many of the materials used in the construction of the building. The inspector proceeded by assessing floor, wall, ceiling materials, surfacing materials, thermal systems insulation, roofing materials and miscellaneous materials. The inspector was organized and approached systematically to observe, record, and prepare a list of building materials that are suspected to contain asbestos.

The inspector selected materials for inclusion in the Survey Summary through an understanding of the historical uses of asbestos and the experience of the Greystone Environmental staff. Generally, if a building material within a structure could contain asbestos, the material was included in the survey.

Materials included in the survey summary were identified and recorded with respect to homogeneous sampling areas. Samples were collected from locations within each homogeneous sampling area. Samples consist of a small amount of the subject material. Sampling points were recorded on a chain of custody document.

Samples were individually preserved within a container and transported to an independent laboratory for asbestos analysis.

The laboratory is accredited through NYSDOH/ELAP (Lab ID# 10872) for Solid and Hazardous Waste and Air Emissions for Bulk Asbestos Fiber Analysis. The chain of custody record accompanies all samples from point collected until they reach the laboratory. Samples are stored at the laboratory for 90 days then disposed of according to authoritative regulations.

The analysis methodology used is as follows:

Asbestos Bulk Samples- New York State Department of Health, ELAP Method 198.1 ("Polarized Light Microscopy Methods for identifying and quantitating asbestos in bulk samples").

SECTION II
LIMITATIONS

The Greater Lockport Development Corp.
Richmond Avenue Project
Lockport, New York

LIMITATIONS

The information provided in this report was compiled from field and laboratory data was prepared for reference to The Richmond Avenue Project, Lockport, New York.

Observations noted and recorded are intended to represent the conditions that existed at the subject site at the time and date that the observations were made.

Determinations of suspect asbestos containing materials within the building were subject to the accessibility of individual areas or spaces. Greystone Environmental accepts no responsibility for the content of the building materials within areas or spaces that were unknown to us or not reasonably accessible.

Conclusions and recommendations provided in this report are based on the assumption that materials identified are homogeneous throughout their application.

Greystone Environmental assumes no liability for any buildings not identified by the client that may fall under state or federal regulations.

Several non-friable, organically bound materials (see enclosed laboratory reports) were reported to be non-asbestos containing through Polarized Light Microscopy (PLM) analysis. PLM analysis is not consistently reliable in detecting asbestos in non-friable, organically bound materials. The New York State DOL states that such materials be confirmed by Transmission Electron Microscopy (TEM) analysis as it is currently the only method that can be used to determine if these materials can be considered or treated as non-asbestos containing. The owner, at the time, has elected not to perform TEM analysis. If the non-friable, organically bound materials are to be disturbed, TEM analysis must be performed or materials should be treated as asbestos containing.

