

Brownfield Cleanup Program Application

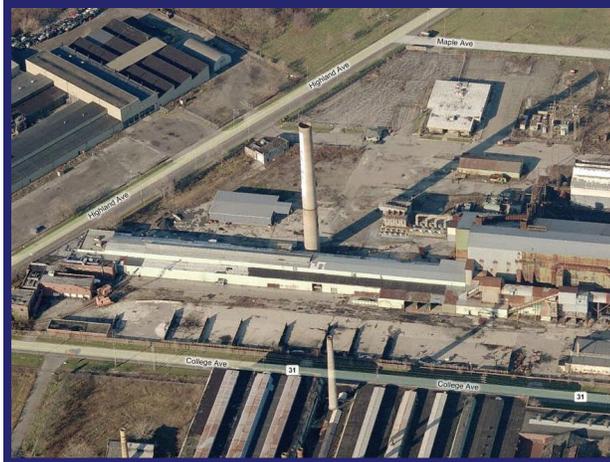
*Solsil, Inc. Site
Highland Avenue and College Avenue
Niagara Falls, New York*

December 2008

0170-001-101

Prepared For:

Solsil, Inc.



Prepared By:





**NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION**



BROWNFIELD CLEANUP PROGRAM (BCP)

ECL ARTICLE 27 / TITLE 14

| |
|--|
| DEPARTMENT USE ONLY BCP SITE #: _____ |
|--|

07/07

| Section I. Requestor Information | | | | |
|--|--|--|---|--|
| NAME | | | | |
| ADDRESS | | | | |
| CITY/TOWN | | ZIP CODE | | |
| PHONE | FAX | E-MAIL | | |
| NAME OF REQUESTOR'S REPRESENTATIVE | | | | |
| ADDRESS | | | | |
| CITY/TOWN | | ZIP CODE | | |
| PHONE | FAX | E-MAIL | | |
| NAME OF REQUESTOR'S CONSULTANT | | | | |
| ADDRESS | | | | |
| CITY/TOWN | | ZIP CODE | | |
| PHONE | FAX | E-MAIL | | |
| NAME OF REQUESTOR'S ATTORNEY | | | | |
| ADDRESS | | | | |
| CITY/TOWN | | ZIP CODE | | |
| PHONE | FAX | E-MAIL | | |
| <p>THE REQUESTOR MUST CERTIFY THAT HE/SHE IS EITHER A PARTICIPANT OR VOLUNTEER IN ACCORDANCE WITH ECL § 27-1405 (1) BY CHECKING ONE OF THE BOXES BELOW:</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>PARTICIPANT</p> <p>A requestor who either 1) was the owner of the site at the time of the disposal of hazardous waste or discharge of petroleum or 2) is otherwise a person responsible for the contamination, unless the liability arises solely as a result of ownership, operation of, or involvement with the site subsequent to the disposal of hazardous waste or discharge of petroleum.</p> </td> <td style="width: 50%; vertical-align: top;"> <p>VOLUNTEER</p> <p>A requestor other than a participant, including a requestor whose liability arises solely as a result of ownership, operation of or involvement with the site subsequent to the disposal of hazardous waste or discharge of petroleum.</p> <p>NOTE: By checking this box, the requestor certifies that he/she has exercised appropriate care with respect to the hazardous waste found at the facility by taking reasonable steps to: i) stop any continuing discharge; ii) prevent any threatened future release; and iii) prevent or limit human, environmental, or natural resource exposure to any previously released hazardous waste.</p> </td> </tr> </table> | | | <p>PARTICIPANT</p> <p>A requestor who either 1) was the owner of the site at the time of the disposal of hazardous waste or discharge of petroleum or 2) is otherwise a person responsible for the contamination, unless the liability arises solely as a result of ownership, operation of, or involvement with the site subsequent to the disposal of hazardous waste or discharge of petroleum.</p> | <p>VOLUNTEER</p> <p>A requestor other than a participant, including a requestor whose liability arises solely as a result of ownership, operation of or involvement with the site subsequent to the disposal of hazardous waste or discharge of petroleum.</p> <p>NOTE: By checking this box, the requestor certifies that he/she has exercised appropriate care with respect to the hazardous waste found at the facility by taking reasonable steps to: i) stop any continuing discharge; ii) prevent any threatened future release; and iii) prevent or limit human, environmental, or natural resource exposure to any previously released hazardous waste.</p> |
| <p>PARTICIPANT</p> <p>A requestor who either 1) was the owner of the site at the time of the disposal of hazardous waste or discharge of petroleum or 2) is otherwise a person responsible for the contamination, unless the liability arises solely as a result of ownership, operation of, or involvement with the site subsequent to the disposal of hazardous waste or discharge of petroleum.</p> | <p>VOLUNTEER</p> <p>A requestor other than a participant, including a requestor whose liability arises solely as a result of ownership, operation of or involvement with the site subsequent to the disposal of hazardous waste or discharge of petroleum.</p> <p>NOTE: By checking this box, the requestor certifies that he/she has exercised appropriate care with respect to the hazardous waste found at the facility by taking reasonable steps to: i) stop any continuing discharge; ii) prevent any threatened future release; and iii) prevent or limit human, environmental, or natural resource exposure to any previously released hazardous waste.</p> | | | |
| Requestor Relationship to Property (check one): | | | | |
| Previous Owner | Current Owner | Potential /Future Purchaser Other _____ | | |
| If requestor is not the site owner, requestor will have access to the property throughout the BCP project. | | Yes No | | |
| (Note: proof of site access must be submitted for non-owners) | | | | |

Section II. Property Information Summary Sheet

PROPERTY NAME:

ADDRESS/LOCATION

CITY/TOWN

ZIP CODE

MUNICIPALITY (IF MORE THAN ONE, LIST ALL):

COUNTY

SITE SIZE (ACRES)

LATITUDE (degrees/minutes/seconds)

LONGITUDE (degrees/minutes/seconds)

HORIZONTAL COLLECTION METHOD: SURVEY GPS MAP

HORIZONTAL REFERENCE DATUM:

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

| Parcel Address | Parcel No. | Section No. | Block No. | Lot No. | Acreage |
|----------------|------------|-------------|-----------|---------|---------|
| | | | | | |
| | | | | | |
| | | | | | |

1. Do the property boundaries correspond to tax map metes and bounds? Yes No
 If no, please attach a metes and bounds description of the property.

2. Is the required property map attached to the application? (application will not be processed without map) Yes No

3. Is the property part of a designated En-zone pursuant to Tax Law § 21(b)(6)? Yes No

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

If yes, identify area (name) _____

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

PROPERTY DESCRIPTION NARRATIVE:

List of Existing Easements (type here or attach information)

| <u>Easement Holder</u> | <u>Description</u> |
|------------------------|--------------------|
| | |

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

| <u>Type</u> | <u>Issuing Agency</u> | <u>Description</u> |
|-------------|-----------------------|--------------------|
| | | |

Initials of each Requestor: _____

Section III. Current Site Owner/Operator Information

OWNER'S NAME (if different from requestor)

ADDRESS

CITY/TOWN

ZIP CODE

PHONE

FAX

E-MAIL

OPERATOR'S NAME (if different from requestor or owner)

ADDRESS

CITY/TOWN

ZIP CODE

PHONE

FAX

E-MAIL

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

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

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

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

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

Section VI. Project Description

What stage is the project starting at? investigation remediation

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

- Purpose and scope of the project
- Estimated project schedule

Section VII. Property's Environmental History

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

1. Environmental Reports

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

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

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

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

*Please describe: _____

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

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

*Please describe: _____

4. INDICATE KNOWN OR SUSPECTED SOURCES OF CONTAMINANTS:

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

Other: _____

5. INDICATE PAST LAND USES:

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

Other: _____

6. Owners

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

7. Operators

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

Section VIII. Contact List Information

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

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

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

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

Intended Use: Unrestricted Residential Commercial Industrial (check all that apply)

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

Yes No

| | |
|--|--|
| 1. Do current historical and/or recent development patterns support the proposed use? (See #12 below re: discussion of area land uses) | |
|--|--|

| | |
|---|--|
| 2. Is the proposed use consistent with applicable zoning laws/maps? | |
|---|--|

| | |
|--|--|
| 3. Is the proposed use consistent with applicable comprehensive community master plans, local waterfront revitalization plans, designated Brownfield Opportunity Area plans, other adopted land use plans? | |
|--|--|

| | |
|--|--|
| 4. Are there any Environmental Justice Concerns? (See §27-1415(3)(p)). | |
|--|--|

| | |
|--|--|
| 5. Are there any federal or state land use designations relating to this site? | |
|--|--|

| | |
|--|--|
| 6. Do the population growth patterns and projections support the proposed use? | |
|--|--|

| | |
|---|--|
| 7. Is the property accessible to existing infrastructure? | |
|---|--|

| | |
|--|--|
| 8. Are there important cultural resources, including federal or state historic or heritage sites or Native American religious sites within ½ mile? | |
|--|--|

| | |
|--|--|
| 9. Are there important federal, state or local natural resources, including waterways, wildlife refuges, wetlands, or critical habitats of endangered or threatened species within ½ mile? | |
|--|--|

| | |
|--|--|
| 10. Are there floodplains within ½ mile? | |
|--|--|

| | |
|--|--|
| 11. Are there any institutional controls currently applicable to the property? | |
|--|--|

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

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

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

Statement of Certification and Signature

(By requestor who is an individual)

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

Date: _____ Signature: _____ Print Name: _____

(By an requestor other than an individual)

I hereby affirm that I am VP Finance (title) of Sols.1 Inc (entity); that I am authorized by that entity to make this application; that this application was prepared by me or under my supervision and direction; and that information provided on this form and its attachments is true and complete to the best of my knowledge and belief. I am aware that any false statement made herein is punishable as a Class A misdemeanor pursuant to Section 210.45 of the Penal Law.

Date: 12/17/2008 Signature: Michael Row Print Name: MICHAEL ROW

SUBMITTAL INFORMATION:

Three (3) complete copies are required.

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

Chief, Site Control Section
New York State Department of Environmental Conservation
Division of Environmental Remediation
625 Broadway
Albany, NY 12233-7020
- **One (1)** paper copy must be sent to the DEC regional contact in the regional office covering the county in which the site is located. Please check our website for the address of our regional offices: <http://www.dec.ny.gov/about/776.html>

FOR DEPARTMENT USE ONLY

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

LIST OF APPLICATION ATTACHMENTS

*NYSDEC Brownfield Cleanup Program Application
Solsil, Inc. Site
Niagara Falls, New York*

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

ATTACHMENT 01

SITE DESCRIPTION & BCP ELIGIBILITY STATEMENT
SITE PHOTOGRAPHS
SITE LOCATION MAP
SITE PLAN

Attachment 01

Site Description and BCP Eligibility Statement

Solsil, Inc. Site Brownfield Cleanup Program Application

A) SITE DESCRIPTION

The subject property (hereinafter, the “Project Site” or the “Site”) subject to the BCP application is an approximate 5-acre portion of a 15.9-acre parcel, addressed as 3807 Highland Avenue (aka 3801 Highland Avenue), Niagara Falls New York (see Figures 1-1 and 1-2). The parcel included in this application is described as:

Solsil, Inc. Site, Highland and College Avenue, Niagara Falls, NY (portion of 15.9-acre parcel – SBL No. 130.14-2-41)

The remaining approximate 11-acre portion of the greater 15.9-acre parcel, together with 15 additional tax parcels make up a greater approximate 20.4-acre property that is subject to a separate BCP application submitted by Globe Metallurgical, Inc. (see Figure 1-3).

The Site is located in a heavily industrialized area of Niagara Falls and is surrounded by current or former heavy industrial sites. The Site is bounded by Highland Avenue to the west, College Avenue to the south, Maple Avenue to the north, and Hyde Park Boulevard to the east (northeastern portion). Properties adjacent to the Site include several heavy industrial properties, including Schleifmittel-Treibacher (former General Abrasives) to the east, PreMax (former Chisholm-Ryder) to the west and the former Hazorb/Niagara Vest/Union Carbide BCP site to the south.

The Site is currently vacant and has not been in operation since 2003. The Site was used for metal alloy manufacturing since at least 1913; most recently the Site was used to manufacture silicon metal and ferrosilicon metal. Site photographs taken during the 2008 Phase I Environmental Site Assessment (see Attachment 5) are attached hereto.

The Site’s historical (i.e., approximately 100 years) heavy industrial manufacturing use has left a legacy of environmental concerns, including abandoned drums with unknown contents, petroleum spills on the property, former rail sidings, former exterior metal ore, coal and slag storage areas, former machine shops and maintenance areas, a former transformer room, a former electrical substation, generation of regulated wastes, and a former smoke stack on-Site. Approximately 10, 55-gallon drums with unknown contents are currently present in the Railcar Maintenance Building. Approximately 50, 55-gallon drums were recently moved from the Solsil, Inc. Site to the Globe Metallurgical Site in the vicinity of the Oil House and adjacent storage building. Petroleum staining was noted in the Railcar Maintenance Building; this area is associated with current and historic drum storage and maintenance activities. Figure 1-3 illustrates the areas of concern for the Solsil Site.

Attachment 01

Site Description and BCP Eligibility Statement

Solsil, Inc. Site Brownfield Cleanup Program Application

As described in Attachment 06 as attached hereto, soil and sediment samples taken at the Project Site during a limited preliminary Site Investigation in the summer of 2008 indicate that certain polycyclic aromatic hydrocarbons PAHs and metals are present on-site at concentrations above the NYSDEC 375 restricted-industrial soil cleanup objectives (SCOs) and/or at concentrations that may deem soil/sediments characteristically hazardous upon removal and disposal. Furthermore, PCBs were also present in certain soil samples collected. Based on the results of the preliminary investigation, a comprehensive subsurface soil, surface soil, sediment and groundwater investigation is warranted to further characterize the full extent of environmental impacts.

Environmental investigations completed on the adjacent Hazorb/Niagara Vest/Union Carbide Brownfield Cleanup Program (BCP) site identified the presence of PCBs, PAHs, and metals above the NYSDEC Part 375 restricted-industrial SCOs in soil/fill and debris, as well as the presence of asbestos containing material (ACM) and PCBs (galbestos) along College Avenue. Based on the similar nature of historic heavy industrial use on the adjacent property, similar contaminants of concern could be present at the Project Site.

B) ELIGIBILITY FOR ACCEPTANCE INTO THE BROWNFIELD CLEANUP PROGRAM

The Site meets the definition of a “brownfield site” as set forth in New York State Environmental Conservation Law Section 27-1407.8.a, in that (A) there is confirmed contamination on the Site, and (B) there is a reasonable basis to believe that the contamination or potential presence of contamination may be complicating the development or re-use of the Site. Further, the regulations in 6 NYCRR 375-3.3(a)(1) clarify that the brownfield definition has two separate and distinct elements; namely the “Contamination Element” and the “Complication Element”:

- (1) A brownfield site has two elements:
 - (i) there must be confirmed contamination on the property or a reasonable basis to believe that contamination is likely to be present on the property; and
 - (ii) there must be a reasonable basis to believe that the contamination or potential presence of contamination may be complicating the development, use or re-use of the property.

As noted in the text of this regulation, the concept of a “reasonable basis” test has been added to each element.

Attachment 01

Site Description and BCP Eligibility Statement

Solsil, Inc. Site Brownfield Cleanup Program Application

Finally, the New York State Department of Environmental Conservation published BCP Eligibility Guidance in March 2005. This guidance establishes several factors that the Department considers in evaluating whether the Contamination Element and the Complication Element exist.

A) Contamination Element

Specifically, with respect to the establishing the Contamination Element or a reasonable basis to believe the Contamination Element has been met, the DEC will consider the:

- (A) the nature and extent of known or suspected contamination;
- (B) whether contaminants are present at levels that exceed standards, criteria or guidance;
- (C) whether contamination on the proposed site is historic fill material or exceeds background levels;
- (D) whether there are or were industrial or commercial operations at the proposed site which may have resulted in environmental contamination; and/or,
- (E) whether the proposed site has previously been subject to closure, a removal action, an interim or final remedial action, corrective action or any other cleanup activities performed by or under the oversight of the State or Federal government.

As describe within this BCP application, we respectfully submit that the Contamination Element of the BCP Eligibility Test has been met. Contamination does exist on the Site, and there is a reasonable basis to believe that additional contamination above and beyond what is known to exist on the Site to date may be present on this Site. As described in Attachment 6 as attached hereto, soil and sediment samples taken at the Project Site during a limited preliminary Site Investigation in the summer of 2008 indicate that certain polycyclic aromatic hydrocarbons PAHs and metals are present on-site at concentrations above the NYSDEC 375 restricted-industrial SCOs and/or at concentrations that may deem soil/sediments characteristically hazardous upon removal and disposal. The contamination on the site is not historic fill and does exceed background levels especially as evidenced by the Site's 100 year history of heavy industrial manufacturing use. The legacy of such heavy use, as visually described above and throughout this application, certainly indicates that such use resulted in its environmental contamination.

Attachment 01

Site Description and BCP Eligibility Statement

Solsil, Inc. Site Brownfield Cleanup Program Application

B) Complication Element

Specifically, with respect to the establishing the Complication Element or a reasonable basis to believe the Complication Element has been met, the DEC will consider:

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

As described within this BCP application, it is respectfully submitted that there is a reasonable basis to believe that the contamination known and suspected to be present on the Site is complicating the development, use or re-use, of the Site. First, the Site, suspected to be contaminated, has sat idled, abandoned and underutilized since 2003. The Site is unattractive for redevelopment or reuse due to the actual presence of contamination and the reasonable perception that there is additional contamination most likely present on the Site also in need of remediation. As noted in the Phase I Environmental Assessment dated September 2008, there are numerous abandoned drums and petroleum staining has been noted within certain areas of the Site. The Site is located in a current and historic heavy industrial area. Surrounding sites include active and abandoned industrial properties, including the former Hazorb/Niagara Vest/Union Carbide Brownfield Cleanup Program site to the south, and regulatory searches have revealed documented releases or potential releases of hazardous materials and/or petroleum products on nearby properties. Many known contaminated sites are in close proximity to the Site.

In addition, the Site and the properties in the immediate vicinity of the Site are in an area exhibiting indicators of extreme economic distress. For example, as of August, 2008, according to statistics provided by the New York State Department of Labor, Niagara County had the third highest county unemployment rate in the State of New York – 6.7%. In general, the Western New York Economic Development Region had the second highest overall unemployment rate in the State, 5.9%, second only to the North Country region. With the decline of industrial activity in Niagara Falls over the last four decades, the City has been left with a large collection of abandoned contaminated sites that cannot be remediated

Attachment 01

Site Description and BCP Eligibility Statement

Solsil, Inc. Site Brownfield Cleanup Program Application

easily or quickly. The majority of these contaminated sites, such as the Project Site, will most likely continue to adversely affect the public health, welfare, and the environment, continue to further depress real estate values, and otherwise negatively affect the area. The general economic duress of the Project Site and the neighboring area, combined with known contamination issues affecting the Project Site, provide a dual complicating affect chilling any redevelopment opportunities of the Site.

