

# Phase I Environmental Site Assessment Report

Former Union Carbide Facility  
1501 College Avenue  
Niagara Falls, New York

Draft 2007

0140-001-100

Prepared For:

Buffalo Fuel Corporation

Prepared By:



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**PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT**  
**for**  
**1501 COLLEGE AVENUE SITE**  
**NIAGARA FALLS, NEW YORK**

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## **1.0 EXECUTIVE SUMMARY**

### **1.1 REPORT FINDINGS**

The following details the findings of Benchmark Environmental Engineering and Science, PLLC (Benchmark) relative to all appropriate inquiries of recognized environmental conditions (RECs) for the property located at 1501 College Avenue, Niagara Falls New York in accordance with ASTM E1527-05. It should be noted that this Phase I Environmental Site Assessment (ESA) includes only a portion of what is required by the user to comply with all appropriate inquiries (See Appendix I). This section is provided for convenience to the reader. The reader is encouraged to read the entire report.

Benchmark understands that this assessment was requested by Buffalo Fuel (i.e., the User) for the purpose of meeting the all appropriate inquiries provisions necessary to qualify for landowner liability protections under CERCLA (See Appendix J).

#### **1.1.1 Site Description**

The property is characterized as an approximately 13.5-acre site, located at 1501 College Avenue (also formerly addressed at 3625 Highland Avenue), Niagara Falls New York (see Figures 1 and 2). The site is located in a heavily industrialized area of Niagara Falls and is surrounded by current or former heavy industrial sites.

The site was used for heavy industrial manufacturing from at least 1910 to the mid 1980's. The site was a portion of the larger former Union Carbide Co. manufacturing complex, also historically operated under the name of the National Carbon Company. The property was historically used for the manufacturing of coal-based carbon products that were used by alloy reduction smelters. Products that were manufactured at the site included; specialty machined graphite, carbon liners, cathode blocks, and, furnacing electrodes.

The site is currently an abandoned industrial site that is generally in poor condition and disrepair. Evidence of illegal dumping is obvious across the site; various debris piles, automobile parts, abandoned automobiles, abandoned tanker trucks, drums of unknown liquid and solid contents, sacks of unknown granular or solid materials, aboveground storage tanks (ASTs), and household debris are located throughout the interior and exterior the site. Apparent illegal scrapping of on-site materials and automobiles was also evident during the site inspection.

#### **1.1.2 Site Reconnaissance**

The subject property is currently vacant and contains multiple connected buildings (see Figures 2 and 3) parking areas, former rail lines, and areas covered by heavy vegetation.

Based on the reconnaissance, the following conditions that are indicative of releases or threatened releases of hazardous substances or petroleum products on, at, in, or to the subject property were identified.

- Multiple aboveground storage tanks (ASTs) were visible across the subject property, ranging in size from approximately 200 to 10,000-gallon capacities. Contents of the ASTs are unknown.
- Potential underground storage tanks (USTs) were noted in the area of the former boiler house based on the presence of the suspect vent pipes.
- Multiple 55-gallon drums (approx. 200 total) were noted across the entire site during the reconnaissance. Contents of the drums are unknown, though labels on several drums were boron carbide, furnace dust, grease and oil, and aluminum oxide. Many other drums were structurally compromised, filled with household type debris, auto parts, tar-like substances, grease and waste oils.
- Multiple cardboard drums (20-30 gallon, approx. 50 total) were noted. Contents are unknown, though they were in the vicinity of other 55-gallon steel drums, potentially abandoned by the former manufacturing process by Niagara Vest, Inc.
- Potentially PCB-containing roof coating was noted during the site inspection. Previous studies at an adjacent site (former Hazorb site) indicated that the roof coating contained elevated concentrations of PCBs. As the former Hazorb site and the former Niagara Vest site were previously part of one greater facility utilized by Union Carbide Co. facility, there is a potential for the roofing materials at the subject site to be similar in composition to the roofing materials found at the former Hazorb site.
- Suspect asbestos containing material (ACM) pipe wrap was noted throughout the site
- Chipping and flaking paint was noted throughout the subject property. Based on the age of the buildings, there is the potential that lead-based paints (LBP) were used.
- An illegal car repair-scraping operation (“chop shop”) is being openly operated on the subject property. Abandoned automobiles, auto parts, fluids (anti-freeze, oils, grease, fuel), batteries, and tires were prominent in the southwestern corner (Bldg #5) of the site.
- Two abandoned tanker trucks were noted on-site. The content, if any, of the tankers is unknown; the previous use or DOT placards were not evident.

- Illegal dumping of household and C&D debris was also noted on the subject property. Several automobiles (and a school bus) were present on site, as well as general debris.

### 1.1.3 Site History

The historical use of the subject property has been researched through review of historic maps, historic aerial photographs, municipal records, city directories, and/or other reasonably obtainable documents. In general, the historical site uses were determined to be as follows.

Date Range	Apparent Use	Source
1910 - 1980's	Industrial manufacturing	Aerial Photos, Sanborn maps, City Directories, City of Niagara Falls Permits, City of Niagara Falls Public Library

Based solely on site historical references, the following conditions, indicative of releases or threatened releases of hazardous substances on, at, in, or to the subject property, were identified:

- Based on the City of Niagara Falls, records indicate that a 1,000-gal UST was replaced by a 2,000-gal UST under the Union Carbide Co. records. Location of the replaced UST cannot be confirmed, and therefore the potential for USTs to be present on the subject property.
- Historical use of the subject property included heavy industrial manufacturing since at least 1910.

### 1.1.4 Regulatory Information

A review of regulatory database information and any additional regulatory information identified the following conditions, indicative of releases or threatened releases of hazardous substances and/or petroleum products on, at, in, or to the subject property:

- The subject property is listed as a Federal Toxicity Tracking System (FTTS) site, Historical FTTS, Facility Index System (FINDS), Resource Conservation and Recovery Act – Small Quantity Generator (RCRA-SQG), US Brownfields, MANIFEST, New York State Spill (NY Spills), and a NYS Historical Spills (NY Hist Spills) site. NYSDEC Spill #9600351 and #9304545 are currently closed.

- Adjacent properties are listed as a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS), CERCLIS – No Further Remedial Actions Planned (NFRAP), RCRA-LQG, RCRA-SQG, Hazardous Substance Waste Disposal Site (HSWDS), LTANKS, HIST LTANKS, UST, HIST UST, AST, US Brownfields, Manifest, FTTS, Hist FTTS, FINDS, and Spills site.

#### **1.1.5 Interviews**

Interviews were conducted with municipal representatives familiar with the subject property.

Historical use of the subject property as a industrial manufacturing site, which is potentially indicative of releases or threatened releases of hazardous substances on, at, in, or to the property, was identified based on these interviews.

#### **1.1.6 Previous Studies**

Benchmark reviewed “Site Investigation and Remedial Alternatives Report for the Hazorb Site, Niagara Falls, New York,” prepared by URS Corporation for the City of Niagara Falls Department of Environmental Services, report dated March 2001. That study was completed with funding by a United States Environmental Protection Agency (USEPA) Brownfield Assessment Grant for the former Hazorb site, located immediately east adjacent to the subject site. The former Hazorb Site and the subject site were once part of a greater parcel operated by Union Carbide and its predecessors.

Based on that report, elevated concentrations of semi-volatile organic compounds (SVOCs) in soil/fill, sediment and debris piles were present above current NYSDEC Part 375 restricted-industrial soil cleanup objectives (SCOs). Based on the similar historic operations at the Hazorb site and the subject site, it is possible that similar contaminants are present at the subject site. The referenced report is included in Appendix N.

Benchmark also reviewed a letter from the USEPA to Mr. Robert Marino, Director of the Bureau of Technical Support of the NYSDEC Division of Environmental Remediation dated November 2, 2003. According to that letter, the USEPA completed a removal action at the Hazorb site in 2003, which included “identification, stabilization, segregation, removal and disposal of all hazardous wastes found at the property.” That letter indicated that galbestos siding/roofing materials with high PCB levels (up to 56,000 ppm) were identified and transported off-site. The USEPA letter made note that galbestos material will continue to be deposited on-site as long as the [subject site] building remains.

## **1.2 CONCLUSIONS**

Benchmark Environmental has performed a Phase I Environmental Site Assessment in conformance with the scope and limitations of ASTM Practice E 1527 for 1501 College

Avenue, Niagara Falls, Niagara County, New York. Any exceptions to, or deletions from, this practice are described within Section 1.4 of the report. This assessment has revealed no evidence of recognized environmental conditions in connection with the property, except for the following:

- The site is currently an abandoned industrial site that is generally in poor condition and disrepair. Evidence of illegal dumping is obvious across the site; various debris piles, automobile parts, abandoned automobiles, abandoned tank tanker trucks, drums of unknown liquid and solid contents, sacks of unknown granular or solid materials, aboveground storage tanks (ASTs), and household debris are located throughout the interior and exterior the site. Apparent illegal scrapping of on-site materials and automobiles was also evident during the site inspection.
- The site is a portion of a former greater site operated by Union Carbide, which included the east adjacent site (i.e., former Hazorb site). Previous investigations and remediation of that site indicated that elevated SVOCs were present in soil/fill, sediment and debris piles above current NYSDEC Part 375 restricted-industrial SCOs. Furthermore, galbestos roofing/siding materials removed from the former Hazorb site contained hazardous concentrations of PCBs.
- Historical records indicated the presence of USTs on the property and the past use of the site as a heavy industrial site since at least 1910, as well as records indicating contamination on nearby properties.
- Regulatory search information indicating a historic petroleum spill on the property, and several adjacent and nearby properties that have documented releases or potential releases of hazardous material and/or petroleum products.
- The site is surrounded by heavy industrial use properties or former heavy industrial use properties.

### **1.3 OPINION**

Based on the information contained in this report, it is the opinion of the environmental professional preparing this report that the recognized environmental conditions listed above pose potential environmental impact to the property. Benchmark recommends that investigation of the subject site should be conducted. The scope of any additional investigation should generally include:

- A test pit program to investigate site soils
- Installation of soil boring and groundwater monitoring wells
- Excavation in the area of the suspect vent pipes proximate the boiler house to investigate potential USTs



- Sampling of areas with evidence surficial staining
- Sampling of debris piles
- Sampling/characterization of drum contents

Additional recommendations relative to business environmental risks include:

- Sampling of suspect galbestos siding materials
- A lead-based paint survey
- An asbestos survey

As you are considering purchasing and redeveloping the site, Benchmark recommends that you consider applying to the New York State Brownfield Cleanup Program. Based on the findings of this study, it appears that the site is a good candidate for that program.

## 1.4 DATA GAPS

The following data gaps<sup>1</sup> were encountered in completion of this inquiry.

Type of Data Gap	Details of Data Gap	Sources Consulted	Significance
Regulatory Review	The NYSDEC files were not available for review at the time of report preparation.	NYSDEC Region 9, Buffalo, New York	This data gap did not limit Benchmark's ability to provide an opinion on RECs related to the site.
Abstract of Title	The abstract of title was not available for review at the time of report preparation.	The title search was ordered by the prospective purchaser (i.e., user of this report).	This data gap did not limit Benchmark's ability to provide an opinion on RECs related to the site.

## 1.5 LIMITATIONS

To the best of our knowledge, the information contained in this report is true and accurate. Benchmark personnel have exercised due diligence in the compilation of the information contained herein appropriate to environmental professionals engaged in investigations of this sort. Benchmark makes no guarantees regarding the accuracy of information gained from other sources. Refer to Appendix I for additional limitations.

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

## **1.6 RELIANCE AND DECLARATION**

Benchmark authorizes Buffalo Fuel Corporation to use this report in reference to the subject property.

We declare that, to the best of our professional knowledge and belief, we meet the definition of Environmental Professional as defined in 40 CFR 312.10.

We have the specific qualifications based on education, training, and experience to assess a property of the nature, history and setting of the subject property. We have developed and performed the all-appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Prepared by:

Reviewed by:

**Nathan T. Munley**  
**Environmental Scientist**

**Michael A. Lesakowski**  
**Project Manager**

## **2.0 PURPOSE**

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

### 3.0 SCOPE OF WORK

This Environmental Assessment report has been prepared in accordance with “Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process,” ASTM E 1527-05. This standard was devised to address the site assessment portion for *Innocent Landowners, Standards for Conducting All Appropriate Inquiries* (40 CFR 312). The scope of work is intended to identify conditions indicative of releases or threatened releases of hazardous substances on, at, in, or to the subject property, via the following tasks.

A) Review of information provided by the person seeking liability protection relative to: environmental cleanup liens; specialized knowledge or experience regarding the subject property; relationship of the purchase price to the fair market value of the property, if the property were not contaminated; and, commonly known or reasonably available information about the subject property.

B) Interviews with past and present owners, operators and occupants.

C) Review of historical sources of information documenting the subject property’s first use.

D) Review of Federal, State, tribal and local government records, as defined in 40 CFR 312.26.

E) A visual inspection of the subject property and adjoining properties (to the extent possible).

F) Preparation of this written report on all appropriate inquiries.

## 4.0 SUBJECT PROPERTY/VICINITY DESCRIPTION

The property is characterized as an approximately 13.5-acre site, located at 1501 College Avenue (also formerly addressed at 3625 Highland Avenue), Niagara Falls New York (see Figures 1 and 2). The site is located in a heavily industrialized area of Niagara Falls and is surrounded by current or former heavy industrial sites.

The site was used for heavy industrial manufacturing from at least 1910 to the mid 1980's. The site was a portion of the larger former Union Carbide Co. manufacturing complex, also historically operated under the name of the National Carbon Company. The property was historically used for the manufacturing of coal-based carbon products that were used by alloy reduction smelters. Products that were manufactured at the site included; specialty machined graphite, carbon liners, cathode blocks, and, furnacing electrodes.

The site is currently an abandoned industrial site that is generally in poor condition and disrepair. Evidence of illegal dumping is obvious across the site; various debris piles, automobile parts, abandoned automobiles, abandoned tanker trucks, drums of unknown liquid and solid contents, sacks of unknown granular or solid materials, aboveground storage tanks (ASTs), and household debris are located throughout the interior and exterior the site. Apparent illegal scrapping of on-site materials and automobiles was also evident during the site inspection.

### 4.1 SITE RECONNAISSANCE

A visual site review of the subject property was completed to document site conditions and to identify recognized environmental conditions. The site reconnaissance included a walkover of all accessible areas. Mr. Michael A. Lesakowski and Mr. Nathan Munley of Benchmark performed the site reconnaissance with Mr. Thomas O'Malley from Buffalo Fuel Corp. in attendance.

For convenience to the reader, site inspection observations are referenced to Figure 3, which is a historic map obtained from the City of Niagara Falls that includes building numbers. Where practical, areas of the site are described relative to those building numbers. Otherwise, site photographs are included in Appendix A. The following summarizes Benchmark's observations.