SECTION III
SURVEY SUMMARY

Lab ID #	Sample #	Description	Location/Space ID	Friable	Percentage of Asbestos
ZT-0001	1-01 Transite	Transite Flooring	Tire Store Room	Friable	Chrysotile 35%
ZT-0002	1-02 Lino	Linoleum	Tire Store Room	Non-Friable	None Detected
ZT-0003	1-03 Tile	Brown & Lt. Brown Tile	Front Store Room	Non-Friable	None Detected
ZT-0004	1-04 Tile	White Floor Tile	Office	Non-Friable	None Detected
ZT-0005	1-05 Shingle	Brown Shingle	Brown Storage Shed	Non-Friable	None Detected
KLG-0001	1-01 Tile	9"x 9" Floor Tile	First Floor	Non-Friable	Chrysotile 10%
KLG-0011	1-01Mastic	Mastic	First Floor	Non-Friable	None Detected
KLG-0002	1-02 Plaster	Plaster	First Floor	Friable	None Detected
KLG-0003	1-03 Tile	Fiberboard	First Floor	Friable	None Detected
KLG-0004	2-04 Plaster	Plaster	Second Floor	Friable	Chrysotile 5%
KLG-0005	2-05 Tile	1' x 1' Ceiling Tile	Second Floor	Friable	None Detected
KLG-0006	2-06 Lino	Linoleum	Second Floor	Non-Friable	None Detected
KLG-0007	2-07 Lino	Linoleum	Second Floor	Non-Friable	None Detected
KLG-0008	3-08 Tile	9' x 9' Floor Tile	Third Floor	Non-Friable	None Detected
KLG-0012	3-08 Mastic	Mastic	Third Floor	Non-Friable	None Detected
KLG-0009	3-09 Tile	2' x 4' Ceiling Tile	Third Floor	Friable	None Detected
KLG-0010	3-10 Tile	12" x 12" Linoleum	Third Floor	Non-Friable	None Detected
KLG-0013	3-10 Mastic	Mastic	Third Floor	Non-Friable	None Detected
SCB-0001	4-01 Spray	Spray-on Popcorn	Second Floor	Friable	None Detected
SCB-0002	4-02 Lino	Linoleum	Second Floor	Non-Friable	Chysotile 20%
SCB-0003	4-03 Tile	12" x 12" Green Tile	Second Floor	Non-Friable	None Detected
SCB-0009	4-03 Backing	Backing	Second Floor	Non-Friable	None Detected
SCB-0004	4-04 Sheet	Sheetrock	Second Floor	Friable	None Detected
SCB-0005	4-05 Tile	White Floor Tile	Second Floor	Non-Friable	None Detected
SCB-0010	4-05 Mastic	Mastic	Second Floor	Non-Friable	None Detected
SCB-0006	4-06 Tile	9" x 9" Floor Tile	First Floor	Non-Friable	Chrysotile 2%
SCB-0007	4-07 Tile	12" x 12" Floor Tile	First Floor	Non-Friable	<1% Chrysotile
SCB-0008	4-08 Fiber	Fiberboard	First Floor	Non-Friable	None Detected
MTB-0001	6-01 Sheet	Sheetrock	Second Floor	Friable	None Detected
MTB-0002	6-02 Plaster	Plaster	Second Floor	Friable	None Detected

SECTION IV
CONCLUSIONS

The Greater Lockport Development Corporation
Richmond Avenue Project
Lockport, New York

CONCLUSIONS

An asbestos survey was conducted by Greystone Environmental at various buildings Richmond Avenue on October 25, 1999. The purpose of the survey was to identify the approximate locations and quantities of asbestos containing materials.

A walkthrough of the building was conducted by a Greystone Environmental inspector, and a suspect list of materials that may contain asbestos was compiled from observations, notes and drawings.

Sample locations and custody information were recorded and the samples were transported to the laboratory for analysis. **The following materials were found to contain asbestos:**

LOCATION

ZIMMIES SERVICE INC.
7 NIAGARA STREET

FIRST FLOOR:

LOCATION	DESCRIPTION	QUANTITY	CONDITION
Tire Storeroom	Transite Flooring	704 square feet	exposed

*** Roof was not accessible, therefore presumed positive ACM until further sampling can be obtained.**

LOCATION

BROWN STORAGE SHED/GARAGE
CHURCH STREET

***No ACM present at time of inspection**
***Roof was not accessible, therefore presumed positive ACM until further sampling can be obtained.**

LOCATION

WALTER KOHL PROPERTY
47-49 RICHMOND AVENUE

KOHL'S LIQUIDATION GARAGE

FIRST FLOOR

9" X 9" VINYL ASBESTOS TILE – SAMPLE # 1-01 - BLACK

SPACE ID:	LOCATION	AMOUNT	CONDITION
First Floor	Floor	1400 square feet	exposed/damaged

SECOND FLOOR

PLASTER-SAMPLE # 2-04-WHITE/GREY

SPACE ID:	LOCATION	AMOUNT	CONDITION
Second Floor	Walls/Ceiling	17,500 square feet	friable/damaged

WALTER KOHL PROPERTY
51 RICHMOND AVENUE

9"x 9" VINYL ASBESTOS TILE – SAMPLE # 3-08 – BLACK

SPACE ID:	LOCATION	AMOUNT	CONDITION
First Floor	Floor	728 square feet	exposed/damaged