The Site is located in a BCP Environmental Zone, a New York State Empire Zone, a New York State Brownfield Opportunity Area nomination site, a Federal Renewal Community Zone, and a “highly distressed area” as defined under New York General Municipal Law as it has a poverty rate (50%) of at least 20% and an unemployment rate (15%) at least 1.25% times the statewide unemployment rate (currently 5.6%). Because the site is located in these various designated distressed areas, it is eligible for certain local, state, and federal financial incentives, further indicating that the Site is unattractive for redevelopment particularly outside of the context of the BCP.

The estimated cost of a proposed remedial program with regard to the Site is likely to be significant in comparison to the anticipate value of the Site as redeveloped or reused. This has likely been one of the reasons behind the Site’s vacancy. As described herein, and based on the result of the September 2008 Preliminary Investigation, a comprehensive subsurface soil, surface soil, sediment and groundwater investigation is warranted to characterize the full extent of environmental impacts. The Applicant proposes to remediate contaminated conditions, in addition to making approximately \$45,000,000 in capital investment. However, the extent of contamination is unknown and remediation costs are unknown and may significantly add to, or outpace, the capital expenditures the Requestor plans to undertake at the Site, depending upon the extent of the remediation required to be undertaken at the Site.

In conclusion, based on the foregoing and as discussed and depicted within the BCP application, the Site meets the Contamination Element and the Complicaton Element tests. As such, the Site qualifies as a Brownfield Site eligible for participation in the BCP because (A) there is confirmed contamination on the Site, and (B) there is a reasonable basis to believe that the contamination or potential presence of contamination may be complicating the development or re-use of the Site.

Attachment 01

Site Photographs

Solsil, Inc. Site
Brownfield Cleanup Program Application

Photo 1:



Photo 2:



Photo 3:



Photo 4:



Photo 1: Solsil Site looking south at Smoke Stack #1

Photo 2: Piles of unknown materials

Photo 3: Former factory building conditions and drums

Photo 4: Former factory building

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Attachment 01

Site Photographs

Solsil, Inc. Site
Brownfield Cleanup Program Application

Photo 5:



Photo 6:



Photo 7:



Photo 8:



Photo 5: Drums/containers and staining in Railcar Maintenance Building

Photo 6: Additional drums/containers and staining in Railcar Maintenance Building

Photo 7: Former factory building

Photo 8: Former laboratory and unknown chemicals

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Attachment 01

Site Photographs

Solsil, Inc. Site
Brownfield Cleanup Program Application

Photo 9:



Photo 10:



Photo 11:



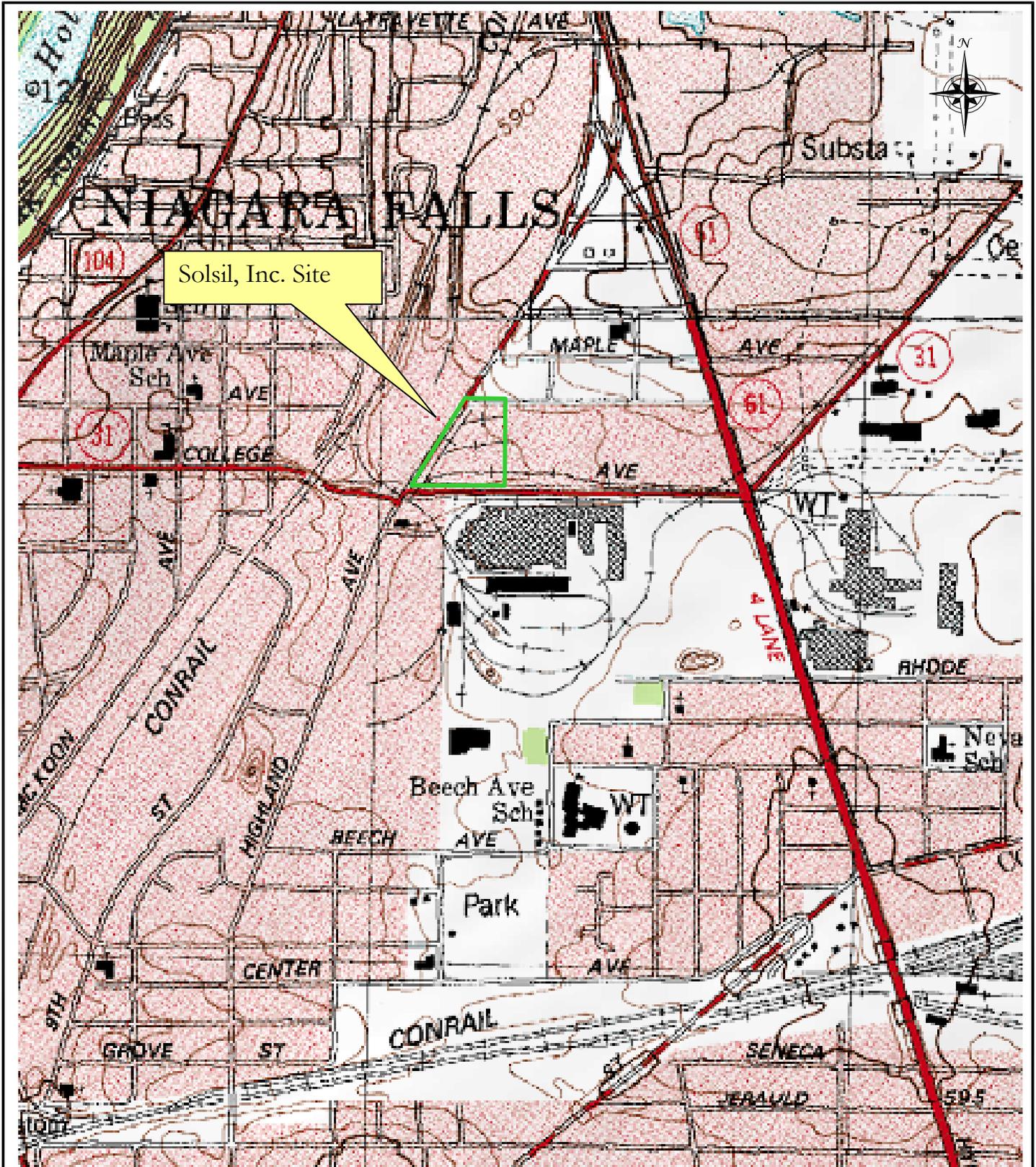
Photo 9: Subject Property and adjacent industrial properties to the west, south, and east

Photo 10: Adjacent former Union Carbide facility to the south

Photo 11: Adjacent former Union Carbide facility to the south

0170-001-101

FIGURE 1-1



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

SITE LOCATION AND VICINITY MAP

BROWNFIELD CLEANUP PROGRAM APPLICATION

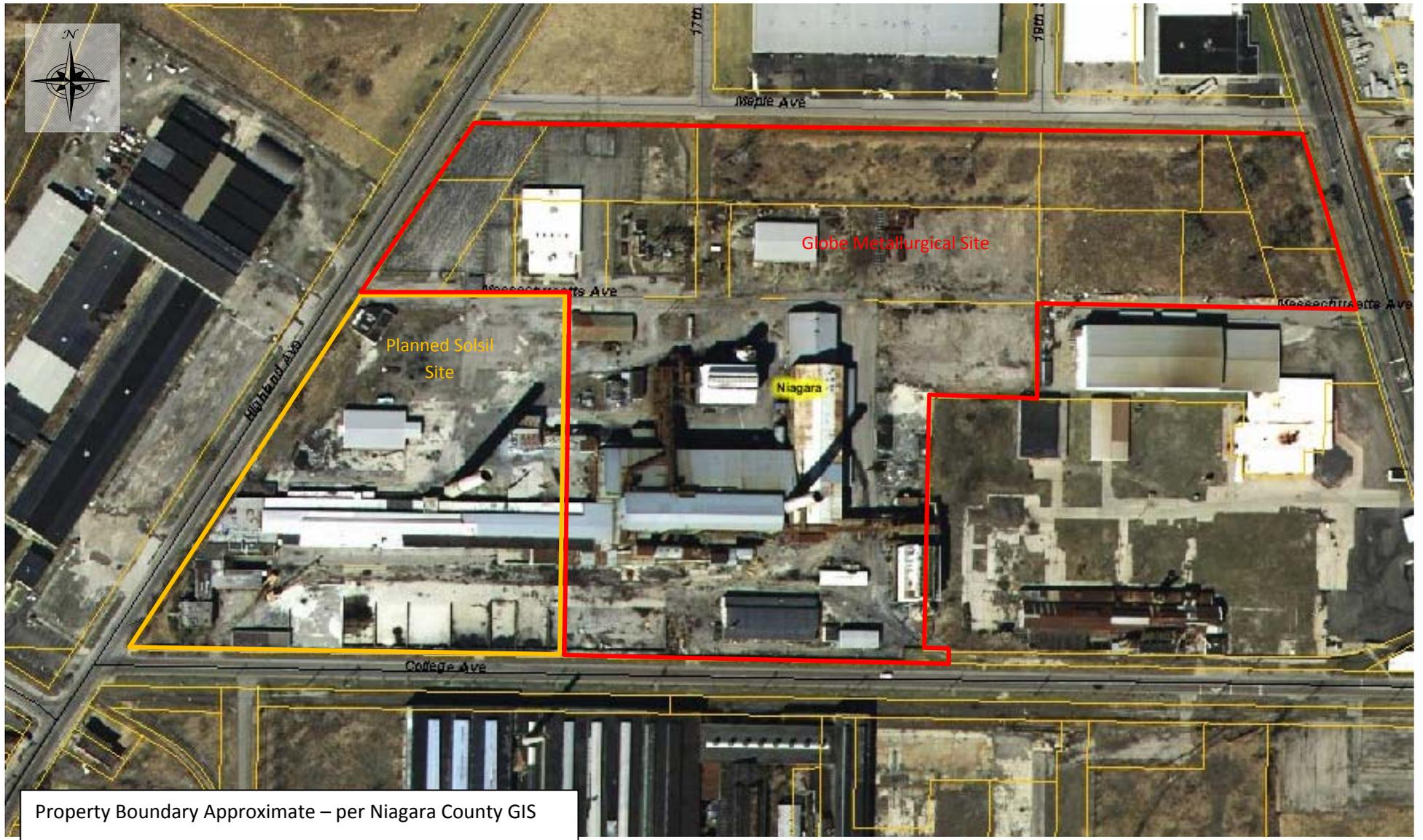
SOLSIL, INC. SITE

NIAGARA FALLS, NEW YORK
PREPARED FOR
SOLSIL, INC.

PROJECT NO.: 0170-001-101

DATE: SEPTEMBER 2008

DRAFTED BY: NTM



Property Boundary Approximate – per Niagara County GIS

BENCHMARK
 ENVIRONMENTAL
 ENGINEERING &
 SCIENCE, PLLC

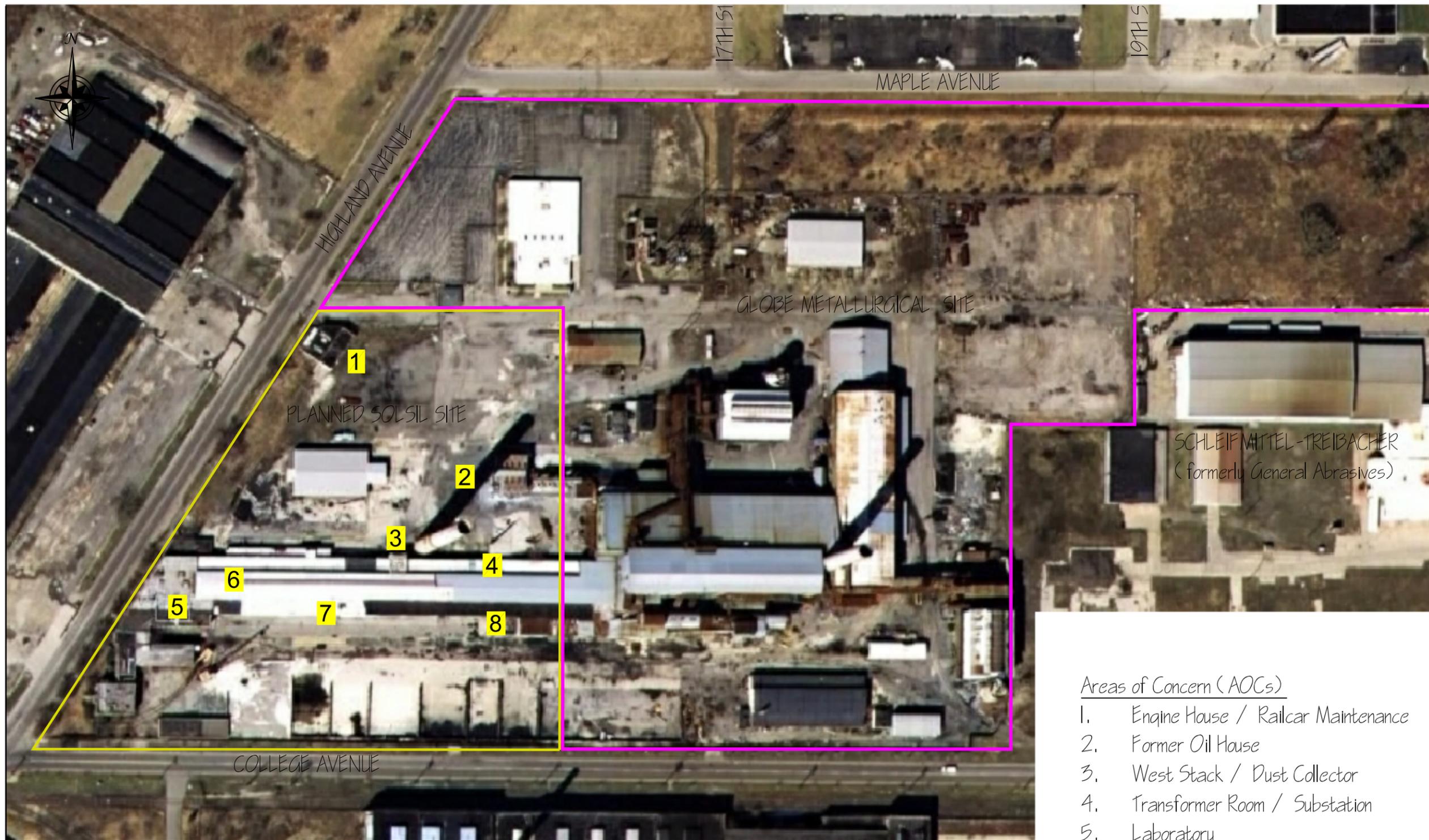
726 EXCHANGE STREET
 SUITE 624
 BUFFALO, NEW YORK 14210
 (716) 856-0599

PROJECT NO.: 0170-001-101
 DATE: SEPTEMBER 2008
 DRAFTED BY: NTM

SITE PLAN
 BROWNFIELD CLEANUP PROGRAM APPLICATION
 SOLSIL, INC. SITE
 NIAGARA FALLS, NEW YORK
 PREPARED FOR
 SOLSIL, INC.

FIGURE 1-2

FILEPATH:



LEGEND:

- PROPERTY BOUNDARY (SOLSIL)
- PROPERTY BOUNDARY (GLOBE)
- 9 AREA OF CONCERN

Note: Drawing not to scale.

Areas of Concern (AOCs)

1. Engine House / Railcar Maintenance
2. Former Oil House
3. West Stack / Dust Collector
4. Transformer Room / Substation
5. Laboratory
6. Machine Shop / Electric Shop / Drums
7. Machine Shop
8. Furnace Building

AREAS OF CONCERN
BROWNFIELD CLEANUP PROGRAM APPLICATION

SOLSIL, INC. SITE
NIAGARA FALLS, NEW YORK
PREPARED FOR
SOLSIL, INC.

FIGURE 1-3

ATTACHMENT 02

TAX MAP



3801 Highland Avenue – SBL No. 130.14-2-41(part of)



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

PROJECT NO.: 0170-001-101

DATE: SEPTEMBER 2008

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TAX MAP
 BROWNFIELD CLEANUP PROGRAM APPLICATION
 SOLSIL, INC SITE
 NIAGARA FALLS, NEW YORK
 PREPARED FOR
 SOLSIL, INC.

FIGURE 2-1

FILEPATH:

ATTACHMENT 03

PROJECT DESCRIPTION & SCHEDULE

Attachment 03

Project Description & Schedule

Solsil, Inc. Site Brownfield Cleanup Program Application

PROJECT DESCRIPTION

The Project Site is located in the City of Niagara Falls, Niagara County, New York. It is comprised of the southwest corner of the 3807 Highland Avenue (aka 3801 Highland Avenue) property, and is approximately 5-acres in size. The Site includes a former railcar maintenance building, former oil house, two former laboratories, 2 former machine shops, a former electric shop, former transformer room, a former electrical substation factory/furnace building, a smoke stack, several storage buildings and numerous former rail spurs. The Site is part of the greater adjacent property that was used for heavy industrial manufacturing of steel and metal alloys since at least 1913; most recently, the Site and the greater adjoining property was used to manufacture silicon metal and ferrosilicon metal. The Site is currently vacant and has not been in operation since 2003.

The Project Site is located within the City of Niagara Fall Highland Area Redevelopment Plan (the “Plan”) area. The Plan seeks to create an environment attractive to new private investment and proposes a series of improvements to the area’s street, rail and pedestrian networks. The Project Site is currently vacant and underutilized, depressing real estate values, and contamination concerns have precluded reuse. These conditions contribute to neighborhood disinvestment and decline.

The Project Site is also located within a Federal Renewal Community Zone, a New York State Empire Zone, a New York State Environmental Zone, and a “highly distressed area” as defined under New York General Municipal Law as it has a poverty rate (50%) of at least 20% and an unemployment rate (15%) at least 1.25% times the statewide unemployment rate (which is approximately 7%). As such, the Project Site is located in both a Federal and New York State defined and delineated distressed urban community.

Solsil, Inc., (the “Applicant”) plans to demolish existing structures, remediate environmental contamination and construct new facilities to manufacture very-high-purity silicon for use in photovoltaic solar cells, by purifying metallurgical-grade silicon to solar-grade purity levels using metallurgical methods. The Applicant’s main office is located in Beverly, Ohio.

The Applicant anticipates an investment of approximately \$45 million to investigate and remediate environmental impacts, demolish the vacant industrial factory and associated buildings and construct a new state of the art facility at the Project Site. It is anticipated that 400 new full-time jobs, including 100 high-skilled jobs, will be created within the first year of operation.

Attachment 03

Project Description & Schedule

Solsil, Inc. Site Brownfield Cleanup Program Application

It is important to note that this project has only been made financially possible because of the tax benefits that potentially may be available to the Applicant under the New York State Brownfield Cleanup Program, the New York State Empire Zone Program, and other benefits to be made available to the applicant by the Niagara County Industrial Development Agency, and by the environmental liability protection afforded to the Applicant under the New York State Brownfield Cleanup Program.

Subsequent to submittal of this BCP application, the Applicant will submit a Remedial Investigation Work Plan (RIWP) to investigate constituents of concern and to characterize the impacts to environmental media (i.e., soil and groundwater). The RIWP will include advancement of soil borings and collection of soil samples; installation and sampling of groundwater monitoring wells; and sampling and cataloging of storage tanks, drums, and containers. Upon completion of the RI, an Alternatives Analysis Report (AAR) will be prepared to evaluate potential remedial technologies.