#### 4.1.1 Overview

General Site Information	
Name of Site	Former Niagara Vest, Inc. Site
Site Address	1501 College Avenue
Municipality, County, State	Niagara Falls, Niagara County, New York
Fronting Streets	College Avenue, 15 <sup>th</sup> Street, and Highland Avenue
Site Size (acres)	13.5 +/-
Site Topography	Generally flat
Nearest Water Body	NA

Exterior Conditions/Improvements	Vacant warehouse/manufacturing buildings in general poor condition, some paved areas and former building foundations, heavy vegetation on southern portion of the site
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#### 4.1.2 Storage Tanks and Containers

The following concerns relative to storage tanks and other containers were noted on-Site:

- Multiple heating oil-type tanks were noted across the property. All heating oil-type tanks noted were in the range of 200-500 gallons capacity. Contents of tanks are unknown but suspected to formerly contain petroleum products.
- Three white chemical storage tanks were noted in the area adjacent to the former Hazorb building on the northeastern portion of the site. The three white tanks were approximately 5,000 gallons in capacity, and were intended to be vertically positioned; however, steel structural supports were missing. Contents are unknown.
- One yellow tank, approximately 300 gallon, was noted in the warehouse space. The tank was bulging and in poor condition. Contents are unknown.
- One large AST was noted about 20 feet above floor grade along the southern wall of the large warehouse/manufacturing building (Forming Bldg #3). The tank was an approximately 10,000-gallon capacity with unknown contents.
- Multiple 55-gallon drums (approx. 200 total) were noted across the entire site during the reconnaissance. Contents of all of the drums are unknown, though labels on several drums included boron carbide, furnace dust, grease and oil, and aluminum oxide. Many other drums were structurally compromised, either empty or filled with various materials including household type debris, auto parts, tar-like substances, grease and oils.
- Multiple cardboard drums (20-30 gallon, approx. 50 total) were noted. Contents are unknown, though they were in the vicinity of other 55-gallon steel drums, potentially abandoned by the former manufacturing operation.
- Numerous (50 or more) apparent “supersaks” filled with granular material were noted during the site reconnaissance.
- Several abandoned automobile gasoline tanks were noted across the property.
- Several residential-type propane and liquid natural gas (LNG) tanks were noted.
- Suspect underground storage tanks (USTs) were noted in the area of the former boiler house. Apparent UST vent pipes were noted, though presence of tanks and potential contents are unknown at this time.

#### 4.1.3 Hazardous or Regulated Materials

Various potential hazardous and/or regulated materials were noted stored on-Site at the time of the site inspection as described above.

#### **4.1.4 Solid, Hazardous or Regulated Waste**

Large debris piles (approximately 2,000 to 3,000 cubic yards) were noted inside the former Bldg #49 (see Figure 3). Piles consist of brick and block, wood and general waste. Origin of debris piles is unknown.

Several large debris piles of unknown materials were also noted during the site reconnaissance. Debris piles were noted in the large connected storage Bldg #4/ Baking Bldg #16 area.

As the facility is currently vacant, there are no hazardous/regulated waste streams being generated. However, historic use as a manufacturing/heavy industrial building suggests that such may have been generated historically.

#### **4.1.5 Staining, Corrosion, Stressed Vegetation and/or Dead Vegetation**

Several areas of staining were noted throughout the subject property. Staining was evident along the eastern section of the building (adjacent to Baking Bldg #49), which may be associated with hydraulic crane components found at the site (see Photolog).

Additional staining was noted along the southeastern corner of Bldg #49 and along the southwestern corner, in the vicinity of Maintenance Bldg#5, where apparent illegal parts scrapping and automobile repair activities are conducted.

Numerous areas of surficial staining were evident across the site, typically in areas of steel and cardboard drums, ASTs and debris piles. The site is generally unsecured with obvious signs of scrapping and vandalism site-wide.

#### **4.1.6 Wastewaters**

The site is served by municipal sewer. It is unknown if previous operations were required to treat wastewaters prior to sewer discharge.

#### **4.1.7 Potable Water Supply/Wells**

The site is served by municipal water supply. No potable wells were noted on the site.

#### **4.1.8 Air Emissions**

No process exhaust systems were noted on-site at the time of the site investigation. However, numerous bag filters, often associated with air handling units, were noted stored/dumped in several areas of the site.

#### **4.1.9 PCBs**

Potential PCB-containing electrical equipment/transformer pads were noted on-site during the site inspection. Concrete pads resembling transformer pads were noted on the eastern and southern exterior areas of the site.

Potentially PCB-containing roof coating was noted during reconnaissance. Previous studies at an adjacent site (former Hazorb site) indicated that the roof coating contained elevated concentrations of PCBs. As the former Hazorb site and the former Niagara Vest site were previously part of one greater facility utilized by Union Carbide Co. facility, there is a potential for the roofing materials at the subject site to be similar in composition to the roofing materials found at the former Hazorb site.

#### **4.1.10 Other Issues**

Although it was not quantified, it is estimated that several thousand linear feet of potential asbestos containing material (ACM) pipe wrap was noted throughout the site.

Chipping and flaking paint was noted throughout the subject property. Based on the age of the buildings, there is a potential that lead-based paints (LBP) were used.

An illegal car repair and apparent scrapping operation (“chop shop”) is being openly operated on the subject property. Abandoned automobiles, auto parts, fluids (anti-freeze, oils, grease, fuel), batteries, and tires were prominent in the southwestern corner (Bldg #5) of the site.

Two abandoned tanker trucks were noted on-site. The contents of the tankers are unknown; the previous use or DOT placards were not evident.

Illegal dumping of household and C&D debris was also noted on the subject property. Several automobiles (School bus) were present on site, as well as general debris.

## **4.2 ADJACENT SITE USE**

Adjacent properties were visually inspected from the subject property at the time of the site reconnaissance. The surrounding property uses include the following:



Direction	Owner/Current Use	Apparent Past Use	Concerns
<b>North</b>	Industrial/Commercial	- Same	- Potential releases associated with former manufacturing operation
<b>South:</b>	Unknown	- Scale house/silos (formerly part of Union Carbide Co.)	- Potential releases associated with former manufacturing operation
<b>East:</b>	Hazorb/vacant	- Union Carbide Co.	- Potential releases associated with former manufacturing operation
<b>West:</b>	Commercial	- Union Carbide Co.	- Potential releases associated with former manufacturing operation

### 4.3 SUBJECT SITE PHOTOGRAPHS

Benchmark personnel took photographs of the subject property during the site reconnaissance on August 10, 2007. The photographs were taken with the objective of documenting the physical condition of the subject property and any improvements thereon and are included in Appendix A.

### 4.4 SUMMARY OF OBSERVATIONS OF POTENTIAL CONCERNS

Based solely on observations made during the site inspection, the following conditions, indicative of releases or threatened releases of hazardous substances on, at, in, or to the subject property, were identified:

- Many metal and cardboard drums (30-, and 55-gallon), and ASTs (200 – 10,000 gallon) were discovered across the site. The contents of many of the containers are unknown, and it is assumed the containers are related to the former industrial users of the subject property.
- Potential underground storage tanks (USTs) were noted in the area of the former boiler house. USTs vent pipes were noted, though presence of tanks and potential contents are unknown at this time
- Several areas of staining were noted throughout the subject property. Staining was potentially associated with hydraulic crane components and ongoing illegal automobile scrapping/repair business.
- Approximately 2,000 lb “supersaks” were noted during the site reconnaissance. Contents are currently unknown and therefore, no determination on the materials classifications can be given. Potential hazardous and/or regulated materials may be stored at the site
- Several large piles of unknown materials, and piles of brick and block, wood and general waste were also noted during the site reconnaissance.

- Potential PCB-containing electrical equipment/transformer pads were noted on-site. Additionally, potentially PCB-containing roof-coating was noted during reconnaissance, based on historical evidence at adjacent site (Hazorb).
- Approximately 2,000 linear feet of a potentially asbestos containing material (ACM) pipe wrap was noted.
- Chipping and flaking paint was noted throughout the subject property. Based on the age of the buildings, there is a potential that lead-based paints were used.
- An illegal car repair-scraping operation (“chop shop”) is being openly operated on the subject property. Abandoned automobiles, auto parts, fluids (anti-freeze, oils, grease, fuel), batteries, and tires were prominent in the southwestern corner (Bldg #5) of the site.
- Location/proximity of subject property to surrounding sites (historical industrial area/formerly part of the Union Carbide Co. operations).

## 5.0 SUBJECT PROPERTY HISTORY AND USE

The historical use of the subject property has been researched through review of historic maps, historic aerial photographs, municipal records, city directories, historic topographic maps, and/or other reasonably obtainable documents. The following summarizes Benchmark's research.

### 5.1 HISTORIC AERIAL PHOTOGRAPHS

Historical aerial photographs serve to reveal former topography, buildings, structures and man-made works such as canals, lagoons and railroads that may have been altered or may no longer be in existence.

Historical aerial photographs were provided by EDR and <http://earth.google.com>. Changes in land use and general subject property characteristics were noted and are described below. Copies of the aerial photographs are included in Appendix B. Observations of the subject property and surrounding properties are detailed below.

YEAR/SITE	OBSERVATIONS/PROPERTY USES
1972	
Subject Property	Existing manufacturing facility
North	Industrial / Manufacturing
South	Fill-activities / Vacant / Residential
East	Industrial / Manufacturing
West	Manufacturing
1985	
Subject Property	Existing manufacturing facility
North	Industrial / Manufacturing
South	Fill-activities / Vacant / Residential
East	Industrial / Manufacturing
West	Manufacturing
1995	
Subject Property	Existing manufacturing facility
North	Industrial / Manufacturing
South	Fill-activities / Vacant / Residential
East	Industrial / Manufacturing
West	Manufacturing
2006	
Subject Property	Existing manufacturing facility (eastern portion of historical building related to Hazorb has been demolished)
North	Industrial / Manufacturing
South	Silos / Commercial structures
East	Vacant / Concrete foundations
West	Manufacturing / Vacant

## 5.2 SANBORN MAPS

EDR provided historical Sanborn maps for 1914, 1950, 1955, 1958, 1965, 1979, and 1985. Niagara Works of National Carbon Co. Divn. of Union Carbide Corp. is noted on all maps in the area of the subject site (except the 1914 map); however, it was noted that admission was refused on to the property, and therefore no on-site coverage is available (see Appendix C).

## 5.3 CITY DIRECTORIES

Historic Polk Directories were researched at the Niagara Falls Public Library and reviewed for additional information regarding the subject property. 1501 College Avenue and 3625 Highland Avenue addresses were both searched, as municipal records indicate that the Niagara Works Union Carbide Co. was officially addressed at the Highland Avenue address, with Niagara Vest, Inc. being addressed at 1501 College Avenue. Past occupants of the subject property and those of adjacent/nearby properties have been identified through the Polk Directories as listed below.

YEAR	OCCUPANTS/PROPERTY USES
1946	
Subject Property (3625 Highland Avenue)	National Carbon Company
Adjacent/Nearby Properties (address)	Chisholm-Ryder Mach Manu (1500) General Abrasives (1600) American Terrazzo Strip Co. (1650) Niagara Steel Finishing Co. (1700)
1955	
Subject Property	Same as above
Adjacent/Nearby Properties (address)	Chisholm-Ryder Mach Manu & Niagara Pattern Works (1500) Forgione Lbr. Co. (1690) Niagara Steel Finishing Co. (1700) General Abrasives (2000) Nilok Chemicals (2000) Crouch Mining Co. (2000)
1964	
Subject Property	No Return
Adjacent/Nearby Properties (address)	Premax Products (1500) Forgione Lbr. Co. (1690) General Abrasives (2000)
1975	
Subject Property	Union Carbide Carbon Product Division
Adjacent/Nearby Properties (address)	General Abrasives Div of US Industries Co. (2000)
1985	
Subject Property	Union Carbide Carbon Product Division
Adjacent/Nearby Properties (address)	General Abrasives Div of US Industries Co. (2000)
1995	
Subject Property	No Listing
Adjacent/Nearby Properties (address)	General Abrasives (2000)

## 5.4 HISTORIC TOPOGRAPHIC MAPS

EDR provided historical topographic maps for 1901, 1944, 1965, 1980, and 1995. Copies of the maps are included in Appendix E. The subject property is clearly visible on the 1944 through 1995 maps; with rail lines being removed from the subject property at some time between 1980 and 1995.

## 5.5 MUNICIPAL RECORDS

Subject Property Information	
Sources	City of Niagara Falls Environment and Inspections, Assessor's Office, City of Niagara Falls Fire Department
SBL No.	130.18-2-3.2111 (1501 College Avenue)
Size (acres)	~13.5
Current Owner	Niagara Vest, Inc.
Past Owners	Union Carbide Co. / National Carbon Company
Square Footage of Buildings	~ 280,000
Date of Construction	1910 - 1964
Utilities Provided	Electric, Natural Gas, Sewer and Water within the vicinity of the subject property.

### 5.5.1 City of Niagara Falls Records

Benchmark personnel visited the City of Niagara Falls Assessor's Office, Engineering, and Environmental and Inspections Departments on August 10, 2007 to investigate historical permits that potentially would be indicative of environmental releases.

The Environment and Inspections Dept. (Building Permits) was searched for the current address of 1501 College Avenue and one permit was noted for the Niagara Vest, Inc. property to build a steel scale building (1993). Additionally, historical records were kept under company names, as well as addresses. Union Carbide Company and National Carbon Co. were also searched and revealed historical address for Union Carbide Co. of 3625 Highland Avenue. The Union Carbide Co. permits file showed demolition permits for 12 buildings (1F, 66, 2, 1E, 23, 1A, 1B, 1C, 1, 1D, 1G and Boiler House – see Figure 3 for reference to some of those listed buildings.)

Also under the Union Carbide Co. permit folder, a permit to remove and install an UST was viewed. The permit denoted the removal of a 1,000-gal gas tank, and an installation of a 2,000-gal gas tank. Location was not referenced.

A FOIA request was forwarded to the Niagara Falls Fire Department on August 16, 2007 for information concerning the subject property. No response from the Fire Department was available at the time of writing this report.

### 5.5.2 Abstract of Title

The Abstract of Title was not available for review at the time of writing this report.

## 5.6 SUMMARY OF HISTORIC USES

The historical use of the subject property has been researched through review of historic maps, historic aerial photographs, municipal records, city directories and/or other reasonably obtainable documents, as detailed below.

Date Range	Apparent Use	Source
1910-present	Industrial Manufacturing (National Carbon Corp., Union Carbide Co., Niagara Vest, Inc.)	Sanborn maps, City Directories, City of Niagara Falls Assessors Office and Building Permits

Based solely on site historical references, the following conditions, indicative of releases or threatened releases of hazardous substances on, at, in, or to the subject property, were identified:

- Based on the City of Niagara Falls, records indicate that a 1,000-gal UST was replaced by a 2,000-gal UST under the Union Carbide Co. records. Location of the replaced UST cannot be confirmed, and therefore the potential for USTs to be present on the subject property.
- Historical use of the subject property included heavy industrial manufacturing since at least 1910.

## **6.0 PHYSICAL AND HYDROGEOLOGIC SETTING**

The subject property is included on the USGS Topographic Niagara Falls, NY Quadrangle Map. Regional groundwater would appear to flow in a southern direction towards the Niagara River based on a review of geological/soils and USGS quadrangle maps.

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

The Site is located within the Erie-Niagara River basin. Viable aquatic habitats in the vicinity of the Site include the Niagara River to the west.

## **7.0 REGULATORY INFORMATION**

Regulatory information involving the subject property was obtained through a commercial database search company (Environmental Data Resources, Inc. a.k.a. EDR), interviews with local municipalities and/or other knowledgeable persons and NYSDEC FOIA requests. The following summarizes the regulatory research.

### **7.1 ENVIRONMENTAL RECORDS DATABASE**

Federal and state environmental regulatory information provided by EDR. Databases were reviewed at the radii defined in 40 CFR 312.26 (See Appendix G).

Any sites unplottable by EDR were also reviewed, to the extent practical based on the site name and address, to assess whether they are also present within their appropriate radii. Any listings for the subject property or any adjacent sites are included in the details below. (Note that the term “adjacent sites” refers to immediately surrounding properties, discounting streets and water bodies).

#### **7.1.1 Subject Property**

##### **7.1.1.1 1501 College Avenue**

Based on the EDR report, the subject property, identified as Old Union Carbide, addressed at 1501 College Avenue, Niagara Falls, New York, is listed as a New York State Spill (NY Spills), and a NYS Historical Spills (NY Hist Spills) site. NYSDEC Spill #9600351 was closed on 04/23/1996.