***Roof was not accessible, therefore presumed positive ACM until further sampling can be obtained.**

LOCATION

LOCKPORT SENIOR CITIZENS CENTER
57 RICHMOND AVENUE

9"x9" VINYL ASBESTOS TILE SAMPLE # 4-06-WHITE

SPACE ID:	LOCATION	AMOUNT	CONDITION
First Floor	Floor	4800 square feet	exposed/damaged

STONE PATTERN LINOLEUM- SAMPLE # 4-02- RED/BLACK

SPACE ID:	LOCATION	AMOUNT	CONDITION
Second Floor	Floor	225 square feet	exposed/good

***300 square feet trowled-on insulation on boiler and 275 linear feet of pipe insulation located in the basement with asbestos labels present.**
6 linear feet pipe insulation on third floor, assumed positive.

***Roof was not accessible, therefore assumed positive ACM until further testing can be obtained.**

LOCATION

LICATTA BROTHERS VENDING
69 RICHMOND AVENUE

***No suspect ACM presently found at this location.**
***Roof was not accessible, therefore assumed positive ACM until further testing can be obtained.**

LOCATION

"THE MODEL T"
79 RICHMOMD AVENUE

***5 linear feet of assumed asbestos pipe insulation in basement.**

***Building was not accessible at time of inspection, 12"x 12" floor tile was present and will be assumed positive ACM until further testing can be obtained.**

***Roof was not accessible, therefore will be assumed positive ACM until further testing can be obtained.**

LOCATION

SANSONE BLDG. (RADIATOR SHOP)
RICHMOND AVENNUE

***150 linear feet of pipe insulation assumed positive in basement.**

***Roof was not accessible, therefore is assumed to be positive ACM until further testing can be obtained.**

*****ALL AMOUNTS OF CONFIRMED ASBESTOS CONTAINING MATERIALS ARE APPROXIMATE.**

SECTION V
LABORATORY REPORTS

EMSL Analytical, Inc.
107 Haddon Ave., Westmont, NJ 08108

Attn: Alternative Environmental Services, Inc.
84 S. Randolf Ave
Poughkeepsie, NY 12601
Fax: 914-471-3184 Phone: 914-471-1261
Project: 99-073 Zimmies Tires

Customer ID ALTE54
Customer PO:
Received: 10/27/99 9:27 AM
EMSL Order: 049936485
EMSL Project ID:

Polarized Light Microscopy (PLM) Performed by EPA 600/R-93/116 Method

				Asbestos		Non-Asbestos	
Sample	Location	Appearance	Treatment	% Type	% Fibrous		% Non-Fibrous
9936485-0001		Beige/Brown Fibrous Heterogeneous	Teased Crushed	35% Chrysotile	20% Cellulose		45% Non-fibrous (other)
9936485-0002		Black/Brown/Blue Fibrous Heterogeneous	Teased	None Detected	35% Cellulose 10% Hair 15% Synthetic		40% Non-fibrous (other)
9936485-0003		Brown Fibrous Homogeneous	Teased Crushed	None Detected	5% Cellulose 2% Synthetic		93% Non-fibrous (other)
Tile 9936485-0004		White/Beige Fibrous Heterogeneous	Teased Crushed	None Detected	3% Cellulose		97% Non-fibrous (other)
Mastic 9936485-0006		Brown Fibrous Homogeneous	Teased	None Detected	3% Cellulose 2% Glass 1% Synthetic		94% Non-fibrous (other)
9936485-0005		Black/Brown Fibrous Heterogeneous	Teased Crushed	None Detected	25% Cellulose 10% Glass 10% Synthetic		55% Non-fibrous (other)

Essie Spencer
Analyst

Approved Signatory

EMSL Analytical, Inc.
107 Haddon Ave., Westmont, NJ 08108

Attn: Alternative Environmental Services, Inc.
84 S. Randolf Ave
Poughkeepsie, NY 12601
Fax: 914-471-3184 Phone: 914-471-1261
Project: 99-073/Kohl Liqudation Garage