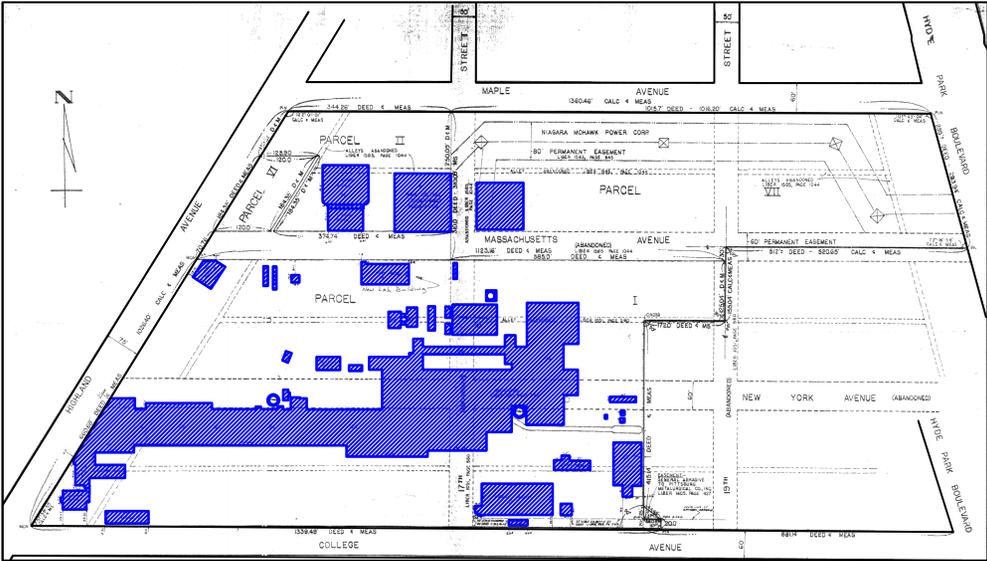
PROJECT SCHEDULE

The environmental engineering and consulting tasks associated with the Brownfield Cleanup Program (BCP) through completion of remedial work are estimated as follows:

December 2008 – Submit BCP application
January 2009 – Obtain notification of BCP program acceptance
February 2009 – Submit RIWP
April 2009 – Complete RI fieldwork
June 2009– Submit RI report and AAR
September 2009- Prepare Remedial Action Work Plan
Fall/Winter 2009- Remedial Work

ATTACHMENT 04

CONCEPTUAL REDEVELOPMENT PLAN MAP



1 PHASE ONE
NTS.



2 PHASE TWO
NTS.



3 PHASE THREE
NTS.



4 AERIAL PHOTOGRAPH
NTS.

- EXISTING BUILDING
- EXISTING BUILDING TO REMAIN
- NEW CONSTRUCTION
- EXISTING BUILDING TO BE RENOVATED
- EXISTING BUILDING TO BE REMOVED

| | | |
|-----|-------------------------|------|
| No. | Revisions / Submissions | Date |
| | | |
| | | |
| | | |

GIVSIANA
ARCHITECTS & ENGINEER
425 CENTER STREET
LEWISTON, NEW YORK 14092

GLOBE METALS
MILE RESERVE LOT 32
NIAGARA FALLS NY

| | |
|---|--------------------------|
| SITE PLAN | |
| DESIGNED: DCS | PROJECT NO: GLOBE METALS |
| DRAWN: DCS | SCALE: NTS. |
| CHECKED: DCS | DRAWING NO: |
| APPROVED: DCS | AI |
| DATE: JULY 9TH-2008 | |
| <small>Plot-dwg-p c:\BUSINESS-DAVID\XP22\12lockport\wheel#192112-LOCKPORT.TPO.dwg PLOTTED DSC JULY 9TH-2008 10:00AM</small> | |

ATTACHMENT 05

PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT (INCLUDED ELECTRONICALLY)

Benchmark Environmental Engineering & Science, PLLC. 2008. *Phase I Environmental Site Assessment Report, 3807 Highland Avenue, Niagara Falls, New York.* September.

Attachment 05

Phase I Environmental Site Assessment

Solsil, Inc. Site

Brownfield Cleanup Program Application

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

SEPTEMBER 2008 – PHASE I ENVIRONMENTAL SITE ASSESSMENT

Benchmark conducted a Phase I Environmental Site Assessment (ESA) of the subject property. Benchmark identified several recognized environmental conditions and areas of concern, which are described below:

- The Site is a former heavy industrial Site that was used for industrial purposes for approximately 100 years. There are numerous areas of concern on-site, including: a railcar maintenance building, maintenance buildings/areas, machine shops, a former electric shop, current and former oil houses, a former laboratory, former transformer rooms, a factory/furnace building, drum storage areas, transformers and electrical sub-stations.
- The Site is located in a current and historic heavy industrial area. Properties adjacent to the Site include several heavy industrial properties, including Schleifmittel-Treibacher (former General Abrasives) to the east, PreMax (former Chisholm-Ryder) to the west and the former Hazorb/Niagara Vest/Union Carbide Brownfield Cleanup Program (BCP) site to the south.
- Regulatory search information for the Site indicates historic petroleum storage, petroleum spills and generation of regulated wastes. Several adjacent and nearby properties have documented releases or potential releases of hazardous material and/or petroleum products.

ATTACHMENT 06

PREVIOUS ENVIRONMENTAL INVESTIGATION

Attachment 06

Previous Environmental Investigation

Solsil, Inc. Site

Brownfield Cleanup Program Application

SEPTEMBER 2008 PRELIMINARY INVESTIGATION

Soil and sediment samples taken at the Project Site during a limited preliminary Site Investigation indicate that certain polycyclic aromatic hydrocarbons (PAHs) and metals are present on-site at concentrations above the NYSDEC 375 restricted-industrial soil cleanup objectives (SCOs) and/or at concentrations that may deem soil/sediments characteristically hazardous upon removal and disposal.

Based on the results of the preliminary investigation, a comprehensive subsurface soil, surface soil, sediment and groundwater investigation is warranted to characterize the full extent of environmental impacts.

September 23, 2008

Mr. Matthew Greene
Globe Metallurgical, Inc.
1595 Sparling Road
PO Box 157
Beverly, OH 45715

Re: Preliminary Site Investigation
Globe Metallurgical and Solsil, Inc. Site
3807 Highland Avenue, Niagara Falls NY

Dear Mr. Greene:

At your request, Benchmark Environmental Engineering and Science, PLLC (Benchmark) has completed a Preliminary Site Investigation for the property addressed at 3807 Highland Avenue, Niagara Falls, New York (see Figure 1). It should be noted this investigation was completed to evaluate the Globe Metallurgical, Inc. redevelopment site (Globe Site) as well as the Solsil, Inc. redevelopment site (Solsil Site).

A description of our approach to the work and the investigation findings are presented below. Areas investigated and discussed within this report are identified on Figure 1.

BACKGROUND

Benchmark performed a Phase I Environmental Site Assessment (ESA) for the subject property that encompasses the Globe Site and Solsil Site in August 2008. The ESA identified several recognized environmental conditions (RECs) related to historic industrial manufacturing, including multiple current and historical underground storage tanks (USTs) and aboveground storage tanks (ASTs), numerous drums, maintenance/repair buildings, former oil houses, former transformer rooms, current/former electrical substations, a former waste battery storage area, and a former smoke stack. Based on the findings of the Phase I ESA, Benchmark recommended a Preliminary Site Investigation to evaluate whether historical operations impacted the site and potentially interfere with future redevelopment efforts.

PRELIMINARY SITE INVESTIGATION

The Investigation generally included the following activities:

- Completion of a soil investigation in select areas of the Site. The soil investigation included soil borings to evaluate potential impacts associated with past heavy industrial operations, and to provide general characterization of the property.

- Collection and analyses of soil samples to determine if impacts, if identified, were present above current New York State Department of Environmental Conservation (NYSDEC) soil cleanup objectives (SCOs).

Installation of temporary monitoring wells and collection of groundwater samples to evaluate groundwater quality was a planned task; however, construction of temporary monitoring wells to the required depth(s) to collect representative groundwater samples was not able to be accomplished using a direct-push drill rig. As such, groundwater samples were not collected during this investigation.

Additional limitations to this investigation were encountered due to installation of utility lines at the Globe Site as well as Globe's request to avoid intrusive work within interior areas. Furthermore, at Globe's request, soil borings could only be completed in areas that were pre-cleared by Globe's utility location contractor prior to intrusive work. Specifically, areas of concern that were not accessible include the factory buildings (including machine shops and transformer rooms), the former oil house where numerous drums, ASTs and surface staining were identified, the area of a suspect vent pipe proximate the oil house, the former 10,000-gallon diesel AST, and subsurface areas beneath existing buildings.

METHODS

The soil investigation involved completion of a soil boring investigation program under the direction of Benchmark's environmental scientist, Mr. Nathan Munley. On August 27, 2008, Benchmark's designated subcontractor, TREC Environmental, mobilized a track-mounted Geoprobe® rig, and completed 11 soil borings, identified as SB-1 through SB-11, at various locations across the Site. Soil samples were collected with an approximate 1.5-inch diameter, approximate 48 inch long macro-core sampler. Soil samples were generally collected within each borehole continuously from the ground surface until approximately 12 to 14 feet below the ground surface (fbgs), or until equipment refusal was encountered.

Soil borings SB-1, SB-2, SB-3, surface sample SS-1 and sediment sample STACK-1 were completed on the Solsil Site. Soil borings SB-4 through SB-11 and surface samples SS-2 through SS-4 were completed on the Globe Site. Soil boring and sample locations are shown on Figure 1.

The physical characteristics of all soil samples were classified using the Unified Soil Classification System (USCS) (Visual-Manual Method). Field screening of soil borings for total VOC concentrations was completed using a photoionization detector (PID). PID measurements were recorded in the project field book and are summarized in Table 1.

Representative soil samples were collected from SS-1 through SS-4, STACK-1, and SB-1 through SB-11 for analysis. Specifically, samples were collected and placed in pre-cleaned, laboratory provided sample bottles using dedicated stainless steel sampling tools, and cooled to 4° C in the field, and transported under chain-of-custody command to TestAmerica of

Amherst, New York for analysis. Select samples were analyzed for Target Compound List (TCL) plus NYSDEC Spill Technology and Remediation Series (STARS) List volatile organic compounds (VOCs), STARS List semi-volatile organic compounds (SVOCs), Resource Conservation and Recovery Act (RCRA) Metals, and polychlorinated biphenyls (PCBs).

FIELD OBSERVATIONS

Globe Site

Soil borings SB-4 through SB-11 and surface samples SS-2 through SS-4 were completed on the Globe Site.

The subsurface geology on the Globe Site was similar to that of the Solsil Site as described above. Similar non-native materials (i.e., ash, coal/coke, slag-like fill, apparent metallic materials) were also noted in the surface of the southeast portion of the Globe Site proximate the factory buildings.

The northeast portion of the Globe site is a reported historic deposit area/landfill. Soil borings SB-10 and SB-11 were advanced in that area of the Globe Site, which is generally characterized as an elevated area of the property with vegetative cover. Soils in this portion of the site were described as a loose silty-sand from the ground surface to approximately one fbg, with fill-like materials including brick, slag, wood, and rust-colored and gray to black-colored miscellaneous fill to boring terminus (i.e., 8 fbgs at SB-10 and 12 fbgs at SB-11). In the north portion of the Site along the western limits of the former deposit area, gray and green cobbles and boulder-like pieces of consolidated non-native material were noted deposited on the ground surface. The source of that material is not known.

Groundwater was encountered at approximately 12 fbgs on SB-6. A temporary monitoring well was installed at SB-6, but water production was insufficient for sample collection on the day of installation and during subsequent site visits. As such, a groundwater sample was not collected.

A sheen was noted on the core sampler sleeve at SB-6, between 10 – 14 fbgs. Non-native materials (i.e., ash, coal/coke, slag-like fill, apparent metallic materials), similar to those noted on the Solsil Site, were also noted in the surface soils across the southeast portion of the Globe Site proximate the factory buildings. As noted above, gray and green cobbles and boulder-like pieces of consolidated material were noted deposited on the ground surface in the northern area of the Globe Site. Furthermore, tar-like material was noted on the ground surface in the same general area of the Site.

PID readings at the Globe Site ranged from 0 ppm to 88.3 ppm. The highest PID readings were 68.7 ppm at SB-6 (12-14 fbgs) and 88.3 ppm at SB-11 (8-10 fbgs). Petroleum odors were also noted in B-6 from 10 to 14 fbgs. Refer to Table 1 for a summary of PID readings.

Solsil Site

Soil borings SB-1, SB-2, SB-3, surface sample SS-1 and sediment sample STACK-1 were completed on the Solsil Site.

In general, the geology of the Solsil Site is described as asphalt, concrete or non-native unconsolidated soil/fill surficial layer, including evidence of ash, coal/coke, slag-like fill, apparent metallic materials, from the ground surface to approximately one foot below ground surface (fbgs) overlaying fill-like material consisting of brick, slag, concrete, and/or wood to approximately two fbgs. Apparent native materials, consisting of brown, silty-clay was encountered at each boring location from approximately 2 fbgs to boring terminus (up to 14 fbgs).

Groundwater was encountered at approximately 7-8 fbgs at boring location SB-1 in the area of the former railcar maintenance building and current location of drums and petroleum staining. The boring was terminated at 8 fbgs where equipment refusal encountered. A temporary monitoring well was installed in an attempt to collect groundwater, but water production was insufficient for sample collection on the day of installation as well as on subsequent site visits. As such, a groundwater sample was not collected.

Visual evidence of petroleum staining was noted within the former railcar maintenance building in the area where sample SS-1 was collected. Non-native materials (i.e., ash, coal/coke, slag-like fill, apparent metallic materials) were noted across the majority of the surface of the Solsil Site that was not covered by buildings. Gray to dark black ash and silty material, with prominent metallic material intermixed, was noted within and around the former stack located on the north side of the factory building on the Solsil Site. A sample designated as STACK-1 was collected to characterize that material.

PID readings ranged from 23.8 parts per million (ppm) to 533 ppm in the borings completed at the Solsil Site. The highest readings from each soil boring were 283 ppm at SB-1 (6-8 fbgs), 533 ppm at SB-2 (4-8 fbgs) and 201 ppm at SB-3 (0-2 fbgs) Refer to Table 1 for a summary of PID readings. Odors were also noted in boring location SB-2, which was advanced in the area of a former oil house.

SAMPLING AND ANALYSIS

Representative soil samples were collected from SS-1, STACK-1, and SB-1 through SB-3 at the Solsil Site and from SB-4 through SB-11 and surface samples SS-2 through SS-4 from the Globe Site. Select samples were analyzed for VOCs, SVOCs, metals and/or PCBs. Elevated concentrations of VOCs, SVOCs, metals and PCBs were detected in most of the soil boring locations, including some SVOC and metal analytes above Part 375 Restricted-Industrial SCOs. The analytical results are presented on Table 2 and further discussed below. The analytical data package is included in Attachment 1.

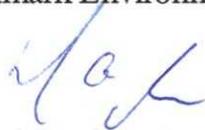
SUMMARY AND CONCLUSIONS

- Arsenic was detected at 666 ppm, well above its Industrial SCO of 16 ppm, in the sample collected from STACK-1. Other metals detected in that sample included barium (1,250 ppm), cadmium (30 ppm) and lead (1,900 ppm), which are present above Commercial SCOs, as well as chromium (101 ppm) and selenium (55 ppm). Metals that were present in SS-1 include arsenic (15.3 ppm), barium (447 ppm), cadmium (9.3 ppm), chromium (245 ppm), lead (629 ppm) and mercury (0.4 ppm). Another smoke stack, located on the Globe portion of the property, was not accessible for sampling during this investigation. That stack likely contains similar constituents of concern as identified in the STACK-1 sample.
- Based on our experience at other sites with metals contamination, concentrations of arsenic, cadmium, chromium and lead are present in the soil at the Globe Site and Solsil Site at concentrations that may require handling of soil and/or sediment as hazardous waste if excavated and removed from the site during redevelopment activities.
- Benzo(a)pyrene was detected above industrial SCOs for SVOCs in SS-1 and SB-3. Numerous SVOCs were also detected at concentrations that exceeded Unrestricted SCOs.
- Sheening, elevated PID readings and odors were noted in boring location SB-6. Elevated PID reading and odors were noted in boring location SB-2. Additional soil sampling and installation of groundwater monitoring wells is recommended in these areas to determine the extent of impacts.
- Aboveground storage tanks at the Globe Site that are not intended to be utilized in the future should be drained, cleaned and removed from the Site. Liquid and/or sediment contents should be sampled and properly characterized for off-Site disposal.
- Abandoned drums on the Globe Site and Solsil Site will require sampling and characterization prior to off-Site disposal. Handling, transportation and off-Site disposal of drums and their contents should be conducted in accordance with applicable federal, state and/or local regulations.
- Areas of obvious petroleum surface staining on the Solsil Site and Globe Site should be cleaned and/or excavated to the extents of the petroleum-impacted surfaces and/or underlying soil. Handling, transportation and off-Site disposal of impacted soil or other materials (e.g., concrete) should be conducted in accordance with applicable federal, state and/or local regulations.
- The gray and green-colored material as well as the tar-like material noted in the northern portion of the Globe site should be sampled and properly characterized. Based on the 100-year historic use of the Globe and Solsil Sites for metal alloy manufacturing and steel finishing, chromium or other metals waste may have been generated on-Site. Based on our experience at other historic industrial sites in Niagara Falls, green-colored consolidated wastes encountered at other industrial sites contained elevated concentrations of chromium. The tar-like substance may contain elevated concentrations of VOCs and/or PAHs

- Based on this limited preliminary investigation, analytical results and field observations suggest historic releases from previous industrial operations at both the Globe Site and Solsil Site. However, we recommend a more thorough investigation of both Sites to better define the extents of contaminants in all media, including groundwater, subsurface soil, surface soil, sediments, solid/sediment contents of drums and liquid contents of ASTs and drums. Interior building areas, including former machine shops, transformer rooms and maintenance areas should also be sampled prior to any planned demolition activities.
- Based on the approximate 100-year historic heavy industrial use of the site, significant recognized environmental concerns related to the historic Site use, the confirmed presence of contaminants at concentrations that require mitigation, and redevelopment challenges that are involved in redevelopment of these types of properties, both redevelopment projects (i.e., the Globe Site and the Solsil Site) appear to be good candidates for the New York Brownfield Cleanup Program.

Thank you for allowing Benchmark to provide environmental consulting services to Globe Metallurgical, Inc. Please contact us if you have any questions or require additional information.

Sincerely,
Benchmark Environmental Engineering & Science, PLLC



Michael Lesakowski
Project Manager

Att.