The subject property, identified as Niagara Vest, Inc., addressed at both 1501 College Avenue and Highland Avenue, Niagara Falls, New York, is listed as a Federal Toxicity Tracking System (FTTS) site, Historical FTTS, Facility Index System (FINDS), NY Spills, and NY Hist Spills site. NYSDEC Spill #9304545 was closed on 02/22/1995.

##### **7.1.1.2 3625 Highland Avenue**

Historical evidence shows that the subject property was formerly part of the Union Carbide Company – Niagara Works site, which was addressed at 3625 Highland Avenue, and as such will be included in the subject property review.

The subject property, identified as UCAR Carbon Com Inc and Union Carbide Corp., addressed at 3625 and 3645 Highland Avenue, is listed as a Resource Conservation and Recovery Act – Small Quantity Generator (RCRA-SQG), US Brownfields, MANIFEST, Spills, and Hist Spills site.



### **7.1.2 Adjacent Properties**

An adjacent property, identified as Niagara Mohawk Right of Way, addressed at 1501 College Avenue (adjacent to), is listed as a FTTS, Hist FTTS, and FINDS site.

An adjacent property, identified as Hazorb site - USEPA, and Hazorb property, all addressed at 1731 College Avenue, are listed as a Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS), RCRA-LQG, US Brownfields, Manifest, and Spills site. NYSDEC Spill #0375325 was closed on 04/12/2004. The Hazorb property identified above was historically part of the former Union Carbide Co. facility, and is immediately adjacent to the east of the subject property.

An adjacent property, identified as Chisholm-Ryder, Chism-Ryder, and 3800 Highland, Inc., addressed at either College at Highland or 3800 Highland Avenue, are listed as a CERCLIS – No Further Remedial Actions Planned (NFRAP), RCRA-SQG, Hazardous Substance Waste Disposal Site (HSWDS), LTANKS, HIST LTANKS, UST, HIST UST, AST, MANIFEST, Spills, and Hist Spills site.

An adjacent property, identified as Globe Metallurgical Inc., addressed at 3807 Highland Avenue, is listed as a RCRA-SQG, LTANKS, HIST LTANKS, UST, HIST UST, AST, and Spills site.

An adjacent property, identified as SKW Newco, Inc., addressed at 3801 Highland Avenue (apparently a related entity to Globe Metallurgical, Inc.), is listed as a RCRA-SQG, FINDS and NY Manifest site.

An adjacent property, identified as US Vanadium., addressed at 3801 Highland Avenue, is listed as a CERCLIS-NFRAP site.

### **7.1.3 Nearby and Surrounding Properties**

In addition to the sites listed above, numerous additional sites listed on one or more environmental databases are located proximate to the subject property (see Appendix G). However, based on Benchmark's review, each of these additional sites falls in to one or more of the following categories:

- It is listed on databases that indicate a potential for, but not an actual documented current or historical release (e.g., RCRA small quantity generator or large quantity generator; registered chemical bulk storage or petroleum bulk storage sites). As such, these sites are not considered to pose a recognized environmental condition at the subject property due to absence of a documented release, and are not specifically called out here. Exceptions include major oil storage facilities and sites engaged in chemical production and distribution, which pose a somewhat greater risk and are therefore listed.

- It is located greater than ¼ mile from the subject property, and is not considered a recognized environmental condition at the subject property based on the distance to the subject property.
- It is present at a location that is not expected to pose potential for impact on the subject property due to topography and likely groundwater flow direction, and is not considered a recognized environmental condition at the subject property based on unlikelihood for impacts associated with migration of contaminants onto the subject property.

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

## **7.2 NYSDEC RECORDS**

To augment the information provided by EDR, a FOIA request was forwarded to the NYSDEC on August 13, 2007 for information concerning the subject property.

Mr. Greg Sutton of the NYSDEC responded to the FOIA request and provided historical reports for 3625 Highland Avenue, which was once used as the address for the greater Union Carbide facility, including the current buildings at 3625 Highland Avenue, the subject site and the east adjacent former Hazorb site. The documents provided were only associated with the current 3625 Highland Avenue parcel, which is west adjacent to the subject site. If additional pertinent records for the site are provided by the NYSDEC, such will be reviewed and included as an addendum to this report.

## **7.3 ENFORCEMENT ACTIONS/PERMITTED ACTIVITIES/INSTITUTIONAL CONTROLS**

According to obtainable information to date, there have been no enforcement actions, orders or institutional controls imposed against the referenced subject property.

## **7.4 SUMMARY OF REGULATORY INFORMATION**

The following conditions indicative of releases or threatened releases of hazardous substances and/or petroleum products on, at, in, or to the subject property were identified based on review of regulatory information:

- The subject property, identified as Old Union Carbide, addressed at 1501 College Avenue, Niagara Falls, New York, is listed as a New York State Spill (NY Spills), and

a NYS Historical Spills (NY Hist Spills) site. NYSDEC Spill #9600351 was closed on 04/23/1996.

- The subject property, identified as Niagara Vest, Inc., addressed at both 1501 College Avenue and Highland Avenue, Niagara Falls, New York, is listed as a Federal Toxicity Tracking System (FTTS) site, Historical FTTS, Facility Index System (FINDS), NY Spills, and NY Hist Spills site. NYSDEC Spill #9304545 was closed on 02/22/1995.
- The subject property, identified as UCAR Carbon Com Inc and Union Carbide Corp., addressed at 3625 and 3645 Highland Avenue, is listed as a Resource Conservation and Recovery Act – Small Quantity Generator (RCRA-SQG), US Brownfields, MANIFEST, Spills, and Hist Spills site.
- An adjacent property, identified as Niagara Mohawk Right of Way, addressed at 1501 College Avenue (adjacent to), is listed as a FTTS, Hist FTTS, and FINDS site.
- An adjacent property, identified as Hazorb site, Hazorb site - USEPA, and Hazorb property, all addressed at 1731 College Avenue, are listed as a Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS), RCRA-LQG, US Brownfields, Manifest, and Spills site. NYSDEC Spill #0375325 was closed on 04/12/2004. The Hazorb property identified above was historically part of the former Union Carbide Co. facility, and is immediately adjacent to the east of the subject property.
- An adjacent property, identified as Chisholm-Ryder, Chism-Ryder, and 3800 Highland, Inc., addressed at either College at Highland or 3800 Highland Avenue, are listed as a CERCLIS – No Further Remedial Actions Planned (NFRAP), RCRA-SQG, Hazardous Substance Waste Disposal Site (HSWDS), LTANKS, HIST LTANKS, UST, HIST UST, AST, MANIFEST, Spills, and Hist Spills site.
- An adjacent property, identified as Globe Metallurgical Inc, Chism-Ryder, and 3800 Highland, Inc., all addressed at 3807 Highland Avenue, either College at Highland or 3800 Highland Avenue, are listed as a RCRA-SQG, LTANKS, HIST LTANKS, UST, HIST UST, AST, and Spills site.
- An adjacent property, identified as SKW Newco, Inc., addressed at 3801 Highland Avenue (apparently a related entity to Globe Metallurgical, Inc.), is listed as a RCRA-SQG, FINDS and NY Manifest site.
- An adjacent property, identified as US Vanadium., addressed at 3801 Highland Avenue, is listed as a CERCLIS-NFRAP site.

## **8.0 INTERVIEWS/USER PROVIDED INFORMATION**

### **8.1.1 User/Owner Provided Information**

As required under 40 CFR 312, those seeking liability protection under CERCLA, for which this report is prepared, must provide the environmental professional certain information and documentation. Responses to user-provided questions are presented in Appendix J. Benchmark has requested that information from the appropriate party (Mr. Tom O'Malley of Buffalo Fuel Corporation) and the responses to that inquiry is as follows.

#### **Environmental Liens**

According to Mr. O'Malley, there are no environmental cleanup liens against the subject property that are filed or recorded under federal, tribal, state or local law.

#### **Activity Use Limitations**

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

#### **Specialized knowledge or experience**

According to Mr. O'Malley, there are no engineering controls in place, filed or recorded under federal, tribal, state or local law for the Site.

#### **Commonly Known or Reasonably Ascertainable Information**

According to Mr. O'Malley, he has no specialized knowledge or experience regarding the subject property, the area surrounding the subject property, the conditions of adjoining properties or other experience relative to this inquiry indicative of releases or threatened releases at the subject property.

#### **Obvious Indicators**

According to Mr. O'Malley, he has no knowledge of the former use of the property, which would be potentially indicative of the presence or likely presence of contamination on the subject property.

### **8.1.2 Previous Owner Information**

Benchmark was unable to identify a previous site owner familiar with historic site operations.

## **8.2 SUMMARY OF INTERVIEWS/USER PROVIDED INFORMATION**

No conditions indicative of releases or threatened releases of hazardous substances and/or petroleum products on, at, in, or to the subject property were identified based on user provided information.

## 9.0 PREVIOUS STUDIES

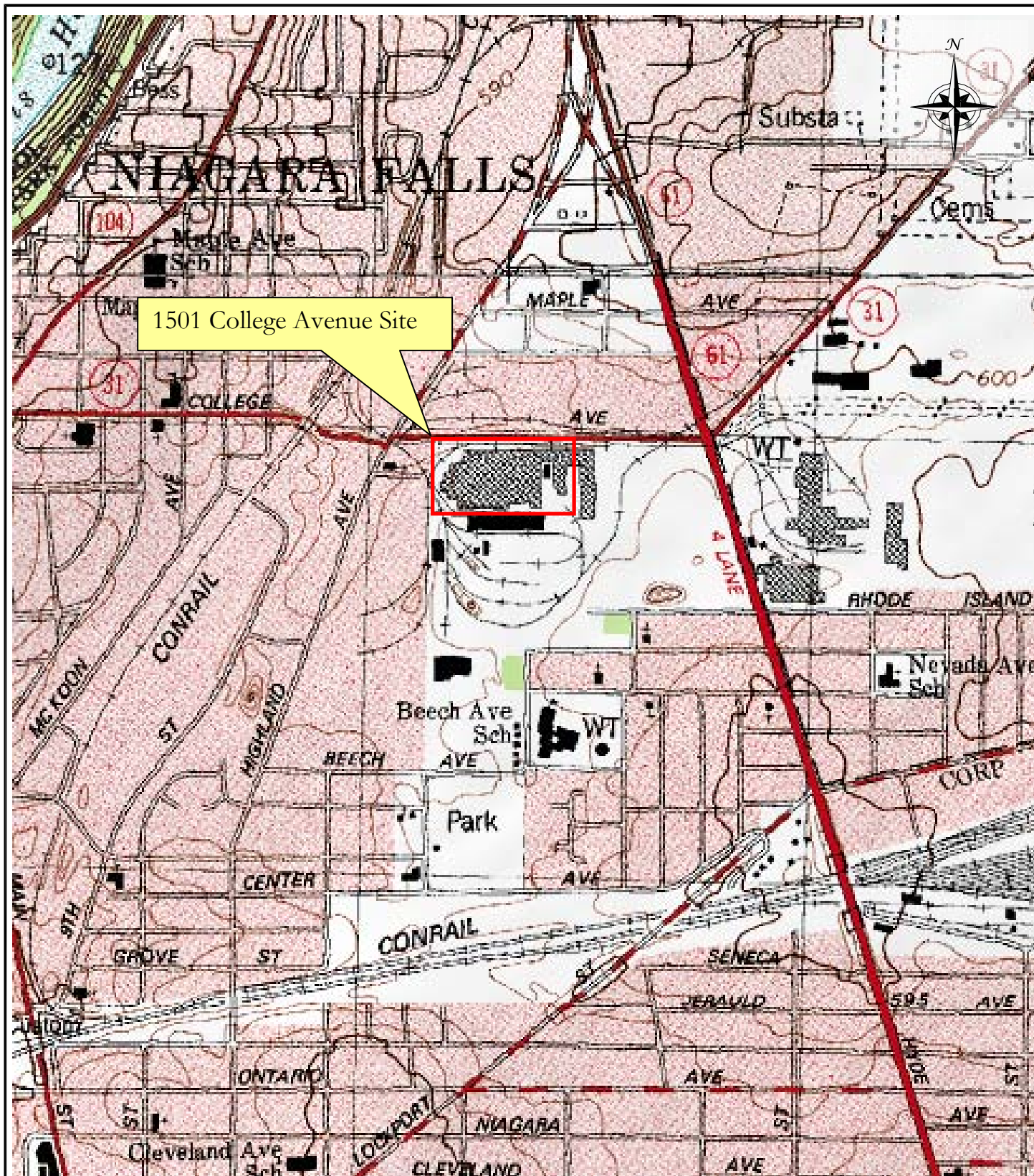
Benchmark reviewed “Site Investigation and Remedial Alternatives Report for the Hazorb Site, Niagara Falls, New York,” prepared by URS Corporation for the City of Niagara Falls Department of Environmental Services, report dated March 2001. That study was completed with funding by a United States Environmental Protection Agency (USEPA) Brownfield Assessment Grant for the former Hazorb site, located immediately east adjacent to the subject site. The former Hazorb Site and the subject site were once part of a greater parcel operated by Union Carbide and its predecessors.

Based on that report, elevated concentrations of semi-volatile organic compounds (SVOCs) in soil/fill, sediment and debris piles were present above current NYSDEC Part 375 restricted-industrial soil cleanup objectives (SCOs). Based on the similar historic operations at the Hazorb site and the subject site, it is possible that similar contaminants are present at the subject site. The referenced report is included in Appendix N.

Benchmark also reviewed a letter from the USEPA to Mr. Robert Marino, Director of the Bureau of Technical Support of the NYSDEC Division of Environmental Remediation dated November 2, 2003. According to that letter, the USEPA completed a removal action at the Hazorb site in 2003, which included “identification, stabilization, segregation, removal and disposal of all hazardous wastes found at the property.” That letter indicated that galbestos siding/roofing materials with high PCB levels (up to 56,000 ppm) were identified and transported off-site. The USEPA letter made note that galbestos material will continue to be deposited on-site as long as the [subject site] building remains.