Customer ID ALTE54
Customer PO:
Received: 10/27/99 9:29 AM
EMSL Order: 049936481
EMSL Project ID:

Polarized Light Microscopy (PLM) Performed by EPA 600/R-93/116 Method

				Asbestos		Non-Asbestos	
Sample	Location	Appearance	Treatment	% Type	% Fibrous	% Non-Fibrous	
-01 Tile *49936481-0001*	1st Floor	Black Fibrous Homogeneous	Dissolved	10% Chrysotile		90%	Non-fibrous (other)
-01 Mastic *49936481-0011*	1st Floor	Black Non-Fibrous Homogeneous	Teased	None Detected		100%	Non-fibrous (other)
-02 *49936481-0002*	1st Floor	Brown/Gray/White Fibrous Heterogeneous	Crushed	None Detected	5% Cellulose	95%	Non-fibrous (other)
-03 *49936481-0003*	2nd Floor	Brown Fibrous Heterogeneous	Teased	None Detected	95% Cellulose	5%	Non-fibrous (other)
-04 *49936481-0004*	2nd Floor	Various Fibrous Heterogeneous	Teased	5% Chrysotile	5% Cellulose	90%	Non-fibrous (other)
-05 *49936481-0005*	2nd Floor	Brown Fibrous Heterogeneous	Teased	None Detected	90% Cellulose	10%	Non-fibrous (other)
-06 *49936481-0006*	2nd Floor	Various Fibrous Heterogeneous	Teased	None Detected	70% Cellulose	30%	Non-fibrous (other)
-07 *49936481-0007*	2nd Floor	Various Fibrous Heterogeneous	Teased	None Detected	70% Cellulose	30%	Non-fibrous (other)
-08 Tile *49936481-0008*	1st Floor	Brown Fibrous Homogeneous	Dissolved	10% Chrysotile		90%	Non-fibrous (other)
-08 Mastic *49936481-0012*	1st Floor	Black Fibrous Homogeneous	Teased	None Detected	10% Cellulose	90%	Non-fibrous (other)
-09 *49936481-0009*	1st Floor	Brown/White Fibrous Heterogeneous	Teased	None Detected	90% Cellulose	10%	Non-fibrous (other)

Dave Poitras
Analyst

Approved Signatory

EMSL Analytical, Inc.
107 Haddon Ave., Westmont, NJ 08108

Attn:	Alternative Environmental Services, Inc. 84 S. Randolf Ave Poughkeepsie, NY 12601	Customer ID	ALTE54
		Customer PO:	
		Received:	10/27/99 9:29 AM
Fax:	914-471-3184 Phone: 914-471-1261	EMSL Order:	049936481
Project:	**99-073/Kohl Liqudation Garage**	EMSL Project ID:	

Polarized Light Microscopy (PLM) Performed by EPA 600/R-93/116 Method

				Asbestos		Non-Asbestos	
Sample	**Location**	**Appearance**	**Treatment**	**% Type**	**% Fibrous**	**% Non-Fibrous**	
3-10 Tile *049936481-0010*	1st Floor	Brown Non-Fibrous Heterogeneous	Teased	**None Detected**		100%	Non-fibrous (other)
3-10 Mastic *049936481-0013*	1st Floor	Brown Non-Fibrous Homogeneous	Teased	**None Detected**		100%	Non-fibrous (other)

Dave Poitras

Analyst

Approved Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in part with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.