C: File 0170-001-100

TABLES



TABLE 1
SUMMARY OF SOIL ANALYTICAL RESULTS
GLOBE METALLURGICAL, INC.
3807 HIGHLAND AVENUE SITE
NIAGARA FALLS, NEW YORK

| Depth (fbgs) | SOIL BORING LOCATIONS | | | | | | | | | | |
|--------------|-----------------------|------------|------------|------------|------------|------------|------------|------------|------------|-------------|-------------|
| | SB-1 (ppm) | SB-2 (ppm) | SB-3 (ppm) | SB-4 (ppm) | SB-5 (ppm) | SB-6 (ppm) | SB-7 (ppm) | SB-8 (ppm) | SB-9 (ppm) | SB-10 (ppm) | SB-11 (ppm) |
| (0 - 2) | 23.8 | 28.3 | 201.0 | 9.1 | 1.1 | 0.0 | 0.3 | 0.0 | 12.2 | 34.1 | 15.7 |
| (2 - 4) | | 436.0 | | 7.7 | 0.8 | | | | | | |
| (4 - 6) | 58.7 | 533.0 | -- | 9.1 | 0.0 | 0.0 | 0.2 | -- | 4.4 | 57.1 | 47.1 |
| (6 - 8) | 283.0 | | -- | | | | | -- | | | |
| (8 - 10) | -- | 401.0 | -- | -- | 0.0 | 0.2 | 0.9 | -- | -- | -- | 88.3 |
| (10-12) | -- | 183.0 | -- | -- | 0.0 | 32.8 | -- | -- | -- | -- | 13.2 |
| (12-14) | -- | 53.8 | -- | -- | -- | 68.7 | -- | -- | -- | -- | -- |

Note:

Highest recorded PID readings within a given depth range shown

NA - Not Applicable

19.5 PID readings above 5 ppm

"--" = sample was not collected at that depth

**TABLE 2
SUMMARY OF SOIL ANALYTICAL RESULTS
GLOBE METALLURGICAL, INC.
3807 HIGHLAND AVENUE SITE
NIAGARA FALLS, NEW YORK**

| Parameter ¹ | Sample Locations | | | | | | | | | | | | | | Unrestricted SCOs (ppm) | Restricted SCOs Commercial (ppm) | Restricted SCOs Industrial (ppm) |
|--|------------------|------|---------|-------------------|---------------|---------------|---------------|---------------|-----------------|---------------|---------------|---------------|----------------|-----------------|-------------------------------|---|---|
| | SS-1 | SS-2 | Stack-1 | SB-1 (5.5-7.5) | SB-2 (4-8) | SB-3 (0-3) | SB-4 (4-6) | SB-5 (4-8) | SB-6 (10-14) | SB-7 (4-8) | SB-8 (0-4) | SB-9 (0-4) | SB-10 (4-7) | SB-11 (8-10) | | | |
| TCL Volatile Organic Compounds (VOCs) + STARS (VOCs) - mg/kg ⁴ | | | | | | | | | | | | | | | | | |
| Acetone | -- | -- | -- | 0.029 B | 0.02 BJ | 0.16 B | -- | -- | 0.02 BJ | -- | -- | -- | ND | ND | 0.05 | 500 | 1000 |
| 2-Butanone (MEK) | -- | -- | -- | ND | ND | 0.016 J | -- | -- | ND | -- | -- | -- | ND | ND | | | |
| Carbon disulfide | -- | -- | -- | 0.003 J | 0.003 J | 0.004 J | -- | -- | 0.003 J | -- | -- | -- | 0.002 J | 0.002 J | | | |
| Isopropylbenzene (Cumene) | -- | -- | -- | ND | ND | ND | -- | -- | 0.001 J | -- | -- | -- | ND | ND | | | |
| Methylcyclohexane | -- | -- | -- | ND | ND | ND | -- | -- | 0.003 J | -- | -- | -- | ND | ND | | | |
| Methylene chloride | -- | -- | -- | 0.011 B | 0.015 B | 0.008 B | -- | -- | 0.014 B | -- | -- | -- | 0.014 B | 0.012 B | 0.05 | 500 | 1000 |
| Toluene | -- | -- | -- | ND | ND | ND | -- | -- | 0 BJ | -- | -- | -- | ND | ND | 0.7 | 500 | 1000 |
| n-Propylbenzene | -- | -- | -- | ND | ND | ND | -- | -- | 0.003 J | -- | -- | -- | ND | ND | 3.9 | 500 | 1000 |
| p-Cymene (p-isopropyltoluene) | -- | -- | -- | ND | ND | ND | -- | -- | 0.001 J | -- | -- | -- | ND | ND | | | |
| 1,2,4-Trimethylbenzene | -- | -- | -- | ND | 0.004 J | ND | -- | -- | ND | -- | -- | -- | ND | ND | 3.6 | 190 | 380 |
| 1,3,5-Trimethylbenzene | -- | -- | -- | ND | 0.003 J | ND | -- | -- | ND | -- | -- | -- | ND | ND | 8.4 | 190 | 380 |
| n-Butylbenzene | -- | -- | -- | ND | ND | ND | -- | -- | 0.008 | -- | -- | -- | ND | ND | 12 | 500 | 1000 |
| sec-Butylbenzene | -- | -- | -- | ND | ND | ND | -- | -- | 0.004 J | -- | -- | -- | ND | ND | 11 | 500 | 1000 |
| <i>Total TCL VOCs + STARS VOCs</i> | -- | -- | -- | 0.043 | 0.043 | 0.188 | -- | -- | 0.058 | -- | -- | -- | 0.016 | 0.014 | 11 | 500 | 1000 |
| STARS Semi-Volatile Organic Compounds (SVOCs) - mg/kg ⁴ | | | | | | | | | | | | | | | | | |
| Acenaphthene | ND | -- | -- | ND | ND | 0.55 J | -- | ND | 0.14 J | 0.068 J | ND | ND | ND | 0.11 J | 20 | 500 | 1000 |
| Acenaphthylene | ND | -- | -- | ND | ND | 0.18 J | -- | ND | 0.082 J | 0.082 J | ND | ND | ND | ND | 100 | 500 | 1000 |
| Anthracene | ND | -- | -- | 0.015 J | ND | 0.55 J | -- | ND | 0.13 J | 0.2 J | ND | ND | 0.11 J | 0.16 J | 100 | 500 | 1000 |
| Benzo(a)anthracene | 0.7 J | -- | -- | ND | 0.009 J | 1.4 | -- | ND | ND | 0.7 J | ND | ND | 0.35 J | 0.56 J | 1 | 5.6 | 11 |
| Benzo(b)fluoranthene | 1.8 J | -- | -- | ND | 0.008 J | 2.3 | -- | ND | ND | 0.87 J | ND | ND | 0.5 J | 0.82 J | 1 | 5.6 | 11 |
| Benzo(k)fluoranthene | 1.2 J | -- | -- | ND | 0.021 J | 0.72 J | -- | ND | ND | 0.29 J | ND | 0.019 J | 0.21 J | 0.29 J | 0.8 | 56 | 110 |
| Benzo(g,h,i)perylene | 0.65 J | -- | -- | ND | ND | 1.6 | -- | ND | ND | 0.47 J | ND | ND | 0.21 J | 0.31 J | 100 | 500 | 1000 |
| Benzo(a)pyrene | 1.3 J | -- | -- | ND | ND | 2.1 | -- | ND | ND | 0.66 J | ND | ND | 0.38 J | 0.6 J | 1 | 1 | 1.1 |
| Chrysene | 2.2 BJ | -- | -- | 0.02 BJ | 0.02 BJ | 1.5 B | -- | 0.02 BJ | 0.13 BJ | 0.68 BJ | 0.03 BJ | 0.02 BJ | 0.44 BJ | 0.71 BJ | 1 | 56 | 110 |
| Dibenzo(a,h)anthracene | ND | -- | -- | ND | ND | 0.35 J | -- | ND | ND | 0.15 J | ND | ND | 0.073 J | 0.11 J | 0.33 | 0.56 | 1.1 |
| Fluoranthene | 1.3 J | -- | -- | 0.015 J | 0.013 J | 2.8 | -- | ND | 0.048 J | 1.3 | 0.009 J | 0.01 J | 0.5 J | 1.1 | 100 | 500 | 1000 |
| Fluorene | ND | -- | -- | ND | ND | 0.39 J | -- | ND | 0.3 J | ND | ND | ND | 0.043 J | 0.064 J | 30 | 500 | 1000 |
| Indeno(1,2,3-cd)pyrene | 0.6 J | -- | -- | ND | ND | 1.4 | -- | ND | ND | 0.41 J | ND | ND | 0.22 J | 0.27 J | 0.5 | 5.6 | 11 |

**TABLE 2
SUMMARY OF SOIL ANALYTICAL RESULTS
GLOBE METALLURGICAL, INC.
3807 HIGHLAND AVENUE SITE
NIAGARA FALLS, NEW YORK**

| Parameter ¹ | Sample Locations | | | | | | | | | | | | | | Unrestricted SCOs (ppm) | Restricted SCOs Commercial (ppm) | Restricted SCOs Industrial (ppm) |
|--|------------------|------|---------|----------------|------------|------------|------------|------------|--------------|------------|------------|------------|-------------|--------------|-------------------------|----------------------------------|----------------------------------|
| | SS-1 | SS-2 | Stack-1 | SB-1 (5.5-7.5) | SB-2 (4-8) | SB-3 (0-3) | SB-4 (4-6) | SB-5 (4-8) | SB-6 (10-14) | SB-7 (4-8) | SB-8 (0-4) | SB-9 (0-4) | SB-10 (4-7) | SB-11 (8-10) | | | |
| 2-Methylnaphthalene | 1.5 J | -- | -- | ND | ND | 0.22 J | -- | ND | 0.27 J | 0.052 J | ND | ND | ND | ND | | | |
| Naphthalene | 0.78 J | -- | -- | ND | ND | 0.33 J | -- | ND | ND | 0.069 J | ND | ND | 0.04 J | 0.072 J | 12 | 500 | 1000 |
| Phenanthrene | 2 BJ | -- | -- | 0.02 BJ | 0.02 BJ | 2.1 B | -- | 0.01 BJ | 0.68 BJ | 0.7 BJ | 0.02 BJ | 0.02 BJ | 0.33 BJ | 0.74 BJ | 100 | 500 | 1000 |
| Pyrene | 1.6 J | -- | -- | 0.016 J | 0.011 J | 2.6 | -- | ND | 0.085 J | 1 J | ND | ND | 0.4 J | 0.84 J | 100 | 500 | 1000 |
| <i>Total STARS SVOCs</i> | 15.63 | -- | -- | 0.081 | 0.097 | 21.09 | -- | 0.03 | 1.865 | 7.701 | 0.049 | 0.065 | 3.806 | 6.756 | | | |
| RCRA Metals - mg/kg ⁴ | | | | | | | | | | | | | | | | | |
| Arsenic | 15.3 | ND | 666 | 3.7 | 6.8 | 11.9 | 3 | 2.9 | 2.4 | 14.1 | 4.5 | ND | 10.5 | 11.2 | 13 | 16 | 16 |
| Barium | 447 | 88.7 | 1250 | 75.8 | 290 | 77.6 | 36.6 | 63.6 | 22 | 375 | 174 | 20.8 | 94 | 111 | 350 | 400 | 10,000 |
| Cadmium | 9.3 | 0.8 | 30.3 | ND | 0.86 | 1.2 | ND | ND | 1.8 | 1.2 | 0.29 | 1.6 | 1.3 | 1.5 | 2.5 | 9.3 | 60 |
| Chromium | 245 | 17.1 | 101 | 12.8 | 692 | 105 | 11.3 | 15.7 | 15.6 | 830 | 30.2 | 15.2 | 310 | 483 | 30 | 1,500 | 6,800 |
| Lead | 629 | 47.7 | 1900 | 5.9 | 212 | 74.6 | 3 | 5.2 | 177 | 168 | 10.9 | 52.4 | 409 | 508 | 63 | 1,000 | 3,900 |
| Mercury | 0.4 | 1.2 | 0.043 | 0.043 | 0.095 | ND | ND | ND | 0.048 | ND | ND | 0.23 | 0.036 | 0.071 | 0.18 | 2.8 | 5.7 |
| Selenium | ND | ND | 55.3 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 3.9 | 1,500 | 6,800 |
| Polychlorinated Biphenyls (PCBs) - mg/kg ⁴ | | | | | | | | | | | | | | | | | |
| Aroclor 1254 | 0.63 | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | ND | 0.1 | 1 | 25 |
| Aroclor 1260 | ND | ND | ND | ND | ND | 0.84 | ND | ND | ND | ND | ND | ND | ND | ND | 0.1 | 1 | 25 |
| <i>Total PCBs</i> | 0.63 | -- | -- | -- | -- | 0.84 | -- | -- | -- | -- | -- | -- | -- | -- | 0.1 | 1 | 25 |

Notes:

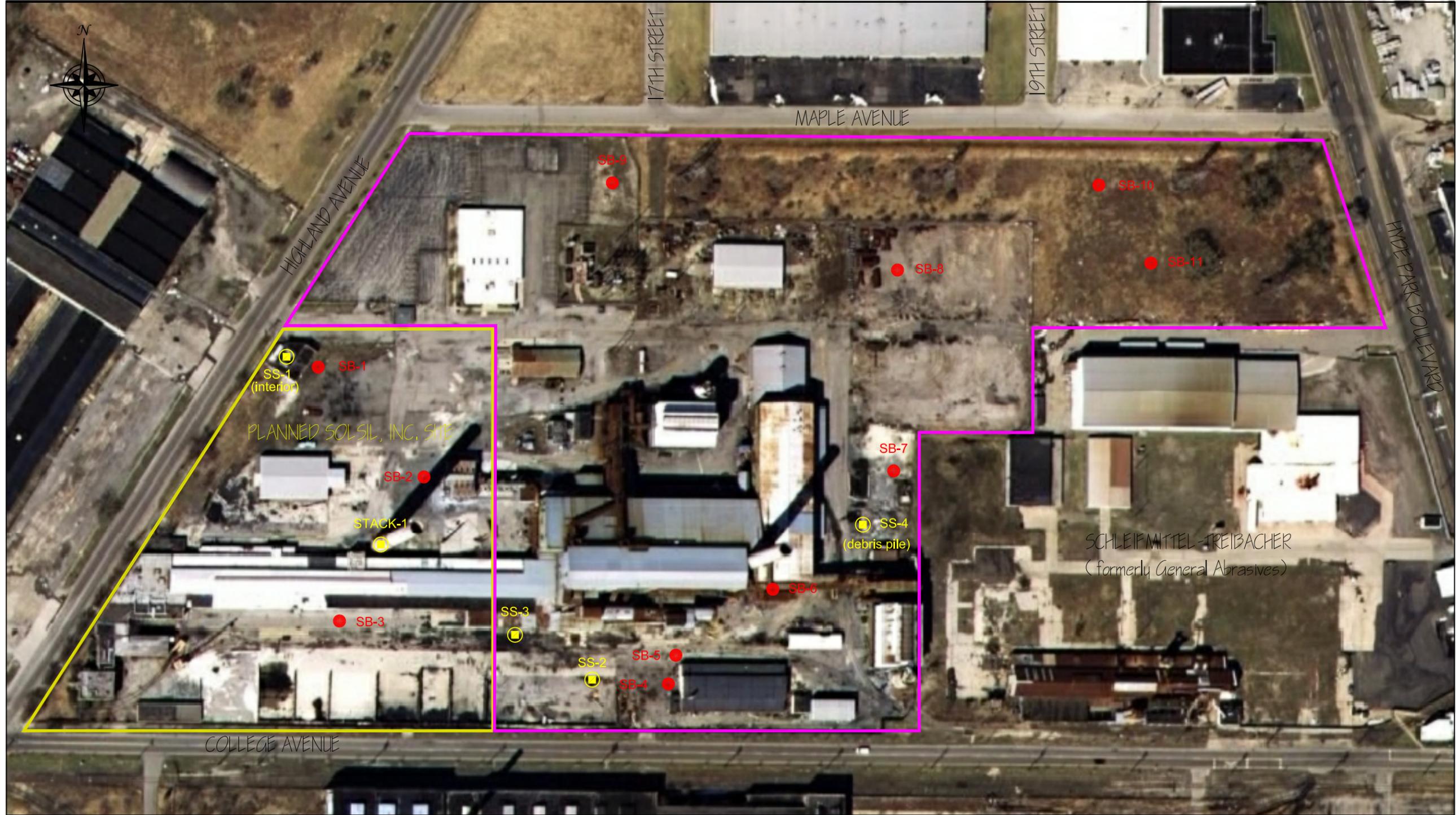
1. Only those parameters detected at a minimum of one sample location are presented in this table; all other compounds were reported as non-detect.
2. Values per 6 NYCRR Part 375 NYSDEC Soil Cleanup Objectives .
3. Sample results were reported by the laboratory in ug/kg and converted to mg/kg for comparison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

Definitions:

- ND = Parameter not detected above laboratory detection limit.
- J = Estimated value; result is less than the sample quantitation limit but greater than zero.
- B = Analyte was detected in the associated blank as well as in the sample. Value is above the action level for consideration as being external contamination.

| | |
|--|-----------------------------|
| | = Exceeds Unrestricted SCOs |
| | = Exceeds Commercial SCOs |
| | = Exceeds Industrial SCOs |

FIGURES



LEGEND:

- PROPERTY BOUNDARY (GLOBE)
- PROPERTY BOUNDARY (SOLSIL)
- SS-1 ● SURFACE SAMPLE LOCATION
- SB-1 ● SOIL BORING LOCATION

NOT TO SCALE

BENCHMARK
ENVIRONMENTAL
ENGINEERING &
SCIENCE, PLLC

726 EXCHANGE STREET
SUITE 624
BUFFALO, NEW YORK 14210
(716) 856-0589

JOB NO.: 0170-001-100

SAMPLE LOCATIONS
PRELIMINARY SITE INVESTIGATION
3807 HIGHLAND AVENUE SITE
NIAGARA FALLS, NEW YORK
PREPARED FOR
GLOBE METALLURGICAL, INC.