# FIGURES

**FIGURE 1**



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

## SITE LOCATION AND VICINITY MAP

### PHASE I ENVIRONMENTAL SITE ASSESSMENT

1501 COLLEGE AVENUE SITE  
NIAGARA FALLS, NEW YORK

PREPARED FOR  
BUFFALO FUEL CORPORATION

PROJECT NO.: 0140-001-100

DATE: AUGUST 2007

DRAFTED BY: NTM



1501 College Avenue parcel

College Avenue



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

PROJECT NO.: 0140-001-100

DATE: AUGUST 2007

DRAFTED BY: NTM

## SITE PLAN MAP

PHASE I ENVIRONMENTAL SITE ASSESSMENT

1501 COLLEGE AVENUE SITE  
NIAGARA FALLS, NEW YORK

PREPARED FOR  
BUFFALO FUEL CORPORATION

FIGURE 2





# APPENDIX A

## SITE RECONNAISSANCE PHOTOGRAPHS

## SITE PHOTOGRAPHS

Photo 1:



Photo 2:



Photo 3:



Photo 4:



Photo 1: Adjacent property to the east (Hazorb)

Photo 2: Interior of subject property

Photo 3: Exterior of subject property

Photo 4: Interior conditions (supersaks)

**1501 College Ave Site**  
**Niagara Falls, New York**

Photo Date: August 10, 2007





## SITE PHOTOGRAPHS

Photo 5:



Photo 6:



Photo 7:



Photo 8:



- Photo 5: Adjacent property (looking north)
- Photo 6: Exterior of property (southwest side)
- Photo 7: Interior conditions
- Photo 8: Debris pile / drums

**1501 College Ave Site  
Niagara Falls, New York**

Photo Date: August 10, 2007



## SITE PHOTOGRAPHS

Photo 9:



Photo 10:



Photo 11:



Photo 12:



Photo 9: Tanker truck

Photo 10: Collection of drums

Photo 11: Former railroad bed

Photo 12: Automobile parts (tires, gasoline tanks)

1501 College Ave Site  
Niagara Falls, New York

Photo Date: August 10, 2007





## SITE PHOTOGRAPHS

Photo 13:



Photo 14:



Photo 15:



Photo 16:



Photo 13: Spilled drum – unknown contents

Photo 14: Staining / spilled drum contents

Photo 15: Sump in floor

Photo 16: Interior ceiling

1501 College Ave Site  
Niagara Falls, New York

Photo Date: August 10, 2007



## SITE PHOTOGRAPHS

Photo 17:



Photo 18:



Photo 19:



Photo 20:



Photo 17: Interior conditions

Photo 18: Interior debris piles (bricks, wood, general trash)

Photo 19: Former AST

Photo 20: Dumping activities (automobile parts, general debris)

**1501 College Ave Site  
Niagara Falls, New York**

Photo Date: August 10, 2007





## SITE PHOTOGRAPHS

Photo 21:



Photo 22:



Photo 23:



Photo 24:



Photo 21: Exterior condition in southwest corner (area of illegal auto scrapping/repair)

Photo 22: AST

Photo 23: Drum with tar-like contents

Photo 24: One of three former ASTs (adjacent to Hazorb boundary)

**1501 College Ave Site**  
**Niagara Falls, New York**

Photo Date: August 10, 2007





## SITE PHOTOGRAPHS

Photo 25:



Photo 26:



Photo 27:



Photo 28:



Photo 25: Potential USTs vent pipes

Photo 26: Debris pile

Photo 27: Interior conditions

Photo 28: Elevated AST (approx. 10,000-gallon)

**1501 College Ave Site  
Niagara Falls, New York**

Photo Date: August 10, 2007

## SITE PHOTOGRAPHS

Photo 29:



Photo 30:



Photo 31:



Photo 32:



Photo 29: Supersaks (~ 2,000 lb), contents unknown

Photo 30: Shallow well

Photo 31: Potential ACM pipe wrap

Photo 32: Silos (coal and graphite)

**1501 College Ave Site  
Niagara Falls, New York**

Photo Date: August 10, 2007



## SITE PHOTOGRAPHS

Photo 33:



Photo 34:



Photo 35:



Photo 36:



Photo 33: Former furnace stack

Photo 34: Miscellaneous drums

Photo 35: Misc. drum contents

Photo 36: Misc. drum contents

**1501 College Ave Site  
Niagara Falls, New York**

Photo Date: August 10, 2007



## SITE PHOTOGRAPHS

Photo 37:



Photo 38:



Photo 39:



Photo 40:



Photo 37: Pipe wrapping (some potential ACMs)

Photo 38: Unknown product pile

Photo 39: Unknown product and supersaks

Photo 40: Heavy machinery

**1501 College Ave Site  
Niagara Falls, New York**

Photo Date: August 10, 2007



## SITE PHOTOGRAPHS

Photo 41:



Photo 42:



Photo 43:



Photo 44:



Photo 41: Gasoline tanks and debris

Photo 42: Exterior conditions

Photo 43: Interior conditions

Photo 44: Misc. drums

1501 College Ave Site  
Niagara Falls, New York

Photo Date: August 10, 2007

## SITE PHOTOGRAPHS

Photo 45:



Photo 46:



Photo 47:



Photo 48:



Photo 45: Railroad track adjacent to subject property (looking from the east)

Photo 46: Tanker truck

Photo 47: Damaged pipe wrap (potential ACMs)

Photo 48: Interior debris piles

**1501 College Ave Site  
Niagara Falls, New York**

Photo Date: August 10, 2007





## SITE PHOTOGRAPHS

Photo 49:



Photo 50:



Photo 51:



Photo 52:



Photo 49: Debris (drums and automobile batteries)

Photo 50: Interior conditions

Photo 51: Graphite boulders

Photo 52: Exterior staining

**1501 College Ave Site  
Niagara Falls, New York**

Photo Date: August 10, 2007

## **APPENDIX B**

### HISTORICAL AERIAL PHOTOGRAPHS





## **The EDR Aerial Photo Decade Package**

**1501 College Avenue  
1501 College Avenue  
Niagara Falls, NY 14305**

**Inquiry Number: 1999478.5**

**August 21, 2007**

## **The Standard in Environmental Risk Information**

**440 Wheelers Farms Road  
Milford, Connecticut 06461**

### **Nationwide Customer Service**

Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
Internet: [www.edrnet.com](http://www.edrnet.com)

# EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDRs professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

**When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.**

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

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**Date EDR Searched Historical Sources:**

Aerial Photography August 21, 2007

**Target Property:**

1501 College Avenue

Niagara Falls, NY 14305

<u><i>Year</i></u>	<u><i>Scale</i></u>	<u><i>Details</i></u>	<u><i>Source</i></u>
1972	Aerial Photograph. Scale: 1"=500'	Panel #: 2443079-A1/Flight Date: May 13, 1972	EDR
1985	Aerial Photograph. Scale: 1"=1000'	Panel #: 2443079-A1/Flight Date: May 03, 1985	EDR
1995	Aerial Photograph. Scale: 1"=750'	Panel #: 2443079-A1/Flight Date: March 28, 1995	EDR

INQUIRY #: 1999478.5

YEAR: 1972



| = 500'





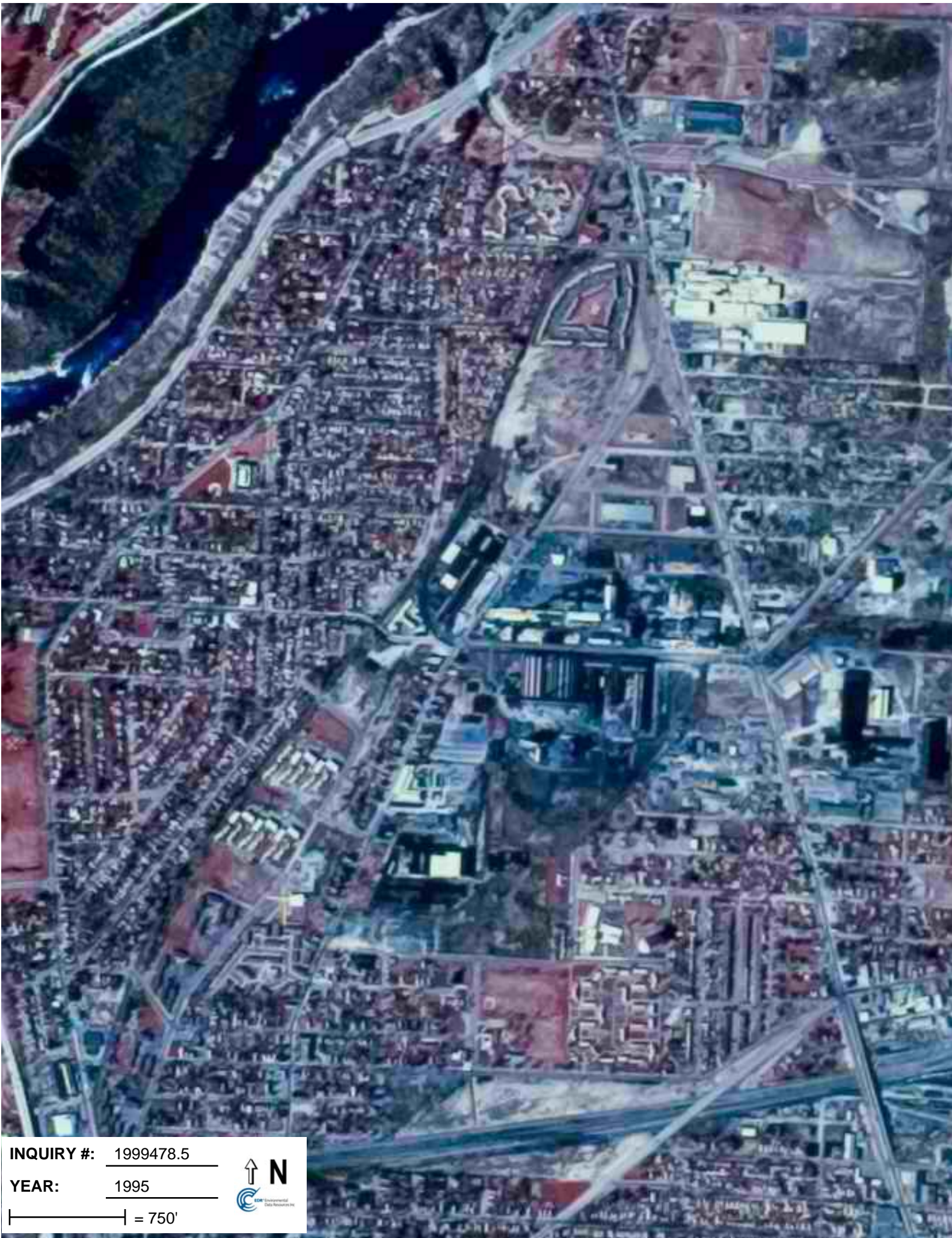
**INQUIRY #:** 1999478.5

**YEAR:** 1985

| = 1000'







INQUIRY #: 1999478.5

YEAR: 1995

| = 750'



2006 Aerial



([www.local.live.com](http://www.local.live.com))

# **APPENDIX C**

## **SANBORN MAPS**



# Certified Sanborn® Map Report



Sanborn® Library search results  
Certification # E6FE-4783-A5F3

**1501 College Avenue  
1501 College Avenue  
Niagara Falls, NY 14305**

**Inquiry Number 1999478.3s**

**August 08, 2007**



**EDR®** Environmental  
Data Resources Inc

## **The Standard in Environmental Risk Information**

440 Wheelers Farms Rd  
Milford, Connecticut 06461

### **Nationwide Customer Service**

Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
Internet: [www.edrnet.com](http://www.edrnet.com)

## Certified Sanborn® Map Report

8/08/07

**Site Name:**

1501 College Avenue  
1501 College Avenue  
Niagara Falls, NY 14305

**Client Name:**

Benchmark Environmental,  
726 Exchange Street  
Buffalo, NY 14210

EDR Inquiry # 1999478.3s

Contact: Nathan Munley



The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Benchmark Environmental, PLLC were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

### Certified Sanborn Results:

**Site Name:** 1501 College Avenue  
**Address:** 1501 College Avenue  
**City, State, Zip:** Niagara Falls, NY 14305  
**Cross Street:**  
**P.O. #** NA  
**Project:** NA  
**Certification #** E6FE-4783-A5F3



Sanborn® Library search results  
Certification # E6FE-4783-A5F3

### Maps Identified - Number of maps indicated within "( )"

1985 (1) 1914 (1)  
1979 (1)  
1965 (1)  
1958 (1)  
1955 (1)  
1950 (2)

Total Maps: 8

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

- ☒ Library of Congress
- ☒ University Publications of America
- ☒ EDR Private Collection

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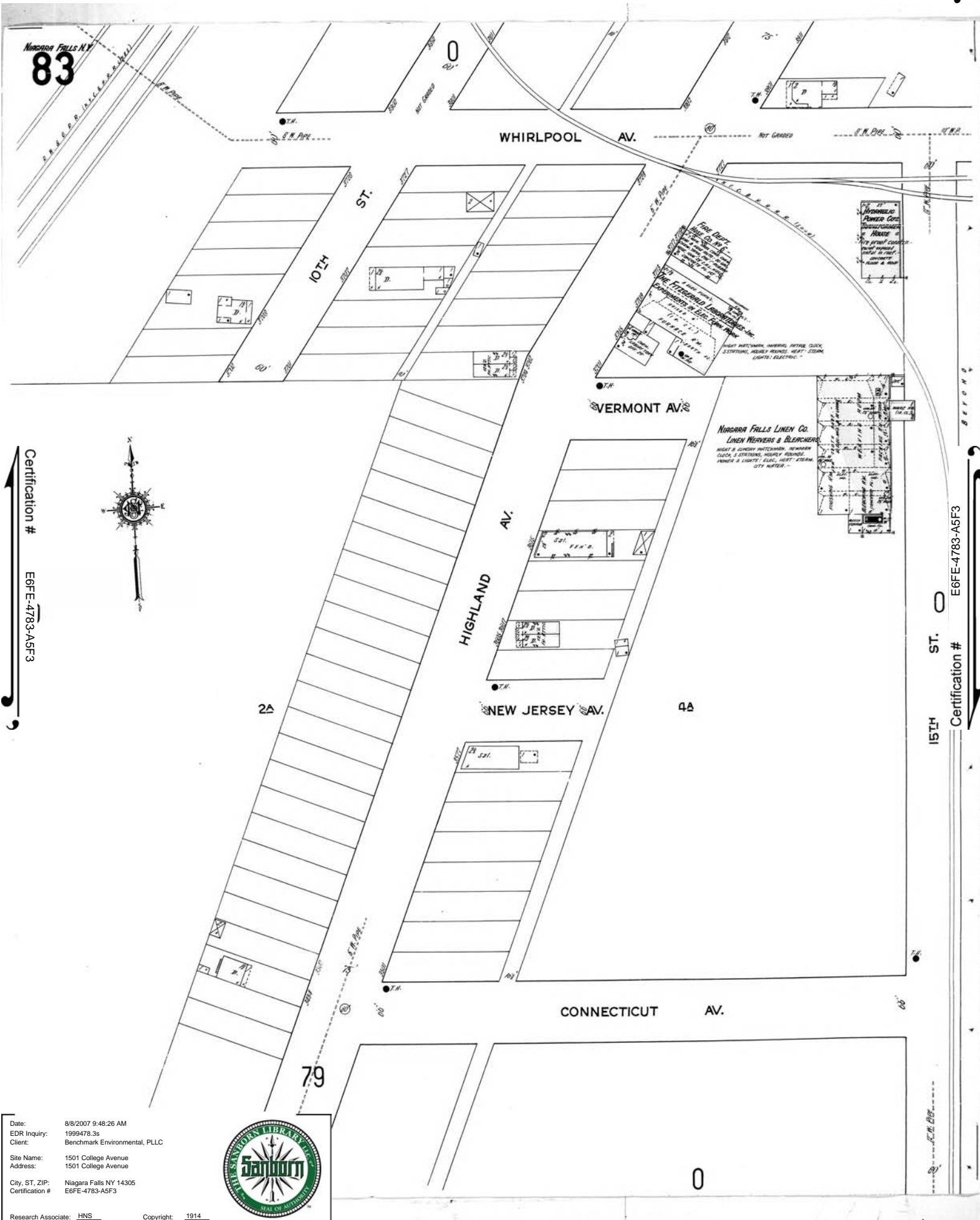
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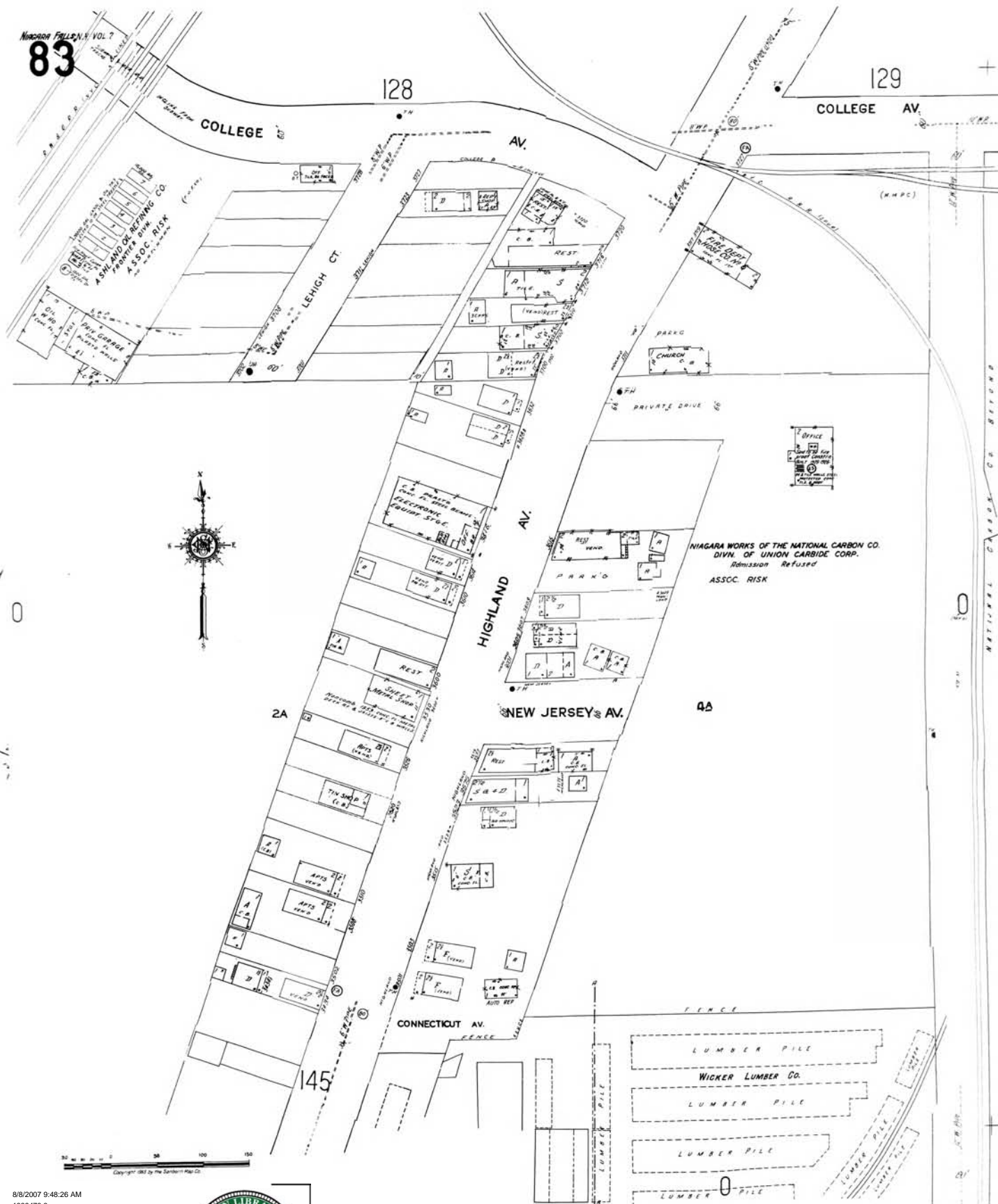