Analysis performed by EMSL Westmont (NVLAP #101048-0), NY ELAP 10872

EMSL Analytical, Inc.
107 Haddon Ave., Westmont, NJ 08108

Attn:	Alternative Environmental Services, Inc. 84 S. Randolf Ave Poughkeepsie, NY 12601	Customer ID	ALTE54
		Customer PO:	
		Received:	10/27/99 9:28 AM
Fax:	914-471-3184 Phone: 914-471-1261	EMSL Order:	049936490
Project:	**99-073/Senior Citizen Bldg.**	EMSL Project ID:	

Polarized Light Microscopy (PLM) Performed by EPA 600/R-93/116 Method

Sample	Location	Appearance	Treatment	Asbestos % Type	Non-Asbestos % Fibrous	Non-Asbestos % Non-Fibrous
4-01 *049936490-0001*		White/Beige Fibrous Heterogeneous	Teased Crushed	None Detected	20% Cellulose 5% Glass	75% Non-fibrous (other)
4-02 *049936490-0002*		Beige/Brown Fibrous Heterogeneous	Teased	20% Chrysotile	20% Cellulose 10% Synthetic	50% Non-fibrous (other)
4-03 Tile *049936490-0003*		Green Fibrous Homogeneous	Teased Crushed	None Detected	2% Cellulose	98% Non-fibrous (other)
4-03 Backing *049936490-0009*		Gray Fibrous Homogeneous	Teased Crushed	None Detected	3% Cellulose 3% Synthetic	94% Non-fibrous (other)
4-04 *049936490-0004*		Beige/White Fibrous Heterogeneous	Teased Crushed	None Detected	10% Cellulose 10% Glass 10% Synthetic	70% Non-fibrous (other)
4-05 Tile *049936490-0005*		Beige Fibrous Homogeneous	Teased Crushed	None Detected	10% Cellulose 3% Glass	87% Non-fibrous (other)
4-05 Mastic *049936490-0010*		Tan Fibrous Homogeneous	Teased	None Detected	5% Cellulose 3% Synthetic	92% Non-fibrous (other)
4-06 *049936490-0006*		Green Fibrous Heterogeneous	Teased Crushed	2% Chrysotile	10% Cellulose 5% Synthetic	83% Non-fibrous (other)
4-07 Tile *049936490-0007*		Beige/Black Fibrous Layer #2	Teased	<1% Chrysotile	10% Cellulose	90% Non-fibrous (other)
4-08 *049936490-0008*		Gray/Brown Fibrous Homogeneous	Teased	None Detected	45% Cellulose 5% Synthetic	50% Non-fibrous (other)

Essie Spencer
Analyst

Approved Signatory

Disclaimers: PLM has been known to miss asbestos in a small percentage of samples which contain asbestos. Thus negative PLM results cannot be guaranteed. Samples reported as <1% or none detected should be tested with either SEM or TEM. The above test report relates only to the items tested. This report may only be reproduced in part with written approval by EMSL. The above test must not be used by the client to claim product endorsement by NVLAP nor any agency of the United States Government. All "NVLAP" reports with NVLAP logo must contain at least one signature to be valid. Laboratory is not responsible for the accuracy of results when requested to physically separate and analyze layered samples.
Analysis performed by EMSL Westmont (NVLAP #101048-0), NY ELAP 10872

EMSL Analytical, Inc.
107 Haddon Ave., Westmont, NJ 08108

Attn: Alternative Environmental Services, Inc.
84 S. Randolf Ave
Poughkeepsie, NY 12601

Fax: 914-471-3184 Phone: 914-471-1261

Project: **99-073/Model T Ban Upstairs**

Customer ID ALTE54
Customer PO:
Received: 10/27/99 9:28 AM
EMSL Order: 049936489
EMSL Project ID:

Polarized Light Microscopy (PLM) Performed by EPA 600/R-93/116 Method

				Asbestos		Non-Asbestos	
Sample	Location	Appearance	Treatment	% Type	% Fibrous		% Non-Fibrous
-01 *9936489-0001*		Gray/Brown Fibrous Heterogeneous	Teased Crushed	None Detected	20% Cellulose 10% Hair 5% Synthetic		65% Non-fibrous (other)
-02 *9936489-0002*		Gray Fibrous Heterogeneous	Teased Crushed	None Detected	10% Cellulose 10% Hair 5% Synthetic		75% Non-fibrous (other)

Essie Spencer
Analyst

Approved Signatory

SECTION VI
ESTIMATED ABATEMENT COSTS