FIGURE 1

ATTACHMENT 1

Laboratory Analytical Results

Date: 09/05/2008
Time: 16:12:58

Benchmark
Globe Metallurgical
BENCHMARK-SOIL-SW8463 8270-L PAHS ONLY

Rept: AN1246

| Client ID Job No Sample Date | | Lab ID | | SS-1 A08-A597 08/18/2008 | | A8A59701 | | | |
|------------------------------------|-------|--------------|-----------------|--------------------------------|-----------------|--------------|-----------------|--------------|-----------------|
| Analyte | Units | Sample Value | Reporting Limit | Sample Value | Reporting Limit | Sample Value | Reporting Limit | Sample Value | Reporting Limit |
| Acenaphthene | UG/KG | ND | 11000 | NA | | NA | | NA | |
| Acenaphthylene | UG/KG | ND | 11000 | NA | | NA | | NA | |
| Anthracene | UG/KG | ND | 11000 | NA | | NA | | NA | |
| Benzo(a)anthracene | UG/KG | 700 J | 11000 | NA | | NA | | NA | |
| Benzo(b)fluoranthene | UG/KG | 1800 J | 11000 | NA | | NA | | NA | |
| Benzo(k)fluoranthene | UG/KG | 1200 J | 11000 | NA | | NA | | NA | |
| Benzo(ghi)perylene | UG/KG | 650 J | 11000 | NA | | NA | | NA | |
| Benzo(a)pyrene | UG/KG | 1300 J | 11000 | NA | | NA | | NA | |
| Chrysene | UG/KG | 2200 BJ | 11000 | NA | | NA | | NA | |
| Dibenzo(a,h)anthracene | UG/KG | ND | 11000 | NA | | NA | | NA | |
| Fluoranthene | UG/KG | 1300 J | 11000 | NA | | NA | | NA | |
| Fluorene | UG/KG | ND | 11000 | NA | | NA | | NA | |
| Indeno(1,2,3-cd)pyrene | UG/KG | 600 J | 11000 | NA | | NA | | NA | |
| 2-Methylnaphthalene | UG/KG | 1500 J | 11000 | NA | | NA | | NA | |
| Naphthalene | UG/KG | 780 J | 11000 | NA | | NA | | NA | |
| Phenanthrene | UG/KG | 2000 BJ | 11000 | NA | | NA | | NA | |
| Pyrene | UG/KG | 1600 J | 11000 | NA | | NA | | NA | |
| IS/SURROGATE(S) | | | | | | | | | |
| 1,4-Dichlorobenzene-D4 | % | 83 | 50-200 | NA | | NA | | NA | |
| Naphthalene-D8 | % | 88 | 50-200 | NA | | NA | | NA | |
| Acenaphthene-D10 | % | 90 | 50-200 | NA | | NA | | NA | |
| Phenanthrene-D10 | % | 97 | 50-200 | NA | | NA | | NA | |
| Chrysene-D12 | % | 118 | 50-200 | NA | | NA | | NA | |
| Perylene-D12 | % | 149 | 50-200 | NA | | NA | | NA | |
| Nitrobenzene-D5 | % | 97 | 35-120 | NA | | NA | | NA | |
| 2-Fluorobiphenyl | % | 83 | 43-120 | NA | | NA | | NA | |
| p-Terphenyl-d14 | % | 82 | 51-125 | NA | | NA | | NA | |
| Phenol-D5 | % | 90 | 38-120 | NA | | NA | | NA | |
| 2-Fluorophenol | % | 76 | 30-120 | NA | | NA | | NA | |
| 2,4,6-Tribromophenol | % | 100 | 46-129 | NA | | NA | | NA | |

NA = Not Applicable ND = Not Detected

TestAmerica Lab

Date: 09/05/2008
 Time: 16:12:58

Benchmark
 Globe Metallurgical
 METHOD 8082 - POLYCHLORINATED BIPHENYLS

Rept: AN1246

| Client ID Job No Sample Date | | Lab ID | SS-1 A08-A597 08/18/2008 | A8A59701 | | | | | |
|------------------------------------|-------|--------------|--------------------------------|--------------|-----------------|--------------|-----------------|--------------|-----------------|
| Analyte | Units | Sample Value | Reporting Limit | Sample Value | Reporting Limit | Sample Value | Reporting Limit | Sample Value | Reporting Limit |
| Aroclor 1016 | UG/KG | ND | 210 | NA | | NA | | NA | |
| Aroclor 1221 | UG/KG | ND | 210 | NA | | NA | | NA | |
| Aroclor 1232 | UG/KG | ND | 210 | NA | | NA | | NA | |
| Aroclor 1242 | UG/KG | ND | 210 | NA | | NA | | NA | |
| Aroclor 1248 | UG/KG | ND | 210 | NA | | NA | | NA | |
| Aroclor 1254 | UG/KG | 630 | 210 | NA | | NA | | NA | |
| Aroclor 1260 | UG/KG | ND | 210 | NA | | NA | | NA | |
| SURROGATE(S) | | | | | | | | | |
| Tetrachloro-m-xylene | % | 100 | 35-134 | NA | | NA | | NA | |
| Decachlorobiphenyl | % | 270 * | 34-148 | NA | | NA | | NA | |

NA = Not Applicable ND = Not Detected

TestAmerica Lab

Date: 09/05/2008
 Time: 16:13:19

Benchmark
 Globe Metallurgical
 BENCHMARK - SW8463 RCRA METALS - S

Rept: AN1246

| Client ID Job No Sample Date | | Lab ID | | SS-1 A08-A597 08/18/2008 A8A59701 | | SS-2 A08-A597 08/18/2008 A8A59702 | | STACK-1 A08-A597 08/18/2008 A8A59705 | | | |
|------------------------------------|-------|--------------|-----------------|--|-----------------|--|-----------------|---|-----------------|--------------|-----------------|
| Analyte | Units | Sample Value | Reporting Limit | Sample Value | Reporting Limit | Sample Value | Reporting Limit | Sample Value | Reporting Limit | Sample Value | Reporting Limit |
| Arsenic - Total | MG/KG | 15.3 | 2.7 | ND | 5.2 | 666 | 2.4 | NA | | | |
| Barium - Total | MG/KG | 447 | 0.67 | 88.7 | 1.3 | 1250 | 3.0 | NA | | | |
| Cadmium - Total | MG/KG | 9.3 | 0.27 | 0.80 | 0.52 | 30.3 | 0.24 | NA | | | |
| Chromium - Total | MG/KG | 245 | 0.67 | 17.1 | 1.3 | 101 | 0.60 | NA | | | |
| Lead - Total | MG/KG | 629 | 1.3 | 47.7 | 2.6 | 1900 | 1.2 | NA | | | |
| Mercury - Total | MG/KG | 0.40 | 0.027 | 1.2 | 0.052 | 0.043 | 0.027 | NA | | | |
| Selenium - Total | MG/KG | ND | 5.3 | ND | 10.4 | 55.3 | 4.8 | NA | | | |
| Silver - Total | MG/KG | ND | 0.67 | ND | 1.3 | ND | 0.60 | NA | | | |

NA = Not Applicable ND = Not Detected

TestAmerica Lab

Date: 09/05/2008
Time: 16:14:02

Benchmark
Globe Metallurgical
METHOD 8260 - TCL VOLATILE ORGANICS+STARS

Rept: AN1246

| Client ID | | SB-1 (5.5-7.5) | | SB-2 (4-8) | | SB-3 (0-3) | | SB-6 (10-14) | |
|-----------------------------|-------|----------------|-----------------|--------------|-----------------|--------------|-----------------|--------------|-----------------|
| Job No | | A08-A609 | A8A60901 | A08-A609 | A8A60902 | A08-A609 | A8A60903 | A08-A609 | A8A60906 |
| Sample Date | | 08/27/2008 | | 08/27/2008 | | 08/27/2008 | | 08/27/2008 | |
| Analyte | Units | Sample Value | Reporting Limit | Sample Value | Reporting Limit | Sample Value | Reporting Limit | Sample Value | Reporting Limit |
| Acetone | UG/KG | 29 B | 29 | 18 BJ | 29 | 160 B | 29 | 19 BJ | 28 |
| Benzene | UG/KG | ND | 6 | ND | 6 | ND | 6 | ND | 6 |
| Bromodichloromethane | UG/KG | ND | 6 | ND | 6 | ND | 6 | ND | 6 |
| Bromoform | UG/KG | ND | 6 | ND | 6 | ND | 6 | ND | 6 |
| Bromomethane | UG/KG | ND | 6 | ND | 6 | ND | 6 | ND | 6 |
| 2-Butanone | UG/KG | ND | 29 | ND | 29 | 16 J | 29 | ND | 28 |
| Carbon Disulfide | UG/KG | 3 J | 6 | 3 J | 6 | 4 J | 6 | 3 J | 6 |
| Carbon Tetrachloride | UG/KG | ND | 6 | ND | 6 | ND | 6 | ND | 6 |
| Chlorobenzene | UG/KG | ND | 6 | ND | 6 | ND | 6 | ND | 6 |
| Chloroethane | UG/KG | ND | 6 | ND | 6 | ND | 6 | ND | 6 |
| Chloroform | UG/KG | ND | 6 | ND | 6 | ND | 6 | ND | 6 |
| Chloromethane | UG/KG | ND | 6 | ND | 6 | ND | 6 | ND | 6 |
| Cyclohexane | UG/KG | ND | 6 | ND | 6 | ND | 6 | ND | 6 |
| 1,2-Dibromoethane | UG/KG | ND | 6 | ND | 6 | ND | 6 | ND | 6 |
| Dibromochloromethane | UG/KG | ND | 6 | ND | 6 | ND | 6 | ND | 6 |
| 1,2-Dibromo-3-chloropropane | UG/KG | ND | 6 | ND | 6 | ND | 6 | ND | 6 |
| 1,2-Dichlorobenzene | UG/KG | ND | 6 | ND | 6 | ND | 6 | ND | 6 |
| 1,3-Dichlorobenzene | UG/KG | ND | 6 | ND | 6 | ND | 6 | ND | 6 |
| 1,4-Dichlorobenzene | UG/KG | ND | 6 | ND | 6 | ND | 6 | ND | 6 |
| Dichlorodifluoromethane | UG/KG | ND | 6 | ND | 6 | ND | 6 | ND | 6 |
| 1,1-Dichloroethane | UG/KG | ND | 6 | ND | 6 | ND | 6 | ND | 6 |
| 1,2-Dichloroethane | UG/KG | ND | 6 | ND | 6 | ND | 6 | ND | 6 |
| 1,1-Dichloroethene | UG/KG | ND | 6 | ND | 6 | ND | 6 | ND | 6 |
| cis-1,2-Dichloroethene | UG/KG | ND | 6 | ND | 6 | ND | 6 | ND | 6 |
| trans-1,2-Dichloroethene | UG/KG | ND | 6 | ND | 6 | ND | 6 | ND | 6 |
| 1,2-Dichloropropane | UG/KG | ND | 6 | ND | 6 | ND | 6 | ND | 6 |
| cis-1,3-Dichloropropene | UG/KG | ND | 6 | ND | 6 | ND | 6 | ND | 6 |
| trans-1,3-Dichloropropene | UG/KG | ND | 6 | ND | 6 | ND | 6 | ND | 6 |
| Ethylbenzene | UG/KG | ND | 6 | ND | 6 | ND | 6 | ND | 6 |
| 2-Hexanone | UG/KG | 29 | 29 | ND | 29 | ND | 29 | ND | 28 |
| Isopropylbenzene | UG/KG | ND | 6 | ND | 6 | ND | 6 | 1 J | 6 |
| Methyl acetate | UG/KG | ND | 6 | ND | 6 | ND | 6 | ND | 6 |
| Methylcyclohexane | UG/KG | ND | 6 | ND | 6 | ND | 6 | 3 J | 6 |
| Methylene chloride | UG/KG | 11 B | 6 | 15 B | 6 | 8 B | 6 | 14 B | 6 |
| 4-Methyl-2-pentanone | UG/KG | ND | 29 | ND | 29 | ND | 29 | ND | 28 |
| Methyl-t-Butyl Ether (MTBE) | UG/KG | ND | 6 | ND | 6 | ND | 6 | ND | 6 |
| Styrene | UG/KG | ND | 6 | ND | 6 | ND | 6 | ND | 6 |
| 1,1,2,2-Tetrachloroethane | UG/KG | ND | 6 | ND | 6 | ND | 6 | ND | 6 |
| Tetrachloroethene | UG/KG | ND | 6 | ND | 6 | ND | 6 | ND | 6 |
| Toluene | UG/KG | ND | 6 | ND | 6 | ND | 6 | 2 BJ | 6 |
| 1,2,4-Trichlorobenzene | UG/KG | ND | 6 | ND | 6 | ND | 6 | ND | 6 |
| 1,1,1-Trichloroethane | UG/KG | ND | 6 | ND | 6 | ND | 6 | ND | 6 |
| 1,1,2-Trichloroethane | UG/KG | ND | 6 | ND | 6 | ND | 6 | ND | 6 |

NA = Not Applicable ND = Not Detected

TestAmerica Lab

Date: 09/05/2008
Time: 16:14:02

Benchmark
Globe Metallurgical
METHOD 8260 - TCL VOLATILE ORGANICS+STARS

Rept: AN1246

| Client ID | | SB-1 (5.5-7.5) | | SB-2 (4-8) | | SB-3 (0-3) | | SB-6 (10-14) | |
|---------------------------------------|-------|----------------|-----------------|--------------|-----------------|--------------|-----------------|--------------|-----------------|
| Job No | | A08-A609 | | A08-A609 | | A08-A609 | | A08-A609 | |
| Lab ID | | A8A60901 | | A8A60902 | | A8A60903 | | A8A60906 | |
| Sample Date | | 08/27/2008 | | 08/27/2008 | | 08/27/2008 | | 08/27/2008 | |
| Analyte | Units | Sample Value | Reporting Limit | Sample Value | Reporting Limit | Sample Value | Reporting Limit | Sample Value | Reporting Limit |
| 1,1,2-Trichloro-1,2,2-trifluoroethane | UG/KG | ND | 6 | ND | 6 | ND | 6 | ND | 6 |
| Trichloroethene | UG/KG | ND | 6 | ND | 6 | ND | 6 | ND | 6 |
| Vinyl chloride | UG/KG | ND | 11 | ND | 12 | ND | 12 | ND | 11 |
| Total Xylenes | UG/KG | ND | 17 | ND | 18 | ND | 17 | ND | 17 |
| o-Xylene | UG/KG | ND | 6 | ND | 6 | ND | 6 | ND | 6 |
| m/p-Xylenes | UG/KG | ND | 11 | ND | 12 | ND | 12 | ND | 11 |
| n-Propylbenzene | UG/KG | ND | 6 | ND | 6 | ND | 6 | 3 J | 6 |
| p-Cymene | UG/KG | ND | 6 | ND | 6 | ND | 6 | 1 J | 6 |
| 1,2,4-Trimethylbenzene | UG/KG | ND | 6 | 4 J | 6 | ND | 6 | ND | 6 |
| 1,3,5-Trimethylbenzene | UG/KG | ND | 6 | 3 J | 6 | ND | 6 | ND | 6 |
| n-Butylbenzene | UG/KG | ND | 6 | ND | 6 | ND | 6 | 8 | 6 |
| sec-Butylbenzene | UG/KG | ND | 6 | ND | 6 | ND | 6 | 4 J | 6 |
| tert-Butylbenzene | UG/KG | ND | 6 | ND | 6 | ND | 6 | ND | 6 |
| IS/SURROGATE(S) | | | | | | | | | |
| Chlorobenzene-D5 | % | 100 | 50-200 | 94 | 50-200 | 96 | 50-200 | 100 | 50-200 |
| 1,4-Difluorobenzene | % | 100 | 50-200 | 92 | 50-200 | 97 | 50-200 | 99 | 50-200 |
| 1,4-Dichlorobenzene-D4 | % | 98 | 50-200 | 91 | 50-200 | 91 | 50-200 | 100 | 50-200 |
| Toluene-D8 | % | 111 | 71-125 | 112 | 71-125 | 114 | 71-125 | 112 | 71-125 |
| p-Bromofluorobenzene | % | 110 | 72-126 | 110 | 72-126 | 110 | 72-126 | 112 | 72-126 |
| 1,2-Dichloroethane-D4 | % | 89 | 61-136 | 93 | 61-136 | 91 | 61-136 | 93 | 61-136 |

NA = Not Applicable ND = Not Detected

TestAmerica Lab

Date: 09/05/2008
Time: 16:14:02

Benchmark
Globe Metallurgical
BENCHMARK-SOIL-SW8463 8270-L PAHS ONLY

Rept: AN1246

| Client ID Job No Sample Date | | SB-1 (5.5-7.5) A08-A609 08/27/2008 | | SB-2 (4-8) A08-A609 08/27/2008 | | SB-3 (0-3) A08-A609 08/27/2008 | | SB-4 (4-6) A08-A609 08/27/2008 | |
|------------------------------------|-------|--|-----------------|--------------------------------------|-----------------|--------------------------------------|-----------------|--------------------------------------|-----------------|
| Lab ID | | A8A60901 | | A8A60902 | | A8A60903 | | A8A60904 | |
| Analyte | Units | Sample Value | Reporting Limit | Sample Value | Reporting Limit | Sample Value | Reporting Limit | Sample Value | Reporting Limit |
| Acenaphthene | UG/KG | ND | 190 | ND | 200 | 550 J | 1100 | ND | 990 |
| Acenaphthylene | UG/KG | ND | 190 | ND | 200 | 180 J | 1100 | ND | 990 |
| Anthracene | UG/KG | 15 J | 190 | ND | 200 | 550 J | 1100 | ND | 990 |
| Benzo(a)anthracene | UG/KG | ND | 190 | 9 J | 200 | 1400 | 1100 | ND | 990 |
| Benzo(b)fluoranthene | UG/KG | ND | 190 | 8 J | 200 | 2300 | 1100 | ND | 990 |
| Benzo(k)fluoranthene | UG/KG | ND | 190 | 21 J | 200 | 720 J | 1100 | ND | 990 |
| Benzo(ghi)perylene | UG/KG | ND | 190 | ND | 200 | 1600 | 1100 | ND | 990 |
| Benzo(a)pyrene | UG/KG | ND | 190 | ND | 200 | 2100 | 1100 | ND | 990 |
| Chrysene | UG/KG | 17 BJ | 190 | 16 BJ | 200 | 1500 B | 1100 | 94 BJ | 990 |
| Dibenzo(a,h)anthracene | UG/KG | ND | 190 | ND | 200 | 350 J | 1100 | ND | 990 |
| Fluoranthene | UG/KG | 15 J | 190 | 13 J | 200 | 2800 | 1100 | ND | 990 |
| Fluorene | UG/KG | ND | 190 | ND | 200 | 390 J | 1100 | ND | 990 |
| Indeno(1,2,3-cd)pyrene | UG/KG | ND | 190 | ND | 200 | 1400 | 1100 | ND | 990 |
| 2-Methylnaphthalene | UG/KG | ND | 190 | ND | 200 | 220 J | 1100 | ND | 990 |
| Naphthalene | UG/KG | ND | 190 | ND | 200 | 330 J | 1100 | ND | 990 |
| Phenanthrene | UG/KG | 18 BJ | 190 | 19 BJ | 200 | 2100 B | 1100 | ND | 990 |
| Pyrene | UG/KG | 16 J | 190 | 11 J | 200 | 2600 | 1100 | ND | 990 |
| IS/SURROGATE(S) | | | | | | | | | |
| 1,4-Dichlorobenzene-D4 | % | 87 | 50-200 | 94 | 50-200 | 83 | 50-200 | 99 | 50-200 |
| Naphthalene-D8 | % | 89 | 50-200 | 94 | 50-200 | 86 | 50-200 | 103 | 50-200 |
| Acenaphthene-D10 | % | 88 | 50-200 | 95 | 50-200 | 87 | 50-200 | 103 | 50-200 |
| Phenanthrene-D10 | % | 78 | 50-200 | 79 | 50-200 | 93 | 50-200 | 91 | 50-200 |
| Chrysene-D12 | % | 86 | 50-200 | 76 | 50-200 | 96 | 50-200 | 98 | 50-200 |
| Perylene-D12 | % | 94 | 50-200 | 81 | 50-200 | 120 | 50-200 | 102 | 50-200 |
| Nitrobenzene-D5 | % | 80 | 35-120 | 80 | 35-120 | 68 | 35-120 | 68 | 35-120 |
| 2-Fluorobiphenyl | % | 79 | 43-120 | 74 | 43-120 | 79 | 43-120 | 66 | 43-120 |
| p-Terphenyl-d14 | % | 88 | 51-125 | 89 | 51-125 | 94 | 51-125 | 79 | 51-125 |
| Phenol-D5 | % | 81 | 38-120 | 76 | 38-120 | 70 | 38-120 | 68 | 38-120 |
| 2-Fluorophenol | % | 68 | 30-120 | 66 | 30-120 | 54 | 30-120 | 58 | 30-120 |
| 2,4,6-Tribromophenol | % | 98 | 46-129 | 95 | 46-129 | 87 | 46-129 | 72 | 46-129 |