Certification # E6FE-4783-A5F3

ST. 0 Certification # E6FE-4783-A5F3

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 EDR Inquiry: 1999478.3s  
 Client: Benchmark Environmental, PLLC  
 Site Name: 1501 College Avenue  
 Address: 1501 College Avenue  
 City, ST, ZIP: Niagara Falls NY 14305  
 Certification #: E6FE-4783-A5F3





Certification #

E6FE-4783-A5F3

E6FE-4783-A5F3

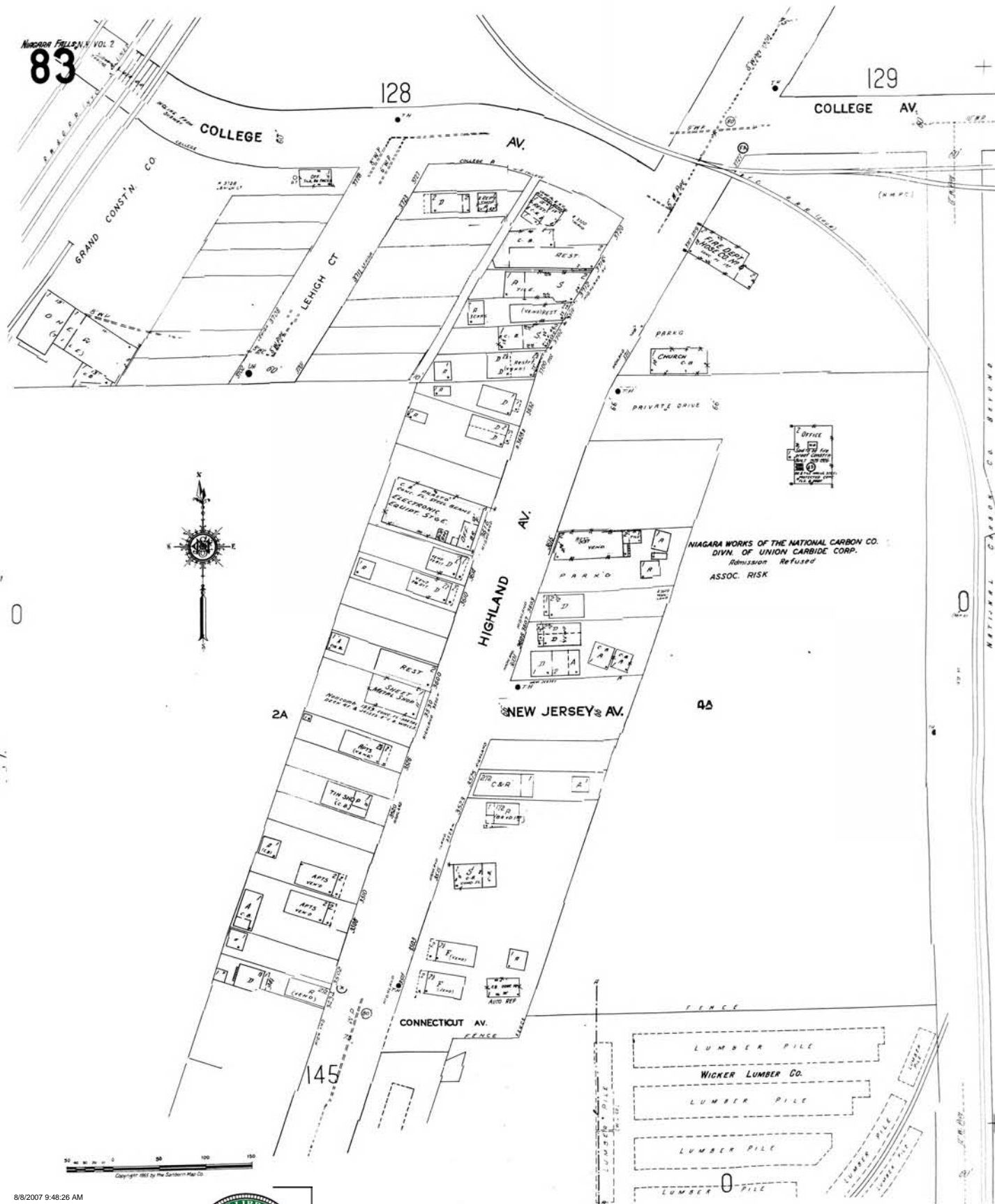
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 Site Name: 1501 College Avenue  
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 City, ST, ZIP: Niagara Falls NY 14305  
 Certification # E6FE-4783-A5F3



Research Associate: HNS Copyright: 1979





Certification #

E6FE-4783-A5F3

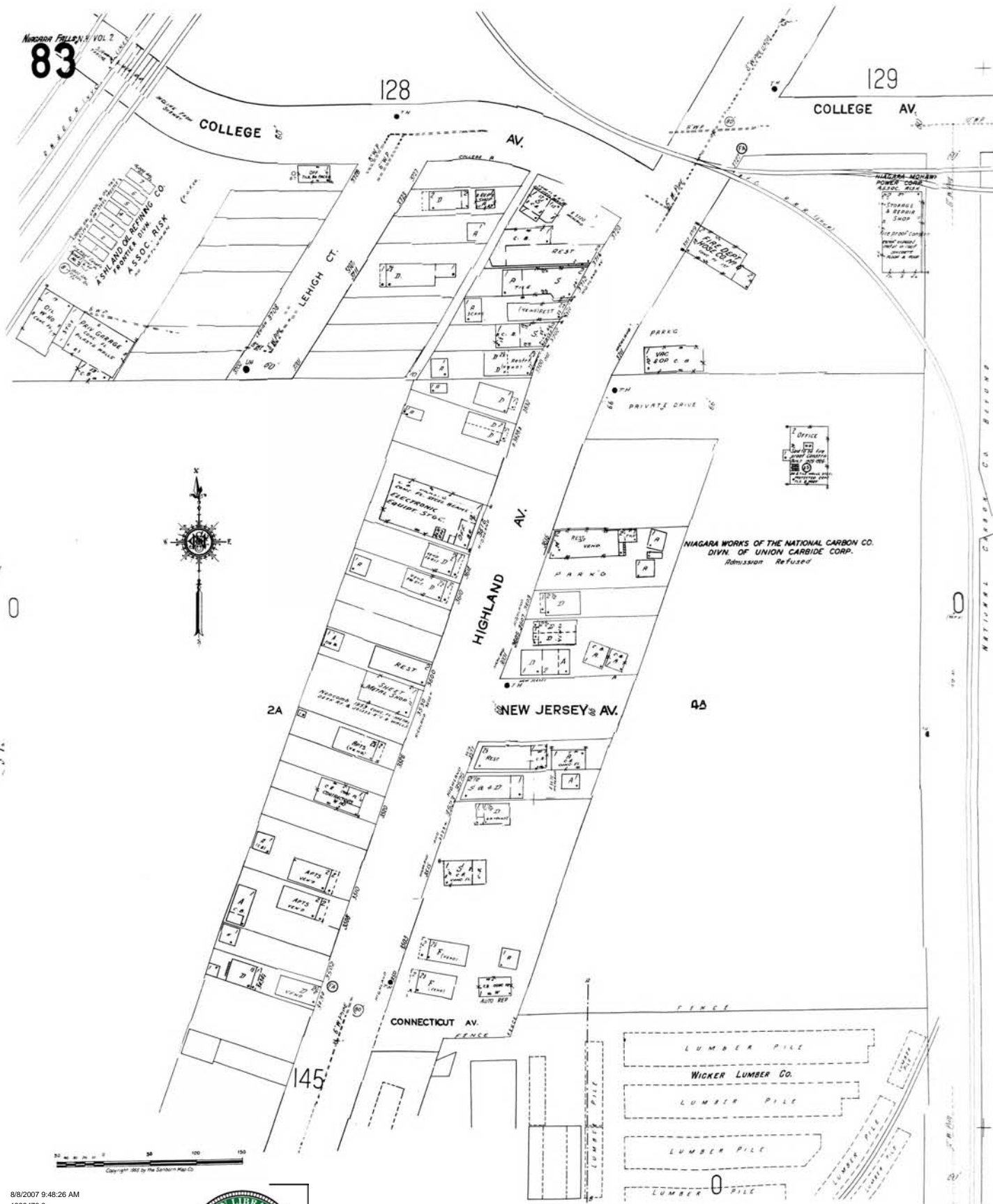
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 Address: 1501 College Avenue  
 City, ST, ZIP: Niagara Falls NY 14305  
 Certification # E6FE-4783-A5F3



Research Associate: HNS Copyright: 1985



Certification #

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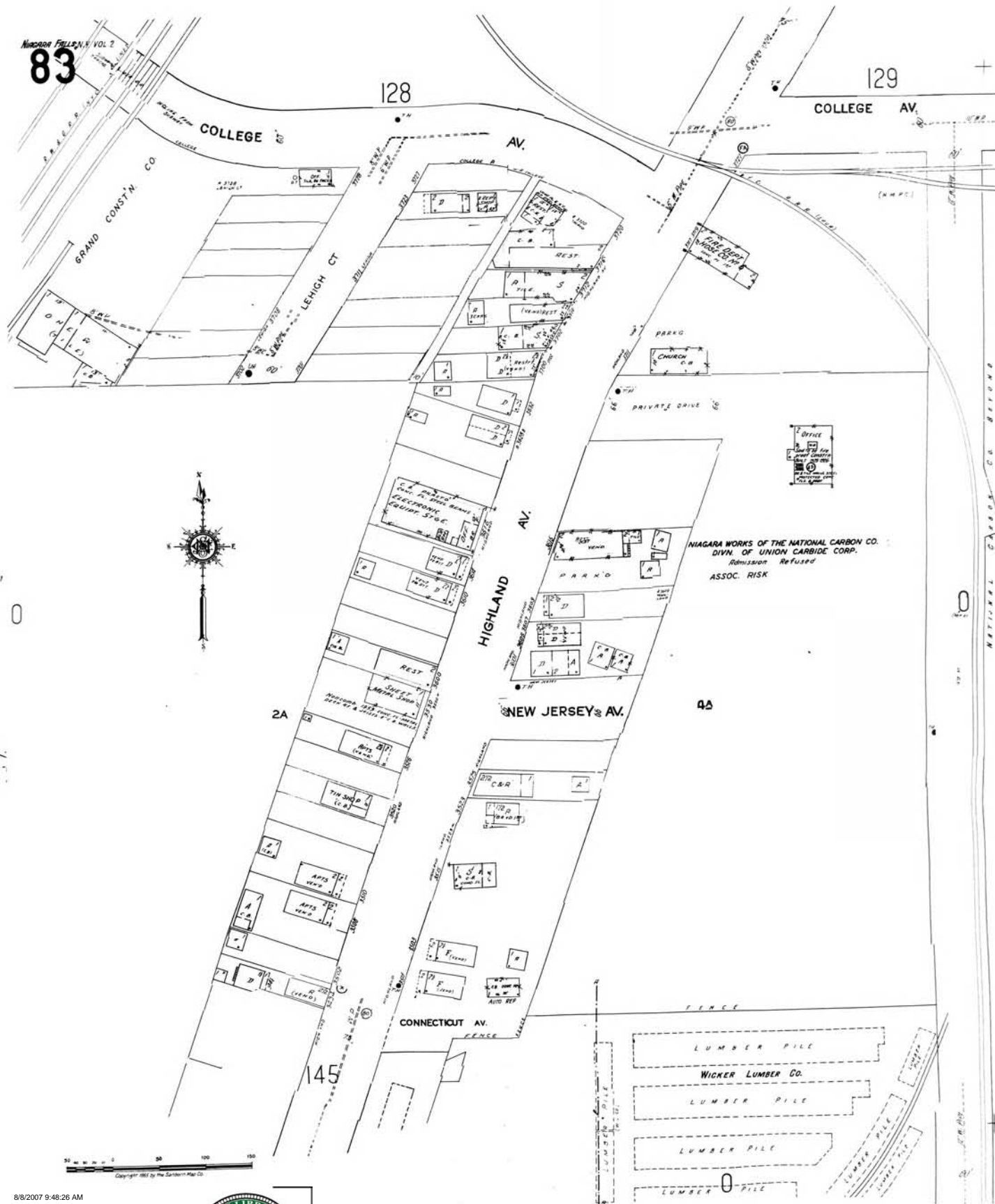
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 Client: Benchmark Environmental, PLLC  
 Site Name: 1501 College Avenue  
 Address: 1501 College Avenue  
 City, ST, ZIP: Niagara Falls NY 14305  
 Certification # E6FE-4783-A5F3



Research Associate: HNS Copyright: 1965



Certification #

E6FE-4783-A5F3

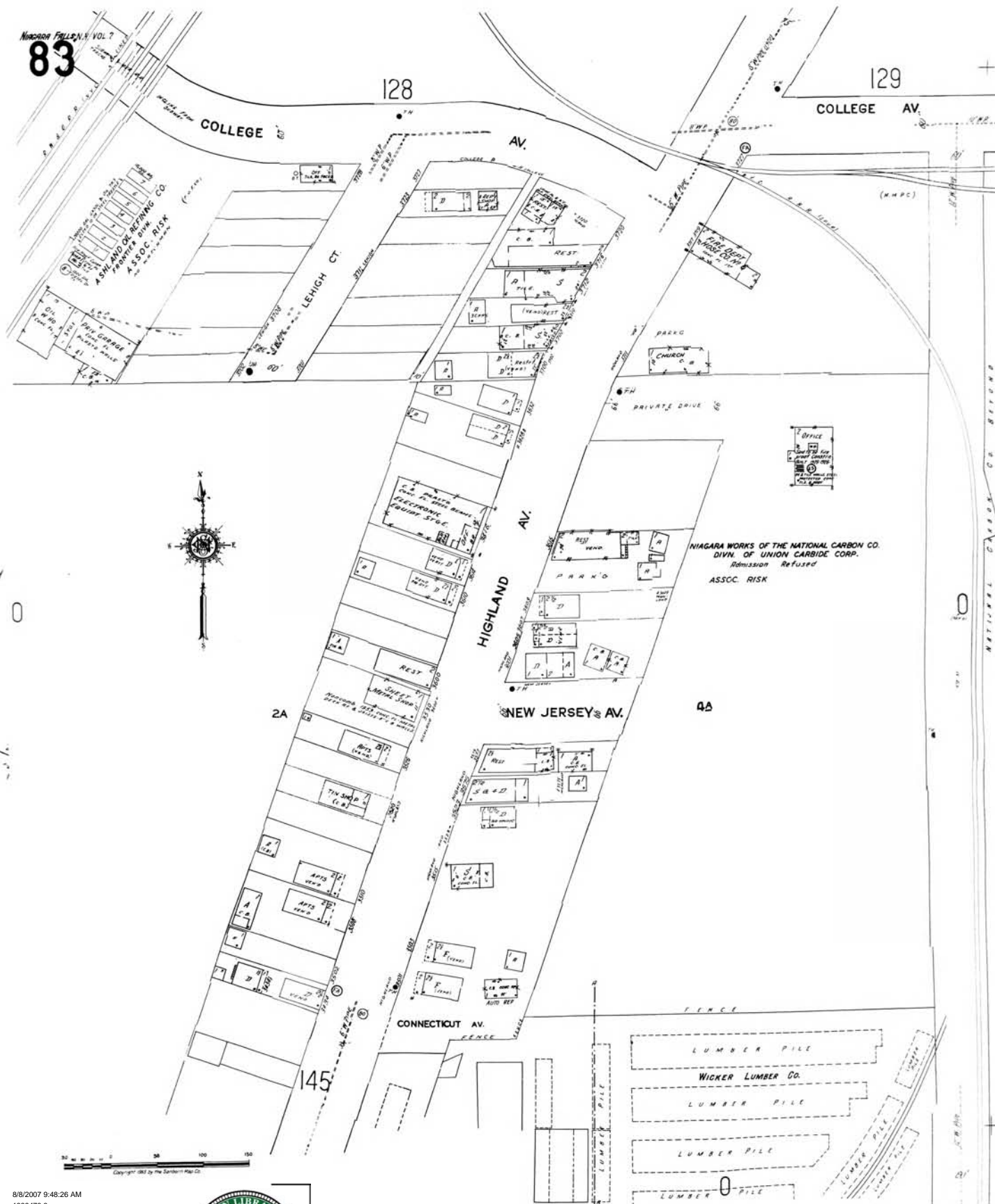
E6FE-4783-A5F3

Certification #

Date: 8/8/2007 9:48:26 AM  
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Certification #

E6FE-4783-A5F3

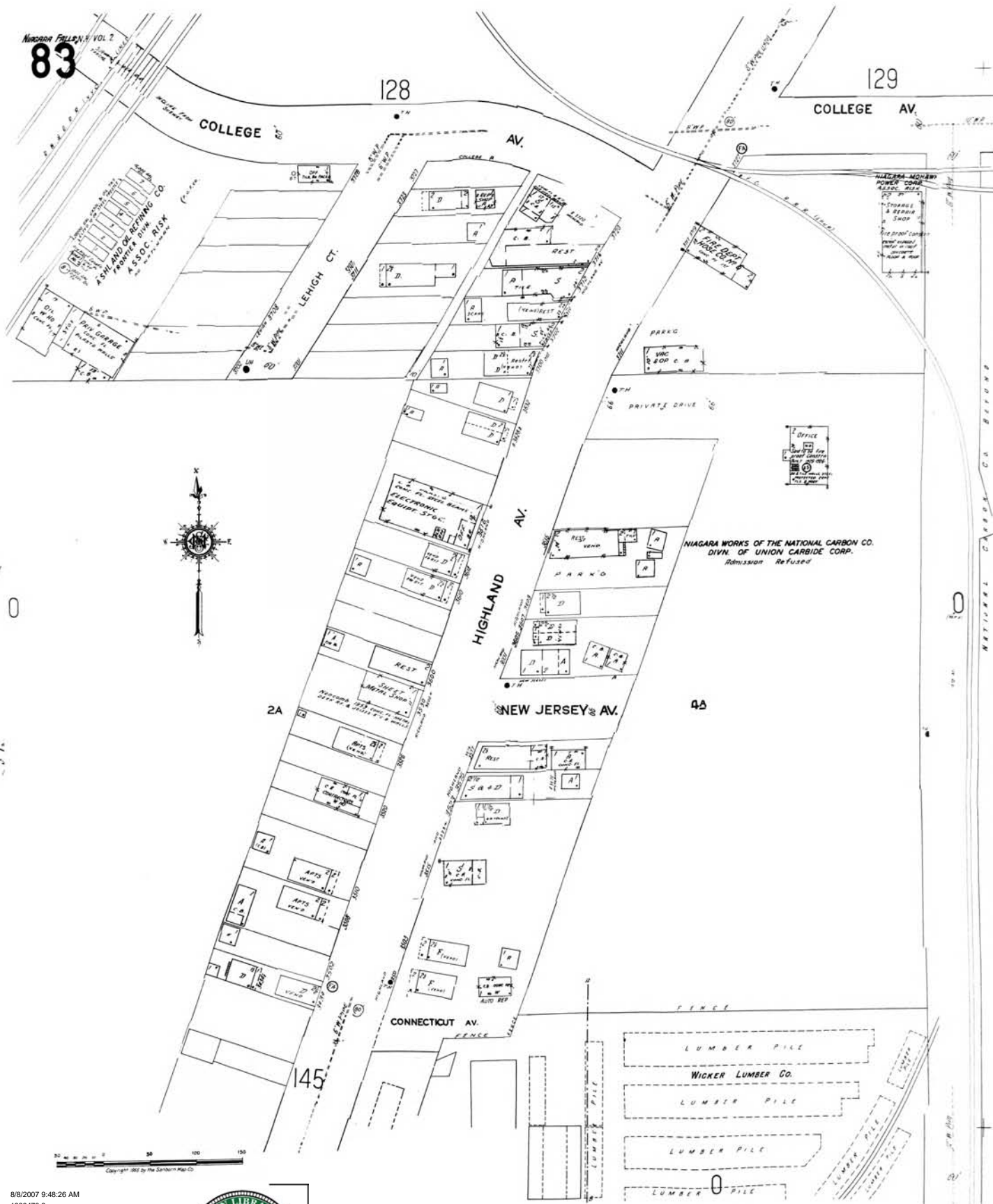
E6FE-4783-A5F3

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 City, ST, ZIP: Niagara Falls NY 14305  
 Certification # E6FE-4783-A5F3



Research Associate: HNS Copyright: 1965

# **APPENDIX D**

## HISTORICAL CITY DIRECTORIES

# Polk Directories

Site

Adjacent (College Ave)

1946	3625 Highland - National Carbon Co.	1500 - Christensen - Rydell - Mech. mfrs. 1600 - General Abrasives 1650 - American Tappet & Strip Co. 1700 - Niagara Steel Finishing Co. Iron + Steel
1955	Same	1500 - Same as 46 + Niagara Pattern Works 1690 - Forgiore Lbr. Co. 1700 - Same as 46 2000 - General Abrasives Nilok Chemicals Crouch Mining Co.
1964	No Return	1500 - Premax Products 1690 - Same as 55 2000 - <del>Bluma</del> General Abrasives
1975	3625 Highland - Union Carbide Carbon Product Division	2000 - General Abrasives Div. of U.S. Industries Co.
1985	3625 Highland - Union Carbide	2000 - General Abrasives
1995	<del>3625 Highland</del> No listing	2000 - General Abrasives

# **APPENDIX E**

## HISTORICAL TOPOGRAPHIC MAPS

# **EDR Historical Topographic Map Report**

**1501 College Avenue  
1501 College Avenue  
Niagara Falls, NY 14305**

**Inquiry Number: 1999478.4**

**August 08, 2007**



## **The Standard in Environmental Risk Information**

**440 Wheelers Farms Rd  
Milford, Connecticut 06461**

### **Nationwide Customer Service**

Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
Internet: [www.edrnet.com](http://www.edrnet.com)



# EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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

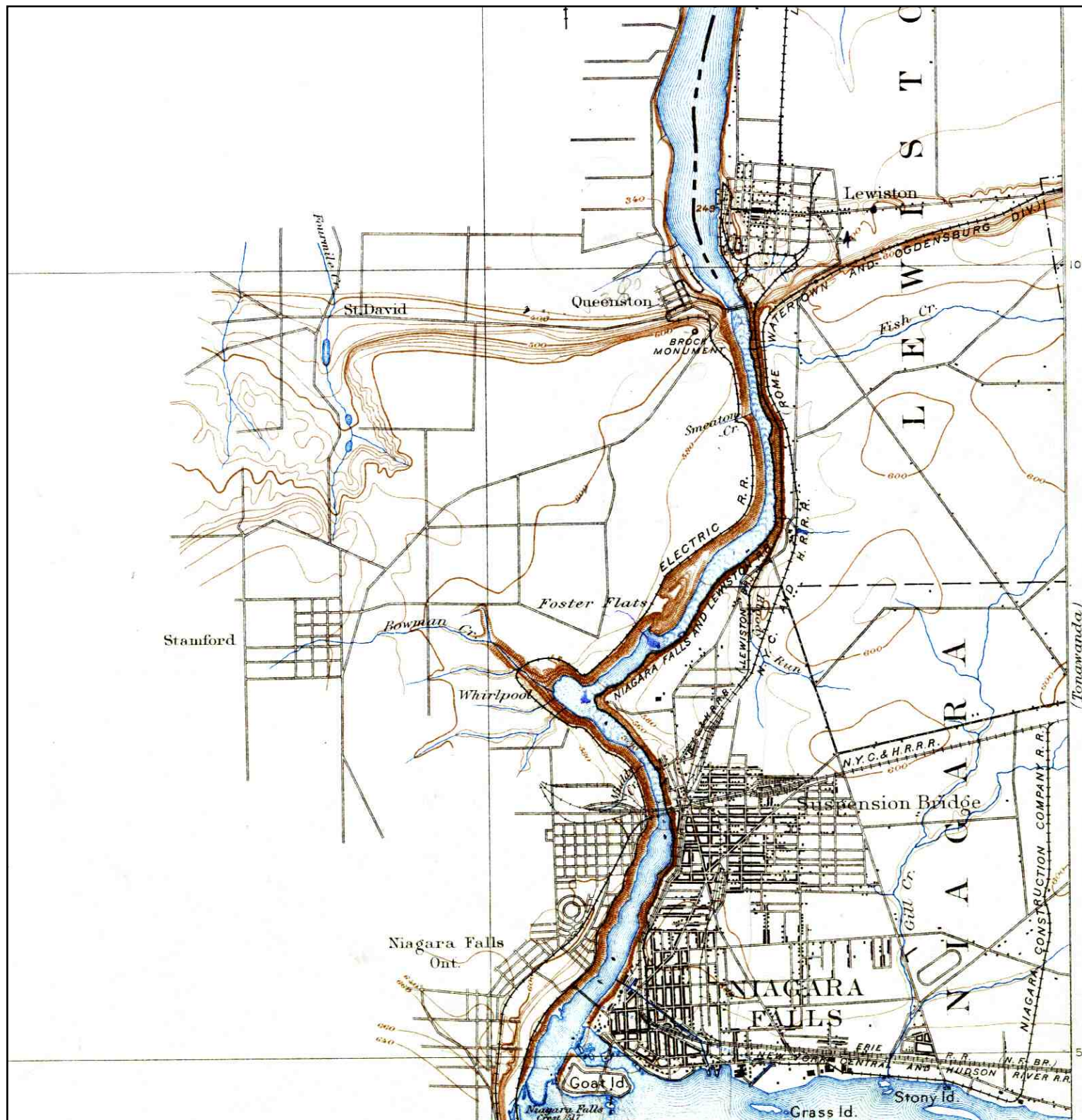
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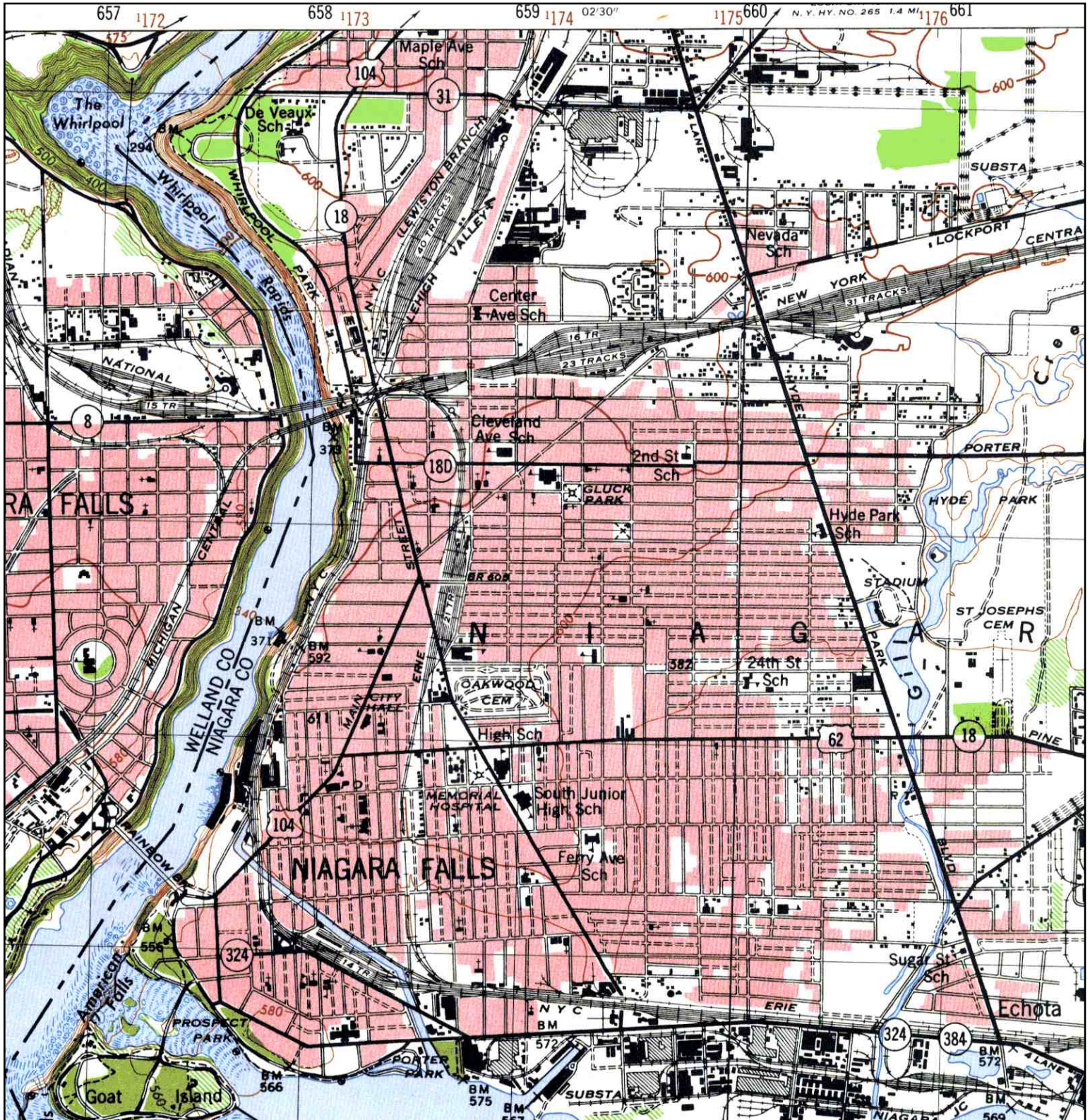
# Historical Topographic Map