NA = Not Applicable ND = Not Detected

TestAmerica Lab

Date: 09/05/2008
Time: 16:14:02

Benchmark
Globe Metallurgical
BENCHMARK-SOIL-SW8463 8270-L PAHS ONLY

Rept: AN1246

| Client ID Job No Sample Date | | SB-5 (4-8) A08-A609 08/27/2008 | | SB-6 (10-14) A08-A609 08/27/2008 | | SB-7 (4-8) A08-A609 08/27/2008 | | SB-8 (0-4) A08-A609 08/27/2008 | |
|------------------------------------|-------|--------------------------------------|-----------------|--|-----------------|--------------------------------------|-----------------|--------------------------------------|-----------------|
| Lab ID | | A8A60905 | | A8A60906 | | A8A60907 | | A8A60908 | |
| Analyte | Units | Sample Value | Reporting Limit | Sample Value | Reporting Limit | Sample Value | Reporting Limit | Sample Value | Reporting Limit |
| Acenaphthene | UG/KG | ND | 210 | 140 J | 930 | 68 J | 1100 | ND | 210 |
| Acenaphthylene | UG/KG | ND | 210 | 82 J | 930 | 82 J | 1100 | ND | 210 |
| Anthracene | UG/KG | ND | 210 | 130 J | 930 | 200 J | 1100 | ND | 210 |
| Benzo(a)anthracene | UG/KG | ND | 210 | ND | 930 | 700 J | 1100 | ND | 210 |
| Benzo(b)fluoranthene | UG/KG | ND | 210 | ND | 930 | 870 J | 1100 | ND | 210 |
| Benzo(k)fluoranthene | UG/KG | ND | 210 | ND | 930 | 290 J | 1100 | ND | 210 |
| Benzo(ghi)perylene | UG/KG | ND | 210 | ND | 930 | 470 J | 1100 | ND | 210 |
| Benzo(a)pyrene | UG/KG | ND | 210 | ND | 930 | 660 J | 1100 | ND | 210 |
| Chrysene | UG/KG | 20 BJ | 210 | 130 BJ | 930 | 680 BJ | 1100 | 25 BJ | 210 |
| Dibenzo(a,h)anthracene | UG/KG | ND | 210 | ND | 930 | 150 J | 1100 | ND | 210 |
| Fluoranthene | UG/KG | ND | 210 | 48 J | 930 | 1300 | 1100 | 9 J | 210 |
| Fluorene | UG/KG | ND | 210 | 300 J | 930 | ND | 1100 | ND | 210 |
| Indeno(1,2,3-cd)pyrene | UG/KG | ND | 210 | ND | 930 | 410 J | 1100 | ND | 210 |
| 2-Methylnaphthalene | UG/KG | ND | 210 | 270 J | 930 | 52 J | 1100 | ND | 210 |
| Naphthalene | UG/KG | ND | 210 | ND | 930 | 69 J | 1100 | ND | 210 |
| Phenanthrene | UG/KG | 10 BJ | 210 | 680 BJ | 930 | 700 BJ | 1100 | 15 BJ | 210 |
| Pyrene | UG/KG | ND | 210 | 85 J | 930 | 1000 J | 1100 | ND | 210 |
| IS/SURROGATE(S) | | | | | | | | | |
| 1,4-Dichlorobenzene-D4 | % | 91 | 50-200 | 89 | 50-200 | 88 | 50-200 | 91 | 50-200 |
| Naphthalene-D8 | % | 93 | 50-200 | 89 | 50-200 | 93 | 50-200 | 93 | 50-200 |
| Acenaphthene-D10 | % | 93 | 50-200 | 92 | 50-200 | 95 | 50-200 | 91 | 50-200 |
| Phenanthrene-D10 | % | 80 | 50-200 | 94 | 50-200 | 103 | 50-200 | 82 | 50-200 |
| Chrysene-D12 | % | 88 | 50-200 | 99 | 50-200 | 104 | 50-200 | 92 | 50-200 |
| Perylene-D12 | % | 92 | 50-200 | 120 | 50-200 | 129 | 50-200 | 104 | 50-200 |
| Nitrobenzene-D5 | % | 73 | 35-120 | 82 | 35-120 | 75 | 35-120 | 80 | 35-120 |
| 2-Fluorobiphenyl | % | 69 | 43-120 | 81 | 43-120 | 74 | 43-120 | 78 | 43-120 |
| p-Terphenyl-d14 | % | 86 | 51-125 | 90 | 51-125 | 84 | 51-125 | 88 | 51-125 |
| Phenol-D5 | % | 73 | 38-120 | 79 | 38-120 | 78 | 38-120 | 79 | 38-120 |
| 2-Fluorophenol | % | 64 | 30-120 | 66 | 30-120 | 67 | 30-120 | 72 | 30-120 |
| 2,4,6-Tribromophenol | % | 88 | 46-129 | 86 | 46-129 | 77 | 46-129 | 95 | 46-129 |

NA = Not Applicable ND = Not Detected

TestAmerica Lab

Date: 09/05/2008
Time: 16:14:02

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BENCHMARK-SOIL-SW8463 8270-L PAHS ONLY

Rept: AN1246

| Client ID | | SB-9 (0-4) | | | | | | | |
|------------------------|-------|--------------|-----------------|--------------|-----------------|--------------|-----------------|--------------|-----------------|
| Job No | | A08-A609 | | ABA60909 | | | | | |
| Sample Date | | 08/27/2008 | | | | | | | |
| Analyte | Units | Sample Value | Reporting Limit |
| Acenaphthene | UG/KG | ND | 210 | NA | | NA | | NA | |
| Acenaphthylene | UG/KG | ND | 210 | NA | | NA | | NA | |
| Anthracene | UG/KG | ND | 210 | NA | | NA | | NA | |
| Benzo(a)anthracene | UG/KG | ND | 210 | NA | | NA | | NA | |
| Benzo(b)fluoranthene | UG/KG | ND | 210 | NA | | NA | | NA | |
| Benzo(k)fluoranthene | UG/KG | 19 J | 210 | NA | | NA | | NA | |
| Benzo(ghi)perylene | UG/KG | ND | 210 | NA | | NA | | NA | |
| Benzo(a)pyrene | UG/KG | ND | 210 | NA | | NA | | NA | |
| Chrysene | UG/KG | 21 BJ | 210 | NA | | NA | | NA | |
| Dibenzo(a,h)anthracene | UG/KG | ND | 210 | NA | | NA | | NA | |
| Fluoranthene | UG/KG | 10 J | 210 | NA | | NA | | NA | |
| Fluorene | UG/KG | ND | 210 | NA | | NA | | NA | |
| Indeno(1,2,3-cd)pyrene | UG/KG | ND | 210 | NA | | NA | | NA | |
| 2-Methylnaphthalene | UG/KG | ND | 210 | NA | | NA | | NA | |
| Naphthalene | UG/KG | ND | 210 | NA | | NA | | NA | |
| Phenanthrene | UG/KG | 15 BJ | 210 | NA | | NA | | NA | |
| Pyrene | UG/KG | ND | 210 | NA | | NA | | NA | |
| IS/SURROGATE(S) | | | | | | | | | |
| 1,4-Dichlorobenzene-D4 | % | 89 | 50-200 | NA | | NA | | NA | |
| Naphthalene-D8 | % | 89 | 50-200 | NA | | NA | | NA | |
| Acenaphthene-D10 | % | 89 | 50-200 | NA | | NA | | NA | |
| Phenanthrene-D10 | % | 78 | 50-200 | NA | | NA | | NA | |
| Chrysene-D12 | % | 87 | 50-200 | NA | | NA | | NA | |
| Perylene-D12 | % | 97 | 50-200 | NA | | NA | | NA | |
| Nitrobenzene-D5 | % | 78 | 35-120 | NA | | NA | | NA | |
| 2-Fluorobiphenyl | % | 74 | 43-120 | NA | | NA | | NA | |
| p-Terphenyl-d14 | % | 89 | 51-125 | NA | | NA | | NA | |
| Phenol-D5 | % | 76 | 38-120 | NA | | NA | | NA | |
| 2-Fluorophenol | % | 67 | 30-120 | NA | | NA | | NA | |
| 2,4,6-Tribromophenol | % | 92 | 46-129 | NA | | NA | | NA | |

NA = Not Applicable ND = Not Detected

TestAmerica Lab

Date: 09/05/2008
Time: 16:14:02

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Globe Metallurgical
METHOD 8082 - POLYCHLORINATED BIPHENYLS

Rept: AN1246

| Client ID Job No Sample Date | | Lab ID | SB-1 (5.5-7.5) A08-A609 08/27/2008 ABA60901 | | SB-2 (4-8) A08-A609 08/27/2008 ABA60902 | | SB-3 (0-3) A08-A609 08/27/2008 ABA60903 | | SB-4 (4-6) A08-A609 08/27/2008 ABA60904 | |
|------------------------------------|-------|--------------|--|--------------|--|--------------|--|--------------|--|--|
| Analyte | Units | Sample Value | Reporting Limit | Sample Value | Reporting Limit | Sample Value | Reporting Limit | Sample Value | Reporting Limit | |
| Aroclor 1016 | UG/KG | ND | 19 | ND | 19 | ND | 84 | ND | 19 | |
| Aroclor 1221 | UG/KG | ND | 19 | ND | 19 | ND | 84 | ND | 19 | |
| Aroclor 1232 | UG/KG | ND | 19 | ND | 19 | ND | 84 | ND | 19 | |
| Aroclor 1242 | UG/KG | ND | 19 | ND | 19 | ND | 84 | ND | 19 | |
| Aroclor 1248 | UG/KG | ND | 19 | ND | 19 | ND | 84 | ND | 19 | |
| Aroclor 1254 | UG/KG | ND | 19 | ND | 19 | ND | 84 | ND | 19 | |
| Aroclor 1260 | UG/KG | ND | 19 | ND | 19 | 840 | 84 | ND | 19 | |
| SURROGATE(S) | | | | | | | | | | |
| Tetrachloro-m-xylene | % | 72 | 35-134 | 78 | 35-134 | 50 | 35-134 | 76 | 35-134 | |
| Decachlorobiphenyl | % | 85 | 34-148 | 88 | 34-148 | 96 | 34-148 | 85 | 34-148 | |

| Client ID Job No Sample Date | | Lab ID | SB-5 (4-8) A08-A609 08/27/2008 ABA60905 | | SB-6 (10-14) A08-A609 08/27/2008 ABA60906 | | SB-7 (4-8) A08-A609 08/27/2008 ABA60907 | | SB-8 (0-4) A08-A609 08/27/2008 ABA60908 | |
|------------------------------------|-------|--------------|--|--------------|--|--------------|--|--------------|--|--|
| Analyte | Units | Sample Value | Reporting Limit | Sample Value | Reporting Limit | Sample Value | Reporting Limit | Sample Value | Reporting Limit | |
| Aroclor 1016 | UG/KG | ND | 20 | ND | 18 | ND | 22 | ND | 21 | |
| Aroclor 1221 | UG/KG | ND | 20 | ND | 18 | ND | 22 | ND | 21 | |
| Aroclor 1232 | UG/KG | ND | 20 | ND | 18 | ND | 22 | ND | 21 | |
| Aroclor 1242 | UG/KG | ND | 20 | ND | 18 | ND | 22 | ND | 21 | |
| Aroclor 1248 | UG/KG | ND | 20 | ND | 18 | ND | 22 | ND | 21 | |
| Aroclor 1254 | UG/KG | ND | 20 | ND | 18 | ND | 22 | ND | 21 | |
| Aroclor 1260 | UG/KG | ND | 20 | ND | 18 | ND | 22 | ND | 21 | |
| SURROGATE(S) | | | | | | | | | | |
| Tetrachloro-m-xylene | % | 77 | 35-134 | 67 | 35-134 | 92 | 35-134 | 78 | 35-134 | |
| Decachlorobiphenyl | % | 90 | 34-148 | 87 | 34-148 | 112 | 34-148 | 89 | 34-148 | |

Date: 09/05/2008
 Time: 16:14:02

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 METHOD 8082 - POLYCHLORINATED BIPHENYLS

Rept: AN1246

| Client ID Job No Sample Date | | Lab ID | SB-9 (0-4) A08-A609 08/27/2008 | A8A60909 | | | | | |
|------------------------------------|-------|--------------|--------------------------------------|--------------|-----------------|--------------|-----------------|--------------|-----------------|
| Analyte | Units | Sample Value | Reporting Limit | Sample Value | Reporting Limit | Sample Value | Reporting Limit | Sample Value | Reporting Limit |
| Aroclor 1016 | UG/KG | ND | 20 | NA | | NA | | NA | |
| Aroclor 1221 | UG/KG | ND | 20 | NA | | NA | | NA | |
| Aroclor 1232 | UG/KG | ND | 20 | NA | | NA | | NA | |
| Aroclor 1242 | UG/KG | ND | 20 | NA | | NA | | NA | |
| Aroclor 1248 | UG/KG | ND | 20 | NA | | NA | | NA | |
| Aroclor 1254 | UG/KG | ND | 20 | NA | | NA | | NA | |
| Aroclor 1260 | UG/KG | ND | 20 | NA | | NA | | NA | |
| SURROGATE(S) | | | | | | | | | |
| Tetrachloro-m-xylene | % | 78 | 35-134 | NA | | NA | | NA | |
| Decachlorobiphenyl | % | 86 | 34-148 | NA | | NA | | NA | |

NA = Not Applicable ND = Not Detected

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Date: 09/05/2008
Time: 16:14:18

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BENCHMARK - SW8463 RCRA METALS - S

Rept: AN1246

| Client ID Job No Sample Date | | SB-1 (5.5-7.5) A08-A609 08/27/2008 | | SB-2 (4-8) A08-A609 08/27/2008 | | SB-3 (0-3) A08-A609 08/27/2008 | | SB-4 (4-6) A08-A609 08/27/2008 | |
|------------------------------------|-------|--|-----------------|--------------------------------------|-----------------|--------------------------------------|-----------------|--------------------------------------|-----------------|
| Lab ID | | A8A60901 | | A8A60902 | | A8A60903 | | A8A60904 | |
| Analyte | Units | Sample Value | Reporting Limit | Sample Value | Reporting Limit | Sample Value | Reporting Limit | Sample Value | Reporting Limit |
| Arsenic - Total | MG/KG | 3.7 | 2.4 | 6.8 | 2.5 | 11.9 | 2.8 | 3.0 | 2.4 |
| Barium - Total | MG/KG | 75.8 | 0.61 | 290 | 0.62 | 77.6 | 0.70 | 36.6 | 0.59 |
| Cadmium - Total | MG/KG | ND | 0.24 | 0.86 | 0.25 | 1.2 | 0.28 | ND | 0.24 |
| Chromium - Total | MG/KG | 12.8 | 0.61 | 692 | 0.62 | 105 | 0.70 | 11.3 | 0.59 |
| Lead - Total | MG/KG | 5.9 | 1.2 | 212 | 1.2 | 74.6 | 1.4 | 3.0 | 1.2 |
| Mercury - Total | MG/KG | 0.043 | 0.023 | 0.095 | 0.023 | ND | 0.026 | ND | 0.023 |
| Selenium - Total | MG/KG | ND | 4.9 | ND | 5.0 | ND | 5.6 | ND | 4.7 |
| Silver - Total | MG/KG | ND | 0.61 | ND | 0.62 | ND | 0.70 | ND | 0.59 |

| Client ID Job No Sample Date | | SB-5 (4-8) A08-A609 08/27/2008 | | SB-6 (10-14) A08-A609 08/27/2008 | | SB-7 (4-8) A08-A609 08/27/2008 | | SB-8 (0-4) A08-A609 08/27/2008 | |
|------------------------------------|-------|--------------------------------------|-----------------|--|-----------------|--------------------------------------|-----------------|--------------------------------------|-----------------|
| Lab ID | | A8A60905 | | A8A60906 | | A8A60907 | | A8A60908 | |
| Analyte | Units | Sample Value | Reporting Limit | Sample Value | Reporting Limit | Sample Value | Reporting Limit | Sample Value | Reporting Limit |
| Arsenic - Total | MG/KG | 2.9 | 2.4 | 2.4 | 2.1 | 14.1 | 2.9 | 4.5 | 2.8 |
| Barium - Total | MG/KG | 63.6 | 0.61 | 22.0 | 0.52 | 375 | 0.72 | 174 | 0.70 |
| Cadmium - Total | MG/KG | ND | 0.24 | 1.8 | 0.21 | 1.2 | 0.29 | 0.29 | 0.28 |
| Chromium - Total | MG/KG | 15.7 | 0.61 | 15.6 | 0.52 | 830 | 0.72 | 30.2 | 0.70 |
| Lead - Total | MG/KG | 5.2 | 1.2 | 177 | 1.0 | 168 | 1.4 | 10.9 | 1.4 |
| Mercury - Total | MG/KG | ND | 0.028 | 0.048 | 0.022 | ND | 0.027 | ND | 0.027 |
| Selenium - Total | MG/KG | ND | 4.9 | ND | 4.1 | ND | 5.8 | ND | 5.6 |
| Silver - Total | MG/KG | ND | 0.61 | ND | 0.52 | ND | 0.72 | ND | 0.70 |

NA = Not Applicable ND = Not Detected

TestAmerica Lab

Date: 09/05/2008
 Time: 16:14:18

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 BENCHMARK - SW8463 RCRA METALS - S

Rept: AN1246

| Client ID | | SB-9 (0-4) | | | | | | | |
|------------------|-------|--------------|-----------------|--------------|-----------------|--------------|-----------------|--------------|-----------------|
| Job No | | A08-A609 | | A8A60909 | | | | | |
| Sample Date | | 08/27/2008 | | | | | | | |
| Analyte | Units | Sample Value | Reporting Limit |
| Arsenic - Total | MG/KG | ND | 2.6 | NA | | NA | | NA | |
| Barium - Total | MG/KG | 20.8 | 0.66 | NA | | NA | | NA | |
| Cadmium - Total | MG/KG | 1.6 | 0.26 | NA | | NA | | NA | |
| Chromium - Total | MG/KG | 15.2 | 0.66 | NA | | NA | | NA | |
| Lead - Total | MG/KG | 52.4 | 1.3 | NA | | NA | | NA | |
| Mercury - Total | MG/KG | 0.23 | 0.026 | NA | | NA | | NA | |
| Selenium - Total | MG/KG | ND | 5.2 | NA | | NA | | NA | |
| Silver - Total | MG/KG | ND | 0.66 | NA | | NA | | NA | |