<div data-bbox="66 1818 102 1923"> <div data-bbox="66 1818 87 1850">N</div> <div data-bbox="66 1850 102 1923">↑</div> </div>	<div data-bbox="126 1791 467 1976"> <div data-bbox="126 1791 467 1881"> <b>TARGET QUAD</b>  NAME: NIAGARA FALLS  MAP YEAR: 1901 </div> <div data-bbox="126 1919 365 1976"> SERIES: 15  SCALE: 1:62500 </div> </div>	<div data-bbox="532 1791 959 1913"> <div data-bbox="532 1791 959 1850"> <b>SITE NAME:</b> 1501 College Avenue  <b>ADDRESS:</b> 1501 College Avenue  Niagara Falls, NY 14305 </div> <div data-bbox="532 1885 888 1913"> <b>LAT/LONG:</b> 43.1219 / 79.0441 </div> </div>	<div data-bbox="1044 1791 1562 1944"> <div data-bbox="1044 1791 1562 1818"> <b>CLIENT:</b> Benchmark Environmental, PLLC </div> <div data-bbox="1044 1854 1370 1913"> <b>CONTACT:</b> Nathan Munley  <b>INQUIRY#:</b> 1999478.4 </div> <div data-bbox="1044 1919 1395 1944"> <b>RESEARCH DATE:</b> 08/08/2007 </div> </div>



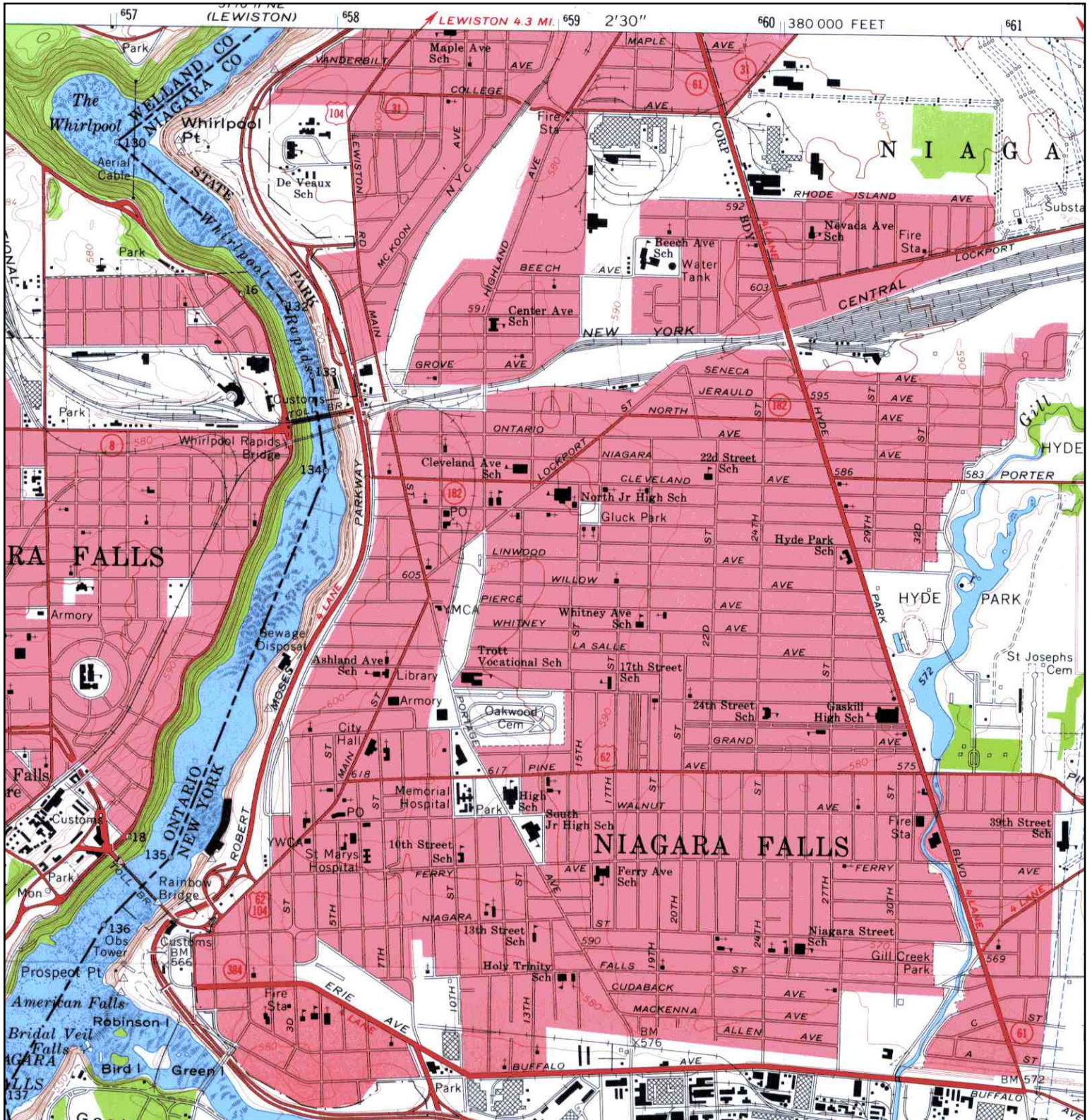
# Historical Topographic Map



<p>N ↑</p>	<p>TARGET QUAD NAME: NIAGARA FALLS MAP YEAR: 1944</p> <p>SERIES: 7.5 SCALE: 1:25000</p>	<p>SITE NAME: 1501 College Avenue ADDRESS: 1501 College Avenue Niagara Falls, NY 14305 LAT/LONG: 43.1219 / 79.0441</p>	<p>CLIENT: Benchmark Environmental, PLLC</p> <p>CONTACT: Nathan Munley INQUIRY#: 1999478.4 RESEARCH DATE: 08/08/2007</p>
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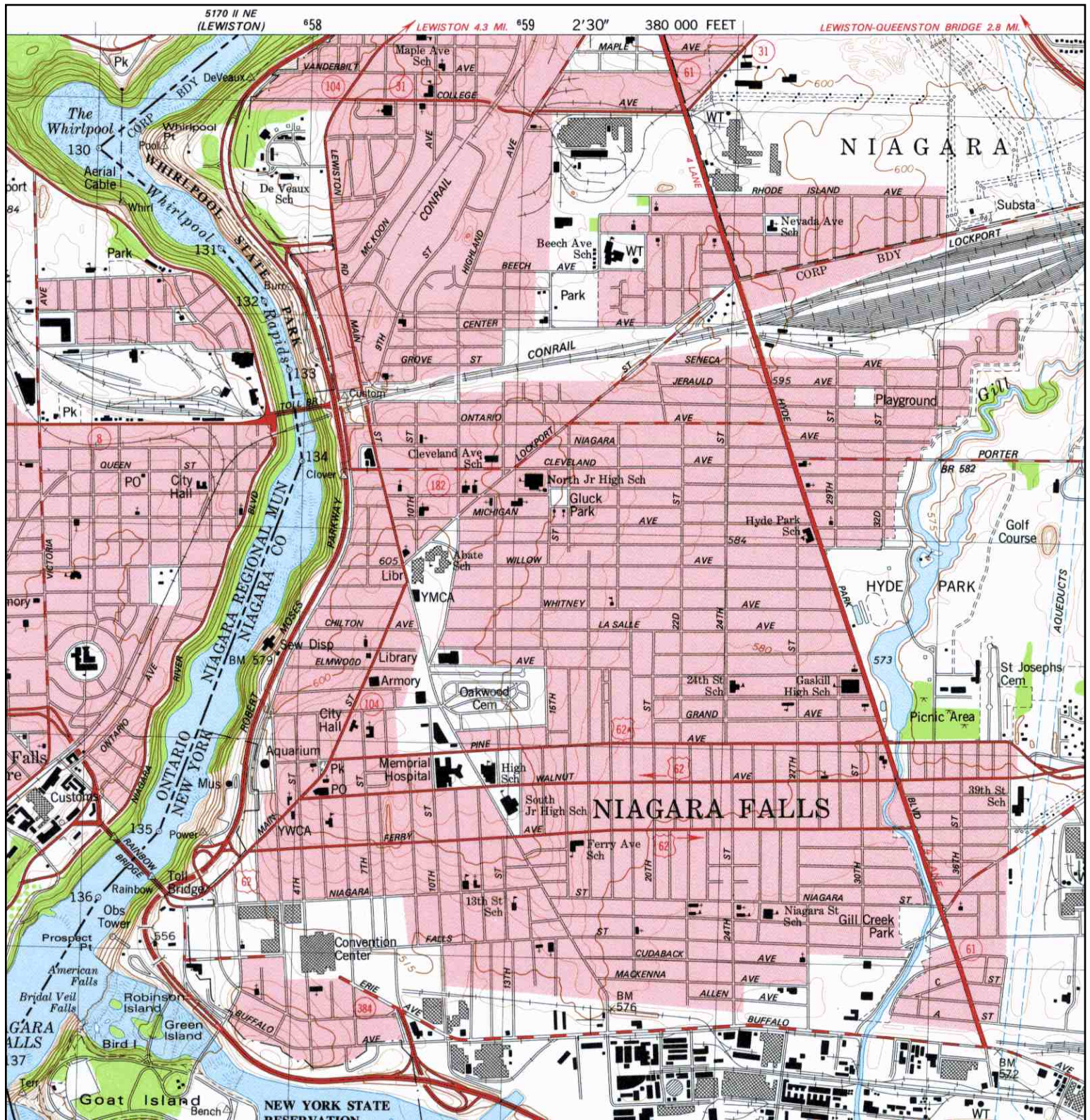
# Historical Topographic Map



<p>N ↑</p>	<p>TARGET QUAD NAME: NIAGARA FALLS MAP YEAR: 1965  SERIES: 7.5 SCALE: 1:24000</p>	<p>SITE NAME: 1501 College Avenue ADDRESS: 1501 College Avenue Niagara Falls, NY 14305 LAT/LONG: 43.1219 / 79.0441</p>	<p>CLIENT: Benchmark Environmental, PLLC  CONTACT: Nathan Munley INQUIRY#: 1999478.4 RESEARCH DATE: 08/08/2007</p>
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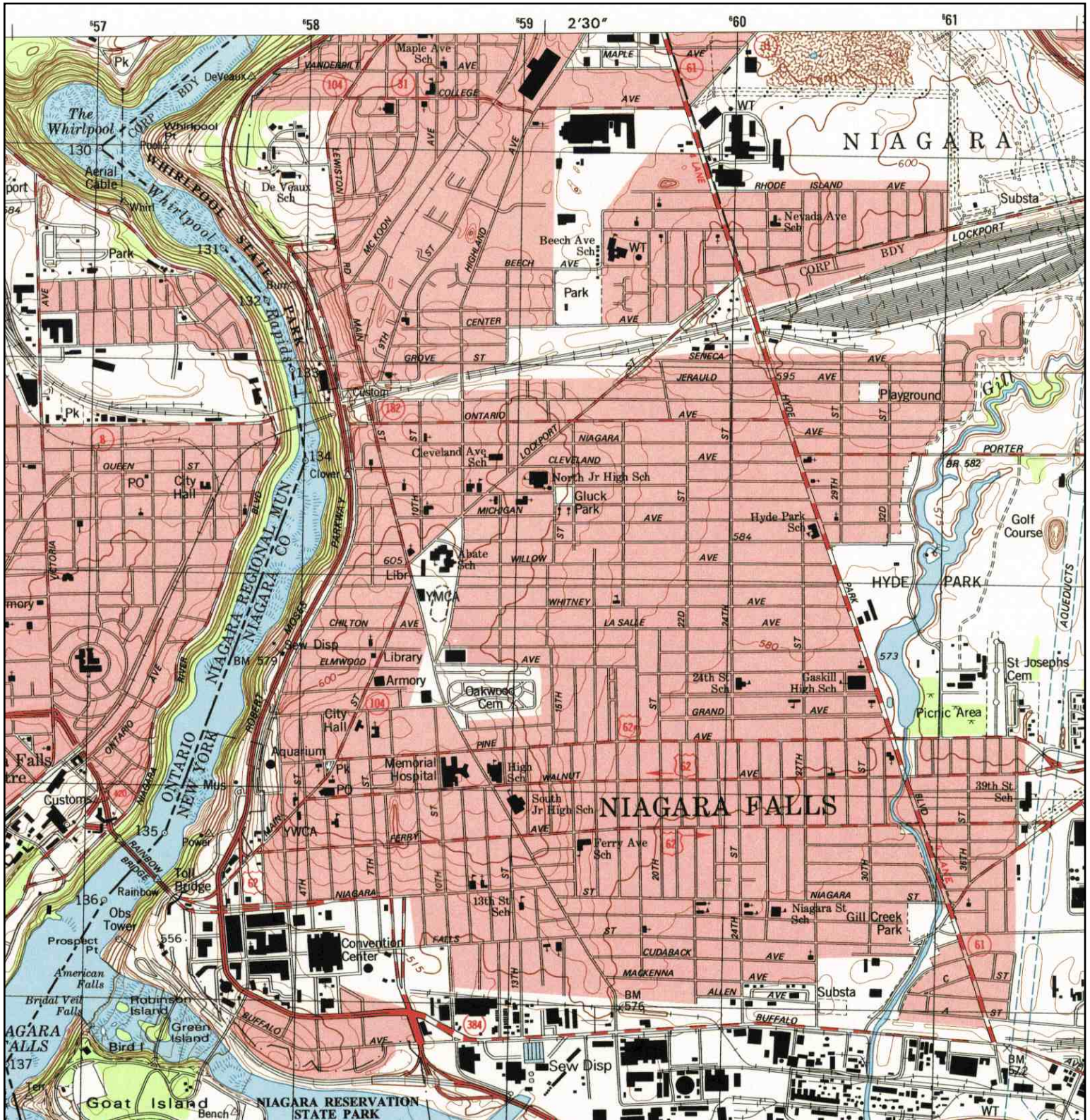
# Historical Topographic Map




<div data-bbox="73 1822 105 1921"> </div> <div data-bbox="129 1795 467 1984"> <p>TARGET QUAD NAME: NIAGARA FALLS MAP YEAR: 1980</p> <p>SERIES: 7.5 SCALE: 1:25000</p> </div>	<div data-bbox="535 1795 958 1921"> <p>SITE NAME: 1501 College Avenue ADDRESS: 1501 College Avenue Niagara Falls, NY 14305 LAT/LONG: 43.1219 / 79.0441</p> </div>	<div data-bbox="1047 1795 1567 1953"> <p>CLIENT: Benchmark Environmental, PLLC</p> <p>CONTACT: Nathan Munley INQUIRY#: 1999478.4 RESEARCH DATE: 08/08/2007</p> </div>
--	---	---