NA = Not Applicable ND = Not Detected

TestAmerica Lab

Date: 09/05/2008
Time: 16:17:43

Benchmark
Globe Metallurgical
METHOD 8260 - TCL VOLATILE ORGANICS+STARS

Rept: AN1246

| Client ID | | SB-10(4-7) | | SB-11(8-10) | | | | | |
|-----------------------------|-------|--------------|-----------------|--------------|-----------------|--------------|-----------------|--------------|-----------------|
| Job No | | A08-A611 | | A08-A611 | | | | | |
| Sample Date | | 08/27/2008 | | 08/27/2008 | | | | | |
| Lab ID | | A8A61101 | | A8A61102 | | | | | |
| Analyte | Units | Sample Value | Reporting Limit |
| Acetone | UG/KG | ND | 29 | ND | 29 | NA | | NA | |
| Benzene | UG/KG | ND | 6 | ND | 6 | NA | | NA | |
| Bromodichloromethane | UG/KG | ND | 6 | ND | 6 | NA | | NA | |
| Bromoform | UG/KG | ND | 6 | ND | 6 | NA | | NA | |
| Bromomethane | UG/KG | ND | 6 | ND | 6 | NA | | NA | |
| 2-Butanone | UG/KG | ND | 29 | ND | 29 | NA | | NA | |
| Carbon Disulfide | UG/KG | 2 J | 6 | 2 J | 6 | NA | | NA | |
| Carbon Tetrachloride | UG/KG | ND | 6 | ND | 6 | NA | | NA | |
| Chlorobenzene | UG/KG | ND | 6 | ND | 6 | NA | | NA | |
| Chloroethane | UG/KG | ND | 6 | ND | 6 | NA | | NA | |
| Chloroform | UG/KG | ND | 6 | ND | 6 | NA | | NA | |
| Chloromethane | UG/KG | ND | 6 | ND | 6 | NA | | NA | |
| Cyclohexane | UG/KG | ND | 6 | ND | 6 | NA | | NA | |
| 1,2-Dibromoethane | UG/KG | ND | 6 | ND | 6 | NA | | NA | |
| Dibromochloromethane | UG/KG | ND | 6 | ND | 6 | NA | | NA | |
| 1,2-Dibromo-3-chloropropane | UG/KG | ND | 6 | ND | 6 | NA | | NA | |
| 1,2-Dichlorobenzene | UG/KG | ND | 6 | ND | 6 | NA | | NA | |
| 1,3-Dichlorobenzene | UG/KG | ND | 6 | ND | 6 | NA | | NA | |
| 1,4-Dichlorobenzene | UG/KG | ND | 6 | ND | 6 | NA | | NA | |
| Dichlorodifluoromethane | UG/KG | ND | 6 | ND | 6 | NA | | NA | |
| 1,1-Dichloroethane | UG/KG | ND | 6 | ND | 6 | NA | | NA | |
| 1,2-Dichloroethane | UG/KG | ND | 6 | ND | 6 | NA | | NA | |
| 1,1-Dichloroethene | UG/KG | ND | 6 | ND | 6 | NA | | NA | |
| cis-1,2-Dichloroethene | UG/KG | ND | 6 | ND | 6 | NA | | NA | |
| trans-1,2-Dichloroethene | UG/KG | ND | 6 | ND | 6 | NA | | NA | |
| 1,2-Dichloropropane | UG/KG | ND | 6 | ND | 6 | NA | | NA | |
| cis-1,3-Dichloropropene | UG/KG | ND | 6 | ND | 6 | NA | | NA | |
| trans-1,3-Dichloropropene | UG/KG | ND | 6 | ND | 6 | NA | | NA | |
| Ethylbenzene | UG/KG | ND | 6 | ND | 6 | NA | | NA | |
| 2-Hexanone | UG/KG | ND | 29 | ND | 29 | NA | | NA | |
| Isopropylbenzene | UG/KG | ND | 6 | ND | 6 | NA | | NA | |
| Methyl acetate | UG/KG | ND | 6 | ND | 6 | NA | | NA | |
| Methylcyclohexane | UG/KG | ND | 6 | ND | 6 | NA | | NA | |
| Methylene chloride | UG/KG | 14 B | 6 | 12 B | 6 | NA | | NA | |
| 4-Methyl-2-pentanone | UG/KG | ND | 29 | ND | 29 | NA | | NA | |
| Methyl-t-Butyl Ether (MTBE) | UG/KG | ND | 6 | ND | 6 | NA | | NA | |
| Styrene | UG/KG | ND | 6 | ND | 6 | NA | | NA | |
| 1,1,2,2-Tetrachloroethane | UG/KG | ND | 6 | ND | 6 | NA | | NA | |
| Tetrachloroethene | UG/KG | ND | 6 | ND | 6 | NA | | NA | |
| Toluene | UG/KG | ND | 6 | ND | 6 | NA | | NA | |
| 1,2,4-Trichlorobenzene | UG/KG | ND | 6 | ND | 6 | NA | | NA | |
| 1,1,1-Trichloroethane | UG/KG | ND | 6 | ND | 6 | NA | | NA | |
| 1,1,2-Trichloroethane | UG/KG | ND | 6 | ND | 6 | NA | | NA | |

NA = Not Applicable ND = Not Detected

TestAmerica Lab

Date: 09/05/2008
Time: 16:17:43

Benchmark
Globe Metallurgical
METHOD 8260 - TCL VOLATILE ORGANICS+STARS

Rept: AN1246

| Client ID Job No Sample Date | | Lab ID | | SB-10(4-7) A08-A611 08/27/2008 | | A8A61101 | | SB-11(8-10) A08-A611 08/27/2008 | | A8A61102 | | | | | |
|------------------------------------|-------|--------------|-----------------|--------------------------------------|-----------------|--------------|-----------------|---------------------------------------|-----------------|--------------|-----------------|--------------|-----------------|--------------|-----------------|
| Analyte | Units | Sample Value | Reporting Limit | Sample Value | Reporting Limit | Sample Value | Reporting Limit | Sample Value | Reporting Limit | Sample Value | Reporting Limit | Sample Value | Reporting Limit | Sample Value | Reporting Limit |
| 1,1,2-Trichloro-1,2,2-trifluor | UG/KG | ND | 6 | ND | 6 | NA | | NA | | NA | | NA | | NA | |
| Trichlorofluoromethane | UG/KG | ND | 6 | ND | 6 | NA | | NA | | NA | | NA | | NA | |
| Trichloroethene | UG/KG | ND | 6 | ND | 6 | NA | | NA | | NA | | NA | | NA | |
| Vinyl chloride | UG/KG | ND | 12 | ND | 12 | NA | | NA | | NA | | NA | | NA | |
| Total Xylenes | UG/KG | ND | 17 | ND | 18 | NA | | NA | | NA | | NA | | NA | |
| o-Xylene | UG/KG | ND | 6 | ND | 6 | NA | | NA | | NA | | NA | | NA | |
| m/p-Xylenes | UG/KG | ND | 12 | ND | 12 | NA | | NA | | NA | | NA | | NA | |
| n-Propylbenzene | UG/KG | ND | 6 | ND | 6 | NA | | NA | | NA | | NA | | NA | |
| p-Cymene | UG/KG | ND | 6 | ND | 6 | NA | | NA | | NA | | NA | | NA | |
| 1,2,4-Trimethylbenzene | UG/KG | ND | 6 | ND | 6 | NA | | NA | | NA | | NA | | NA | |
| 1,3,5-Trimethylbenzene | UG/KG | ND | 6 | ND | 6 | NA | | NA | | NA | | NA | | NA | |
| n-Butylbenzene | UG/KG | ND | 6 | ND | 6 | NA | | NA | | NA | | NA | | NA | |
| sec-Butylbenzene | UG/KG | ND | 6 | ND | 6 | NA | | NA | | NA | | NA | | NA | |
| tert-Butylbenzene | UG/KG | ND | 6 | ND | 6 | NA | | NA | | NA | | NA | | NA | |
| IS/SURROGATE(S) | | | | | | | | | | | | | | | |
| Chlorobenzene-D5 | % | 94 | 50-200 | 97 | 50-200 | NA | | NA | | NA | | NA | | NA | |
| 1,4-Difluorobenzene | % | 94 | 50-200 | 95 | 50-200 | NA | | NA | | NA | | NA | | NA | |
| 1,4-Dichlorobenzene-D4 | % | 88 | 50-200 | 94 | 50-200 | NA | | NA | | NA | | NA | | NA | |
| Toluene-D8 | % | 113 | 71-125 | 112 | 71-125 | NA | | NA | | NA | | NA | | NA | |
| p-Bromofluorobenzene | % | 110 | 72-126 | 110 | 72-126 | NA | | NA | | NA | | NA | | NA | |
| 1,2-Dichloroethane-D4 | % | 95 | 61-136 | 95 | 61-136 | NA | | NA | | NA | | NA | | NA | |

NA = Not Applicable ND = Not Detected

TestAmerica Lab

Date: 09/05/2008
Time: 16:17:43

Benchmark
Globe Metallurgical
BENCHMARK-SOIL-SW8463 8270-L PAHS ONLY

Rept: AN1246

| Client ID | | SB-10(4-7) | | SB-11(8-10) | | | | | |
|------------------------|-------|--------------|-----------------|--------------|-----------------|--------------|-----------------|--------------|-----------------|
| Job No | | A08-A611 | | A08-A611 | | | | | |
| Sample Date | | 08/27/2008 | | 08/27/2008 | | | | | |
| Lab ID | | A8A61101 | | A8A61102 | | | | | |
| Analyte | Units | Sample Value | Reporting Limit |
| Acenaphthene | UG/KG | ND | 1000 | 110 J | 1000 | NA | | NA | |
| Acenaphthylene | UG/KG | ND | 1000 | ND | 1000 | NA | | NA | |
| Anthracene | UG/KG | 110 J | 1000 | 160 J | 1000 | NA | | NA | |
| Benzo(a)anthracene | UG/KG | 350 J | 1000 | 560 J | 1000 | NA | | NA | |
| Benzo(b)fluoranthene | UG/KG | 500 J | 1000 | 820 J | 1000 | NA | | NA | |
| Benzo(k)fluoranthene | UG/KG | 210 J | 1000 | 290 J | 1000 | NA | | NA | |
| Benzo(ghi)perylene | UG/KG | 210 J | 1000 | 310 J | 1000 | NA | | NA | |
| Benzo(a)pyrene | UG/KG | 380 J | 1000 | 600 J | 1000 | NA | | NA | |
| Chrysene | UG/KG | 440 BJ | 1000 | 710 BJ | 1000 | NA | | NA | |
| Dibenzo(a,h)anthracene | UG/KG | 73 J | 1000 | 110 J | 1000 | NA | | NA | |
| Fluoranthene | UG/KG | 500 J | 1000 | 1100 | 1000 | NA | | NA | |
| Fluorene | UG/KG | 43 J | 1000 | 64 J | 1000 | NA | | NA | |
| Indeno(1,2,3-cd)pyrene | UG/KG | 220 J | 1000 | 270 J | 1000 | NA | | NA | |
| 2-Methylnaphthalene | UG/KG | ND | 1000 | ND | 1000 | NA | | NA | |
| Naphthalene | UG/KG | 40 J | 1000 | 72 J | 1000 | NA | | NA | |
| Phenanthrene | UG/KG | 330 BJ | 1000 | 740 BJ | 1000 | NA | | NA | |
| Pyrene | UG/KG | 400 J | 1000 | 840 J | 1000 | NA | | NA | |
| IS/SURROGATE(S) | | | | | | | | | |
| 1,4-Dichlorobenzene-D4 | % | 86 | 50-200 | 83 | 50-200 | NA | | NA | |
| Naphthalene-D8 | % | 92 | 50-200 | 86 | 50-200 | NA | | NA | |
| Acenaphthene-D10 | % | 94 | 50-200 | 89 | 50-200 | NA | | NA | |
| Phenanthrene-D10 | % | 100 | 50-200 | 95 | 50-200 | NA | | NA | |
| Chrysene-D12 | % | 116 | 50-200 | 115 | 50-200 | NA | | NA | |
| Perylene-D12 | % | 158 | 50-200 | 157 | 50-200 | NA | | NA | |
| Nitrobenzene-D5 | % | 52 | 35-120 | 71 | 35-120 | NA | | NA | |
| 2-Fluorobiphenyl | % | 62 | 43-120 | 67 | 43-120 | NA | | NA | |
| p-Terphenyl-d14 | % | 69 | 51-125 | 65 | 51-125 | NA | | NA | |
| Phenol-D5 | % | 60 | 38-120 | 71 | 38-120 | NA | | NA | |
| 2-Fluorophenol | % | 45 | 30-120 | 65 | 30-120 | NA | | NA | |
| 2,4,6-Tribromophenol | % | 99 | 46-129 | 94 | 46-129 | NA | | NA | |

NA = Not Applicable ND = Not Detected

TestAmerica Lab

Date: 09/05/2008
 Time: 16:17:43

Benchmark
 Globe Metallurgical
 METHOD 8082 - POLYCHLORINATED BIPHENYLS

Rept: AN1246

| Client ID Job No Sample Date | | Lab ID | SB-10(4-7) A08-A611 08/27/2008 | | SB-11(8-10) A08-A611 08/27/2008 | | | | |
|------------------------------------|-------|--------------|--------------------------------------|--------------|---------------------------------------|--------------|-----------------|--------------|-----------------|
| Analyte | Units | Sample Value | Reporting Limit | Sample Value | Reporting Limit | Sample Value | Reporting Limit | Sample Value | Reporting Limit |
| Aroclor 1016 | UG/KG | ND | 19 | ND | 20 | NA | | NA | |
| Aroclor 1221 | UG/KG | ND | 19 | ND | 20 | NA | | NA | |
| Aroclor 1232 | UG/KG | ND | 19 | ND | 20 | NA | | NA | |
| Aroclor 1242 | UG/KG | ND | 19 | ND | 20 | NA | | NA | |
| Aroclor 1248 | UG/KG | ND | 19 | ND | 20 | NA | | NA | |
| Aroclor 1254 | UG/KG | ND | 19 | ND | 20 | NA | | NA | |
| Aroclor 1260 | UG/KG | ND | 19 | ND | 20 | NA | | NA | |
| SURROGATE(S) | | | | | | | | | |
| Tetrachloro-m-xylene | % | 71 | 35-134 | 84 | 35-134 | NA | | NA | |
| Decachlorobiphenyl | % | 88 | 34-148 | 96 | 34-148 | NA | | NA | |

NA = Not Applicable ND = Not Detected

TestAmerica Lab

Date: 09/05/2008
 Time: 16:17:58

Benchmark
 Globe Metallurgical
 BENCHMARK - SW8463 RCRA METALS - S

Rept: AN1246

| Client ID | | SB-10(4-7) | | SB-11(8-10) | | | | | |
|------------------|-------|--------------|-----------------|--------------|-----------------|--------------|-----------------|--------------|-----------------|
| Job No | | A08-A611 | | A08-A611 | | | | | |
| Sample Date | | 08/27/2008 | | 08/27/2008 | | | | | |
| Lab ID | | A8A61101 | | A8A61102 | | | | | |
| Analyte | Units | Sample Value | Reporting Limit |
| Arsenic - Total | MG/KG | 10.5 | 2.2 | 11.2 | 2.5 | NA | | NA | |
| Barium - Total | MG/KG | 94.0 | 0.56 | 111 | 0.62 | NA | | NA | |
| Cadmium - Total | MG/KG | 1.3 | 0.22 | 1.5 | 0.25 | NA | | NA | |
| Chromium - Total | MG/KG | 310 | 0.56 | 483 | 0.62 | NA | | NA | |
| Lead - Total | MG/KG | 409 | 1.1 | 508 | 1.2 | NA | | NA | |
| Mercury - Total | MG/KG | 0.036 | 0.022 | 0.071 | 0.024 | NA | | NA | |
| Selenium - Total | MG/KG | ND | 4.5 | ND | 5.0 | NA | | NA | |
| Silver - Total | MG/KG | ND | 0.56 | ND | 0.62 | NA | | NA | |

NA = Not Applicable ND = Not Detected

TestAmerica Lab

ATTACHMENT 07

LISTING OF CURRENT & PREVIOUS SITE OWNERS

Attachment 07

Listing of Current & Previous Site Owners

**Solsil, Inc. Site
Brownfield Cleanup Program Application**

INTRODUCTION

Reasonable attempts were made to attain complete previous site owner contact information. In some cases, previous owners complete contact information was not available. The following table lists the previous property owners:

| Parcel Address and Size | Date(s) | Relationship to Applicant |
|---|----------------|---|
| Part of 3801 Highland Avenue (~5 acres) | | |
| Current Owner | | |
| Globe Metallurgical, Inc. (1) 1595 Sparling Road P.O. Box 157 Beverly, OH 45715 (740) 984-8608 | 2006 - present | Same |
| Previous Owners | | |
| Globe Metallurgical, Inc. 3807 Highland Avenue Niagara Falls, NY 14305 | 1994 - 2006 | None- company's assets were merged into Globe Acquisition Corp. in November 2006, and Globe Acquisition Corp. was later renamed to Globe Metallurgical Inc. |
| SKW Alloys, Inc. (a.k.a. SKW Newco, Inc.) 3801 Highland Avenue Niagara Falls, NY 14305 | 1979 – 1994 | None |
| Air Reduction Company, Inc. (a.k.a. Pittsburgh Metallurgical Co.) P.O. Box 368 Niagara Falls, NY 14302 | 1913 - 1979 | None |

(1) A wholly-owned subsidiary of Globe Specialty Metals (GSM). GSM was formed in 2004.

ATTACHMENT 08

LISTING OF CURRENT & PREVIOUS SITE OPERATORS

Attachment 08

Listing of Current and Previous Site Operators

Solsil, Inc. Site
Brownfield Cleanup Program Application

INTRODUCTION

Reasonable attempts were made to attain complete previous site operator contact information. In some cases, previous operators complete contact information was not available. The following table lists the previous property operators:

| Parcel Address and Size | Date(s) | Relationship to Applicant |
|---|----------------|---|
| Part of 3801 Highland Avenue (~5 acres) | | |
| Current Owner | | |
| Globe Metallurgical, Inc. (1) 1595 Sparling Road P.O. Box 157 Beverly, OH 45715 (740) 984-8608 | 2006 - present | Same |
| Previous Owners | | |
| Globe Metallurgical, Inc. 3807 Highland Avenue Niagara Falls, NY 14305 | 1994 - 2006 | None- company's assets were merged into Globe Acquisition Corp. in November 2006, and Globe Acquisition Corp. was later renamed to Globe Metallurgical Inc. |
| SKW Alloys, Inc. (a.k.a. SKW Newco, Inc.) 3801 Highland Avenue Niagara Falls, NY 14305 | 1979 – 1994 | None |
| Air Reduction Company, Inc. (a.k.a. Pittsburgh Metallurgical Co.) P.O. Box 368 Niagara Falls, NY 14302 | 1913 - 1979 | None |

(1) A wholly-owned subsidiary of Globe Specialty Metals (GSM). GSM was formed in 2004.

ATTACHMENT 09

CONTACT LIST INFORMATION

Attachment 09

Contact List Information

Solsil, Inc. Site

Brownfield Cleanup Program Application

New York State Contacts:

Senator Hillary Rodham-Clinton
U.S. Senate
726 Exchange Street, Suite 511
Buffalo, NY 14210

Senator Charles Schumer
U.S. Senate, Suite 660
130 So. Elmwood Ave
Buffalo, NY 14202

Senator Antoine Thompson
NYS Senate Dist. 60
65 Court Street
Buffalo, NY 14202

Assembly, Francine Delmonte
138th District
1700 Pine Ave.
Niagara Falls, NY 14301

Rep. Louise Slaughter
NY 28th District
1910 Pine Ave.
Niagara Falls, NY 14301

Mr. Michael Basile
WNY Public Info. Office
186 Exchange St.
Buffalo, NY 14204

Community Outreach File
NYSDEC
270 Michigan Ave.
Buffalo, NY 14203

DER File
NYSDEC
270 Michigan Ave.
Buffalo, NY 14203

Niagara County Contacts:

Chairman William Ross
Niagara County Legislature
6761 Walmore Road
Niagara Falls, NY 14304

Mr. Michael Shanley
Niag. Co. Emergency Planning
Niagara & Hawley Street
Lockport, NY 14094

Wayne Jagow
Niagara County Clerk
PO Box 461
Lockport, NY 14095

Mr. Daniel Bristol
Niagara Falls City Admin.
4010 Barton Street
Niagara Falls, NY 14305

Mr. James Devald, P.E.
Niagara Co. Health Dept.
5467 Upper Mountain Road
Lockport, NY 14094

Mr. Paul Dickey
Niagara County Health Dept.
5467 Upper Mountain Rd.
Lockport, NY 14094-1899

**Attachment 09
Contact List Information**

Solsil, Inc. Site

Brownfield Cleanup Program Application

Niagara County Contacts
(cont'd):

Clerk James Sobczyk
Niagara County Legislature
175 Hawley Street
Lockport, NY 14094

Herbert Downs
Niagara Cty. Water District
PO Box 315
Lockport, Ny 14094

Amy Fisk, Env. Planner
Niagara Cty. Econ. Devpt.
6311 Inducon Corporate Dr.
Sanborn, NY 14132

David E. Wertman, MPA Comm.
Niagara Co. Health Dept.
5467 Upper Mountain Rd.
Lockport, NY 14094

Mr. Samuel M. Ferraro, Exec. Dir.
Niagara Co. Ind. Dev. Agency
6311 Inducon Corporate Drive
Sanborn, NY 14132

Mr. Dennis F. Virtuoso
Niagara Co. Legislature #4
2703 Independence Ave.
Niagara Falls NY 14301

Alan Nusbaum City of Niagara Fall
Dept. of Planning/Env. Services
745 Main Street
Niagara Falls, NY 14302

Mr. Greg Lewis
Niagara County Manager
59 Park Avenue
Lockport, NY 14094

Ms. Dawn Walczak
Niagara County EMC
59 Park Avenue
Lockport, NY 14094

Mr. James Volkosh, Director
Niagara Cty. Emergency Services
PO Box 496
Lockport, NY 14095-0496

Daniel Stapleton, Director
Niagara County Dept. of Health
5467 Upper Mountain Rd, Suite 100
Lockport, NY 14094

Ms. Carol Antonucci
Niagara Falls City Clerk
745 Main Street
Niagara Falls, NY 14302

Robert Buzzelli, City Engineer
City Hall Room 303
745 Main Street
Niagara Falls, NY 14302

Gerald Grose
Niagara Falls Water Board
5815 Buffalo Avenue
Niagara Falls, NY 14304

**Attachment 09
Contact List Information**

Solsil, Inc. Site

Brownfield Cleanup Program Application

Local News Media:

ATTN: Aaron Besecker
The Buffalo News
1 News Plaza
Buffalo, NY 14240

WKBW-TV
7 Broadcast Plaza
Buffalo, NY 14202

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

ATTN: Env. News Desk
WGRZ TV - CH. 2
259 Delaware Avenue
Buffalo, NY 14202

ATTN: Environmental News Desk
WIVB - CH. 4
2077 Elmwood Avenue
Buffalo, NY 14207

ATTN: Michael Desmond
WNED, Env. News Desk
PO 1263, Horizons Plaza
Buffalo, NY 14240

ATTN: Tracey Drury
Business First
465 Main Street
Buffalo, NY 14203-1793

ATTN: Aaron Besecker
The Niagara Gazette
310 Niagara Street
Niagara Falls, NY 14302

ATTN: Mike Hudson, Editor
Niagara Falls Reporter
1625 Buffalo Ave
Niagara Falls, NY 14303

ATTN: News Director
WLVL 1340
PO Box 477
Lockport, NY 14095-0477

ATTN: Environmental News Desk
WJYE
1700 Rand Building
Buffalo, NY 14203

Environmental News Desk
The Niagara Gazette
310 Niagara Street
Niagara Falls, NY 14302

Supplier of Potable Water:

Niagara County Water District
PO Box 315
Lockport, NY 14905-0315

Document Repository:

Niagara Falls Public Library
Earl W. Brydges Building
1425 Main Street
Niagara Falls, NY 14305

**Attachment 09
Contact List Information**

Solsil, Inc. Site

Brownfield Cleanup Program Application

Nearby Schools:

Principal Lawrence Martinez
Sixty Sixth Street School
630 66th Street
Niagara Falls, NY 14304

Principal Maria Chille-Zafuto
Niagara Middle School
6431 Girard Ave.
Niagara Falls, NY 14304

Principal Joseph Colburn
Gaskill Middle School
910 Hyde Park Blvd.
Niagara Falls NY 14301

Other Interested Groups:

Brian Smith
Citizens' Campaign for the Env.
227 McConkey Drive
Tonawanda, NY 14223

Citizens' Environmental
Coalition
33 Central Avenue
Albany, NY 12210

Joe Gardella
BEMC
176 Admiral Road
Buffalo, NY 14216

Charles Lamb
Sierra Club – Niagara Region
335 Walnut Lane
Youngstown, NY 14174

Julie Barrett O'Neil, Director
Buffalo Niagara Riverkeeper
1250 Niagara Street
Buffalo, NY 14213

Mr. Michael Podd
4827 Rogers Rd.
Hamburg, NY 14075

**Attachment 09
Contact List Information**

Solsil, Inc. Site

Brownfield Cleanup Program Application

Electronic Government Contacts:

| | |
|------------------|--|
| Abby Snyder | amsnyder@gw.dec.state.ny.us |
| Daniel David | drdavid@gw.dec.state.ny.us |
| Larry Ennist | ldennist@gw.dec.state.ny.us |
| Greg Sutton | gpsutton@gw.dec.state.ny.us |
| Mike Hinton | mjhinton@gw.dec.state.ny.us |
| Mark Baetzhold | mtbaetzh@gw.dec.state.ny.us |
| Megan Gollwitzer | megollwi@gw.dec.state.ny.us |
| Rich Fedigan | rjf01@health.state.ny.us |
| Matt Forcucc | imjf13@health.state.ny.us |
| Mike Basile | basile.michael@epa.gov |

ATTACHMENT 09

AREA PROPERTY OWNERS

Solsil, Inc. Site

Brownfield Cleanup Program Application

| Adjacent Property Address | | Owner Name and Mailing Address |
|----------------------------------|---------------|--|
| No. | Street | |
| 3700 | Highland Ave. | Michael Prakash Bhimsingh 3700 Highland Avenue Niagara Falls, NY 14305 |
| 3702 | Highland Ave. | Isabel A. Anderson 3702 Highland Avenue Niagara Falls, NY 14305 |
| 3710 | Highland Ave. | James E. Walker 3710 Highland Avenue Niagara Falls, NY 14305 |
| 3711 | Highland Ave. | The House of God 3711 Highland Avenue Niagara Falls, NY 14305 |
| 3712 | Highland Ave. | Kelvin & Sonya S. Agee 3712 Highland Avenue Niagara Falls, NY 14305 |
| 3716, 3718 | Highland Ave. | Musid Mohammad Dubashi 3718 Highland Avenue Niagara Falls, NY 14305 |
| 3719, 3721 | Highland Ave. | Eddie Ashley 3721 Highland Avenue Niagara Falls, NY 14305 |
| 3729 | Highland Ave. | Niagara Mohawk Power Corp. (Right-of-Way) |
| 3800 | Highland Ave. | Dalana Realty, Inc. 3800 Highland Ave. Niagara Falls, NY 14305 |
| 4101 | Highland Ave. | Niagara Falls Urban Renewal 4101 Highland Ave. Niagara Falls, NY 14305 |
| 4110 | Highland Ave. | Armand Cerrone 4110 Highland Ave. Niagara Falls, NY 14305 |
| 1501 | College Ave. | Santarosa Holdings, Inc. 1501 College Ave. Niagara Falls, NY 14305 |
| 1402, 1503, 1511, 1925 & 2000 | College Ave. | Niagara Mohawk Power Corp. (Right-of-Way) |



ATTACHMENT 09

AREA PROPERTY OWNERS

Solsil, Inc. Site

Brownfield Cleanup Program Application

| Adjacent Property Address | | Owner Name and Mailing Address |
|-----------------------------|--------------|---|
| No. | Street | |
| 1655 | College Ave. | George J. Wolf 1655 College Ave. Niagara Falls, NY 14305 |
| 1731 & 1777 | College Ave. | Hazorb, Inc. 1731 College Ave. Niagara Falls, NY 14305 |
| 1901 | College Ave. | Eastern Ohio Paving, Inc. 1901 College Ave. Niagara Falls, NY 14305 |
| 2001 | College Ave. | David Kushner 2001 College Ave. Niagara Falls, NY 14305 |
| 3701 & 3703 | Lehigh Court | Jack Brundage 3701 Lehigh Court Niagara Falls, NY 14035 |
| 3707, 3711, 3713, & 3715 | Lehigh Court | John A. Brundage 3702 Lehigh Court Niagara Falls, NY 14305 |
| 3723, 3727 | Lehigh Court | J.A. Brundage - The Drain 3727 Lehigh Court Niagara Falls, NY 14305 |

ATTACHMENT 10

DOCUMENT REPOSITORY CONFIRMATION LETTER

September 10, 2008

Ms. Betty Babanoury
Library Director
Niagara Falls Public Library
Earl W. Brydges Building
1425 Main Street
Niagara Falls, NY 14305

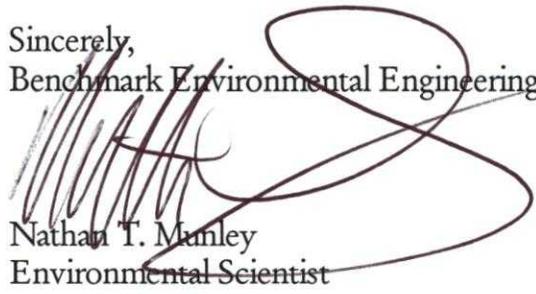
**Re: Document Repository
Solsil, Inc. Site
5-acre portion of 3801 Highland Avenue, Niagara Falls, New York
Brownfield Cleanup Program Application**

Dear Ms. Babanoury:

Per our recent telephone conversation, thank you for allowing the Niagara Falls Public Library to be the document repository for the above-referenced site.

Please contact me if you have questions or require additional information.

Sincerely,
Benchmark Environmental Engineering & Science, PLLC



Nathan T. Munley
Environmental Scientist

File: 0170-001-101

ATTACHMENT 11

ENVIRONMENTAL FACTORS AND HISTORIC LAND USE CONSIDERATIONS

Attachment 11

Environmental Factors & Historic Land Use Considerations

Solsil, Inc. Site Brownfield Cleanup Program Application

INTRODUCTION

The following provides a brief summary of the Site:

- There are no State or Federal wetlands or floodplains on the Site.
- The Site is located within a predominantly urban-developed area.
- There are no threatened or endangered species, or important plant habitats present on the Site.

ATTACHMENT 12

NEARBY LAND USE

Attachment 12

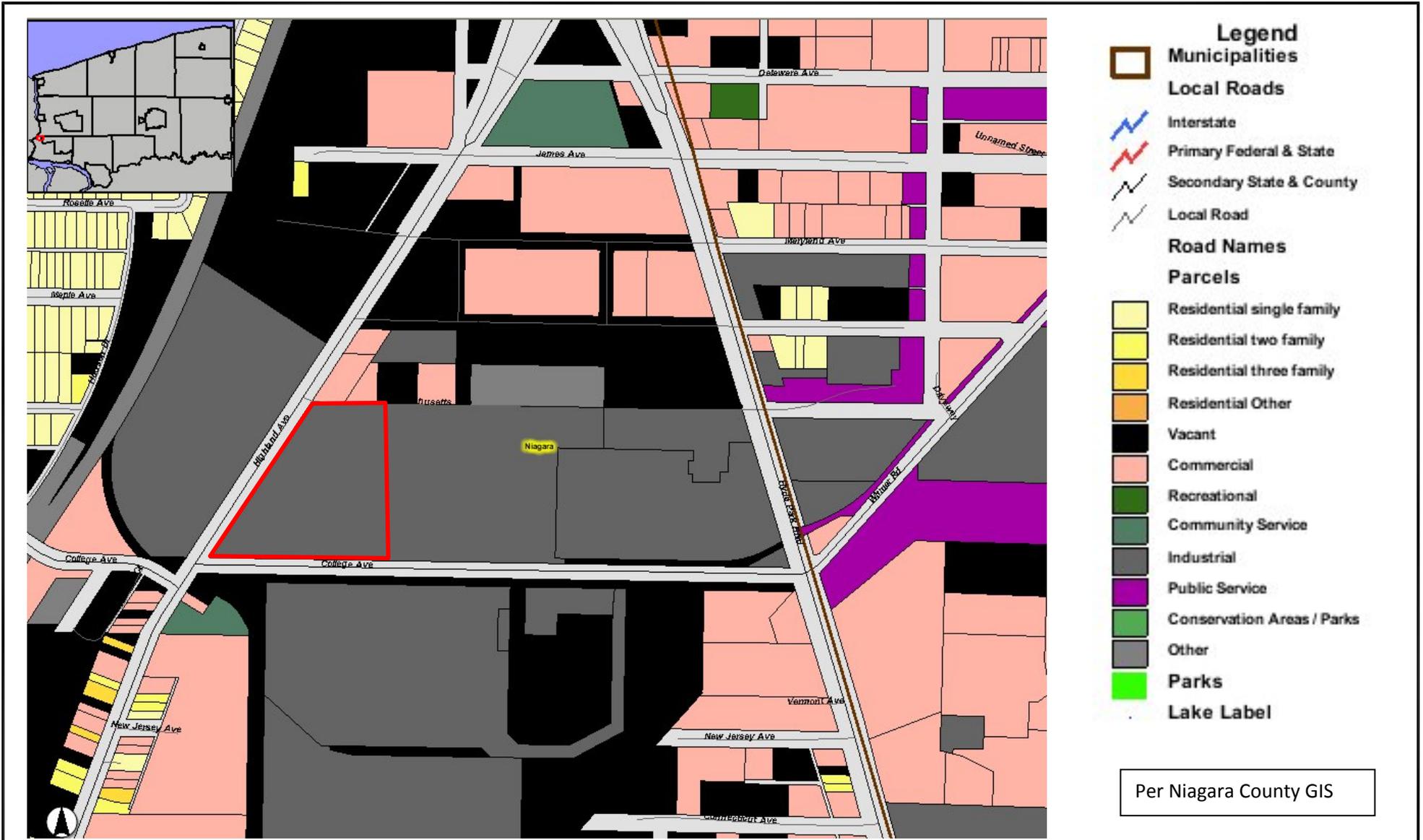
Surrounding Land Use Description

Solsil, Inc. Site Brownfield Cleanup Program Application

SURROUNDING LAND USE DESCRIPTION

The Site, comprised of the southwest corner of the 3807 (aka 3801) Highland Avenue property, is located in a highly industrial urban area of the City of Niagara Falls, Niagara County, New York.

Properties adjacent to the Site include several commercial and industrial properties, vacant parcels, and utility right-of-ways (see Figure 12-1). The surrounding land is mixed use, including commercial, industrial, residential, and community service parcels.



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

NEARBY LAND USE
 BROWNFIELD CLEANUP PROGRAM APPLICATION

SOLSIL, INC. SITE

NIAGARA FALLS, NEW YORK

PREPARED FOR
 SOLSIL, INC.

FIGURE 12-1

PROJECT NO.: 0170-001-101

DATE: SEPTEMBER 2008

DRAFTED BY: NTM

FILEPATH:

ATTACHMENT 13

GROUNDWATER VULNERABILITY ASSESSMENT

Attachment 13

Groundwater Vulnerability Assessment

Solsil, Inc. Site Brownfield Cleanup Program Application

POTENTIAL VULNERABILITY OF GROUNDWATER TO CONTAMINATION

Currently, there are no known deed restrictions on the use of groundwater at the Site, and groundwater supply wells are not present on-site. Existing groundwater quality has not been investigated on the Site.

Regionally, groundwater in the area has not been developed for industrial, agriculture, or public supply purposes. Potable water service is provided on-site and off-site by the local municipal water authority.

GROUNDWATER FLOW/RECHARGE

Based on Site topography and proximity to the Niagara River, groundwater likely flows in a west/southwest direction (see Figure 1-1).

RECOMMENDATIONS

Further work is required to evaluate groundwater quality. Additional sampling to assess groundwater flow patterns and water quality will be investigated during the Remedial Investigation.

ATTACHMENT 14

DESCRIPTION OF SITE GEOGRAPHY/GEOLOGY

Attachment 14

Description of Site Geography/Geology

Solsil, Inc. Site Brownfield Cleanup Program Application

ECOLOGICAL SETTING

The Site is covered primarily by former warehouse/manufacturing and office buildings, electrical substations, asphalt pavement, former building foundations, aboveground storage tanks, soil/fill piles, and vegetation.

The Site is located in the Erie-Niagara River Basin, which generally drains west/southwest from the Site, although localized variation may occur. The Niagara River, Lake Erie and Lake Ontario are the major bodies of water within this basin.

DEMOGRAPHY AND LAND USE

The Site is located in a highly developed urban-industrial setting. Land use surrounding the Site includes industrial, commercial, vacant, public use, and residential properties (see Figure 12-1).

No residential properties are adjacent to the Site. However, nearby residential areas are located across Hyde Park Avenue, northeast of the Site and on Highland Avenue southwest of the Site (see Figure 12-1).

REGIONAL GEOLOGY/HYDROGEOLOGY

The U.S. Department of Agriculture (USDA) Soil Conservation Service soil survey map of Niagara County describes the general surficial soil type at the Site as Canandaigua silt loam, with slopes ranging from 0 to 2%.

Based on Site topography and proximity to the Niagara River, regional groundwater likely flows in a west/southwest direction (see Figure 1-1).

SITE GEOLOGY/HYDROGEOLOGY

The Site is predominately flat, with no distinguishable site features. Precipitation (i.e., rain or snow melt) generally moves radially from the Site via overland flow to on-Site catch basins. Site soil/fill and groundwater flow will be investigated during the Remedial Investigation.