# Historical Topographic Map



	TARGET QUAD	SITE NAME:	1501 College Avenue	CLIENT:	Benchmark Environmental, PLLC
	NAME: NIAGARA FALLS	ADDRESS:	1501 College Avenue	CONTACT:	Nathan Munley
	MAP YEAR: 1995		Niagara Falls, NY 14305	INQUIRY#:	1999478.4
	SERIES: 7.5	LAT/LONG:	43.1219 / 79.0441	RESEARCH DATE:	08/08/2007
	SCALE: 1:25000				



# **APPENDIX F**

## **MUNICIPAL RECORDS**

SUBJECT  
291100 NIAGARA FALLS

COMMERICAL SITE INQUIRY  
130.18-2-3.211  
PARCEL PRCLS 710 MANUFACTURE

DATE : 08/10/2007  
ROLL SEC TAXABLE

NIAGARA VEST INC  
1501 COLLEGE AVE

TOTAL RES SITES 0 LAND \$205,800  
TOTAL COM SITES 1 TOTAL \$242,400

=====SALES=====COM SITE C01 =====BUILDINGS=====

=====SITE=====

PROPERTY CLASS MANUFACTUR GRADE AVERAGE  
USE LIGHT MFG CONDITION POOR  
VALUATION DISTRICT 02 DESIRABILITY NORMAL  
NEIGHBORHOOD 4 YEAR BUILT 1910

BLD-SEC-#IDEN 05-1- 06-1-  
MODEL 2-4 STY MF 1S WAREHOU  
FLOOR AREA 33,796 58,244  
BUILT 1914 1910  
QUALITY AVERAGE AVERAGE  
----- TOTAL BLDG ITEMS 24 -----

=====COMMERCIAL USE DATA=====

DIST	USER	TOT SQ FT	UNIT CODE	TOT UNITS	1BED	2BED	3BED
1	02 ROW STORAGE	186,614					
2	02 ROW STORAGE	93,709					

=====IMPROVEMENT DATA=====TOTAL USE ITEMS 3 =====LAND DATA=====

TYPE	SIZE1	SIZE2	QUAN	TYPE	FRNT DPTH	ACRES	SQR FT
				1 PRIME SITE		13.50	

===== TOTAL IMPROVEMENT ITEMS

===== TOTAL LAND ITEMS === 1 =====

F1=MORE ITEMS

F6=ASMNT INQUIRY F10=GO TO MENU

75.30- 03-050 F4=NEXT SITE ON FILE

F9=GO TO XREF F11=PREV ITEMS

August 16, 2007

City Clerk's Office  
City of Niagara Falls  
745 Main Street, Room 114  
Niagara Falls, NY 14301

Re: Freedom of Information Act (FOIL) Request  
1501 College Avenue (former Niagara Vest, Inc.) Site  
Niagara Falls, New York 14304

Dear Ms. Tina Pugh:

Our company is currently performing a Phase I Environmental Site Assessment (ESA) for the above referenced property. The property is the former Niagara Vest, Inc. Historically, this parcel was part of the larger Union Carbide Co. facility addressed at 3625 Highland Avenue.

We are requesting any and all information from the Fire Department regarding any complaints, investigations, or citations related to the subject property (at both addresses and former property users) that have been initiated or recorded. Any and all records related to fires, spills, clean-ups, and any underground- and aboveground storage tanks (USTs and ASTs).

Please inform us if any such files exist and how they may be reviewed. We appreciate your assistance in this matter.

Sincerely,  
Benchmark Environmental Engineering & Science, PLLC



Nathan T. Munley  
Environmental Scientist

# APPENDIX G

## EDR REPORT





## **The EDR Radius Map with GeoCheck®**

**1501 College Avenue  
1501 College Avenue  
Niagara Falls, NY 14305**

**Inquiry Number: 1999478.2s**

**August 08, 2007**

## **The Standard in Environmental Risk Information**

**440 Wheelers Farms Road  
Milford, Connecticut 06461**

### **Nationwide Customer Service**

**Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
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Detail Map .....	3
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***Thank you for your business.***  
Please contact EDR at 1-800-352-0050  
with any questions or comments.

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

1501 COLLEGE AVENUE  
NIAGARA FALLS, NY 14305

#### COORDINATES

Latitude (North): 43.121900 - 43° 7' 18.8"  
Longitude (West): 79.044100 - 79° 2' 38.8"  
Universal Transverse Mercator: Zone 17  
UTM X (Meters): 659113.2  
UTM Y (Meters): 4775993.5  
Elevation: 582 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 43079-B1 LEWISTON, NY  
Most Recent Revision: 1980  
  
South Map: 43079-A1 NIAGARA FALLS, NY  
Most Recent Revision: 1980

### TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 6 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
OLD UNION CARBIDE 1501 COLLEGE AVENUE NIAGARA FALLS, NY	NY Spills Date Closed: 04/23/96 NY Hist Spills	N/A
NIAGARA MOHAWK RIGHT OF WAY 1501 COLLEGE AVE (ADJACENT TO) NIAGARA FALLS, NY 14303	FTTS HIST FTTS	N/A
NIAGARA VEST INC 1501 COLLEGE AVE NIAGARA FALLS, NY 14303	FTTS HIST FTTS	N/A
NIAGARA MOHAWK - RIGHT OF WAY 1501 COLLEGE AVENUE NIAGARA FALLS, NY 14305	FINDS	110022323939
NIAGARA VEST, INC. - NATIONAL PLA 1501 COLLEGE AVENUE NIAGARA FALLS, NY 14305	FINDS	110022323476

## EXECUTIVE SUMMARY

### DATABASES WITH NO MAPPED SITES

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

### FEDERAL RECORDS

<b>Proposed NPL</b>	Proposed National Priority List Sites
<b>Delisted NPL</b>	National Priority List Deletions
<b>NPL LIENS</b>	Federal Superfund Liens
<b>RCRA-TSDF</b>	Resource Conservation and Recovery Act Information
<b>ERNS</b>	Emergency Response Notification System
<b>HMIRS</b>	Hazardous Materials Information Reporting System
<b>US ENG CONTROLS</b>	Engineering Controls Sites List
<b>US INST CONTROL</b>	Sites with Institutional Controls
<b>DOD</b>	Department of Defense Sites
<b>FUDS</b>	Formerly Used Defense Sites
<b>CONSENT</b>	Superfund (CERCLA) Consent Decrees
<b>UMTRA</b>	Uranium Mill Tailings Sites
<b>ODI</b>	Open Dump Inventory
<b>TRIS</b>	Toxic Chemical Release Inventory System
<b>TSCA</b>	Toxic Substances Control Act
<b>SSTS</b>	Section 7 Tracking Systems
<b>LIENS 2</b>	CERCLA Lien Information
<b>RADINFO</b>	Radiation Information Database
<b>US CDL</b>	Clandestine Drug Labs
<b>ICIS</b>	Integrated Compliance Information System
<b>LUCIS</b>	Land Use Control Information System
<b>DOT OPS</b>	Incident and Accident Data
<b>PADS</b>	PCB Activity Database System
<b>MLTS</b>	Material Licensing Tracking System
<b>MINES</b>	Mines Master Index File
<b>RAATS</b>	RCRA Administrative Action Tracking System

### STATE AND LOCAL RECORDS

<b>DEL SHWS</b>	Delisted Registry Sites
<b>SWRCY</b>	Registered Recycling Facility List
<b>SWTIRE</b>	Registered Waste Tire Storage & Facility List
<b>CBS UST</b>	Chemical Bulk Storage Database
<b>MOSF UST</b>	Major Oil Storage Facilities Database
<b>CBS AST</b>	Chemical Bulk Storage Database
<b>HIST AST</b>	Historical Petroleum Bulk Storage Database
<b>MOSF AST</b>	Major Oil Storage Facilities Database
<b>ENG CONTROLS</b>	Registry of Engineering Controls
<b>INST CONTROL</b>	Registry of Institutional Controls
<b>VCP</b>	Voluntary Cleanup Agreements
<b>DRYCLEANERS</b>	Registered Drycleaners
<b>BROWNFIELDS</b>	Brownfields Site List
<b>SPDES</b>	State Pollutant Discharge Elimination System

## EXECUTIVE SUMMARY

<b>AIRS</b> .....	Air Emissions Data
<b>CBS</b> .....	Chemical Bulk Storage Site Listing
<b>E DESIGNATION</b> .....	E DESIGNATION SITE LISTING
<b>RES DECL</b> .....	Restrictive Declarations Listing
<b>MOSF</b> .....	Major Oil Storage Facility Site Listing

### TRIBAL RECORDS

<b>INDIAN RESERV</b> .....	Indian Reservations
<b>INDIAN LUST</b> .....	Leaking Underground Storage Tanks on Indian Land
<b>INDIAN UST</b> .....	Underground Storage Tanks on Indian Land

### EDR PROPRIETARY RECORDS

**Manufactured Gas Plants**... EDR Proprietary Manufactured Gas Plants

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

### FEDERAL RECORDS

**NPL:** Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 04/20/2007 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b><i>OCCIDENTAL CHEMICAL CORP</i></b>	<b><i>4700 HYDE PARK BLVD</i></b>	<b><i>1/2 - 1 NNE 0</i></b>		<b><i>10</i></b>

**CERCLIS:** The Comprehensive Environmental Response, Compensation and Liability Information System contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 02/27/2007 has revealed that there is 1



## EXECUTIVE SUMMARY

CERCLIS site within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
HAZSORB SITE	1731 COLLEGE AVENUE	0 - 1/8 E	E28	122

**CERCLIS-NFRAP:** Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 03/21/2007 has revealed that there are 3 CERC-NFRAP sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
US VANADIUM	3801 HIGHLAND AVE	0 - 1/8 W	A15	83
<b>CHISHOLM RYDER</b>	<b>COLLEGE AT HIGHLAND</b>	<b>1/8 - 1/4 W</b>	<b>34</b>	<b>150</b>
<b>UNION CARBIDE CORP</b>	<b>3501 HYDE PARK</b>	<b>1/4 - 1/2 ESE</b>	<b>50</b>	<b>192</b>

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

A review of the CORRACTS list, as provided by EDR, and dated 03/14/2007 has revealed that there are 2 CORRACTS sites within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>OCCIDENTAL CHEMICAL CORP</b>	<b>4700 HYDE PARK BLVD</b>	<b>1/2 - 1 NNE</b>	<b>0</b>	<b>10</b>
<b>UCAR CARBON CO INC</b>	<b>3625 HIGHLAND AVE</b>	<b>0 - 1/8 SW</b>	<b>D30</b>	<b>123</b>

**RCRAInfo:** RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act ( RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-LQG list, as provided by EDR, and dated 06/13/2006 has revealed that there is 1 RCRA-LQG site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>HAZSORB SITE-USEPA</b>	<b>1731 COLLEGE AVE</b>	<b>0 - 1/8 E</b>	<b>E27</b>	<b>107</b>

## EXECUTIVE SUMMARY

**RCRAInfo:** RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act ( RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System(RCRIS). The database includes selective information on sites which generate, transport, store , treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month Large quantity generators generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

A review of the RCRA-SQG list, as provided by EDR, and dated 06/13/2006 has revealed that there are 8 RCRA-SQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>GLOBE METALLURGICAL INC</b>	<b>3807 HIGHLAND AVE</b>	<b>0 - 1/8 WNW A7</b>		<b>41</b>
<b>S K W NEWCO INC</b>	<b>COLLEGE AVE</b>	<b>0 - 1/8 W A12</b>		<b>68</b>
<b>NIAGARA FALLS CITY OF</b>	<b>COLLEGE AVE &amp; HIGHLAND</b>	<b>0 - 1/8 WSW B18</b>		<b>84</b>
<b>DRAIN DOCTOR THE</b>	<b>1401 COLLEGE AVE</b>	<b>0 - 1/8 W C22</b>		<b>99</b>
<b>UNITY PARK-PARKLAND CO NYS URB</b>	<b>COLLEGE ST HIGHLAND AVE</b>	<b>0 - 1/8 WSW 24</b>		<b>102</b>
<b>UCAR CARBON CO INC</b>	<b>3625 HIGHLAND AVE</b>	<b>0 - 1/8 SW D30</b>		<b>123</b>
<b>CHISHOLM RYDER</b>	<b>COLLEGE AT HIGHLAND</b>	<b>1/8 - 1/4 W 34</b>		<b>150</b>
<b>LAUR &amp; MACK CONTRACTING CO INC</b>	<b>1400 COLLEGE AVE</b>	<b>1/8 - 1/4 W F37</b>		<b>169</b>

**US BROWNFIELDS:** The EPA's listing of Brownfields properties addressed by Cooperative Agreement Recipients and Brownfields properties addressed by Targeted Brownfields Assessments

A review of the US BROWNFIELDS list, as provided by EDR, and dated 04/04/2007 has revealed that there are 8 US BROWNFIELDS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
UNION CARBIDE	3625 HIGHLAND AVENUE	0 - 1/8 SW	D32	145
HAZORB PROPERTY	1731-1903 COLLEGE	1/8 - 1/4 E	35	166
MARYLAND/MAPLE	4119 HIGHLAND AVENUE	1/8 - 1/4 NNE	39	177
HIGHLAND AVENUE	3416-3502 HIGHLAND AVEN	1/8 - 1/4 SSW	40	178
POWER CITY WAREHOUSE	3123 HIGHLAND AVENUE	1/4 - 1/2 SSW	42	180
CERRONE #1	1524 PENNSYLVANIA AVENU	1/4 - 1/2 NNE	45	189
MARYLAND/JAMES	4318 HYDE PARK BLVD.	1/4 - 1/2 NE	46	189
CERRONE #2	3622 HYDE PARK BLVD	1/4 - 1/2 ESE	G47	190

**RODS:** Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 03/27/2007 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>OCCIDENTAL CHEMICAL CORP</b>	<b>4700 HYDE PARK BLVD</b>	<b>1/2 - 1 NNE 0</b>		<b>10</b>

## EXECUTIVE SUMMARY

### STATE AND LOCAL RECORDS

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

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

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
CHRISHOLM-RYDER	3800 HIGHLAND AVE.	0 - 1/8 W	A14	81

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

A review of the SHWS list, as provided by EDR, and dated 05/01/2007 has revealed that there is 1 SHWS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
TAM CERAMICS, INC. Class Code: Does not present a significant threat to the public health or the environment - action may be deferred.	4511 HYDE PARK BOULEVAR	1/2 - 1 NNE	52	202

**SWF/LF:** The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data come from the list.

A review of the SWF/LF list, as provided by EDR, and dated 05/01/2007 has revealed that there are 3 SWF/LF sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
SKW ALLOYS SLF	3801 HIGHLAND AVE	0 - 1/8 W	A17	84
<b>DRAIN DOCTOR THE</b>	<b>1401 COLLEGE AVE</b>	<b>0 - 1/8 W</b>	<b>C22</b>	<b>99</b>
AIRPORT AUTO WRECKING	4401 HYDE PARK BOULEVAR	1/4 - 1/2 NE	49	192

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

A review of the LTANKS list, as provided by EDR, and dated 04/02/2007 has revealed that there are 11 LTANKS sites within approximately 0.5 miles of the target property.

## EXECUTIVE SUMMARY

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>GLOBE ENVIRONMENTAL</b> Date Closed: 01/31/96	<b>3807 HIGHLAND AVENUE</b>	<b>0 - 1/8 WNW A6</b>		<b>39</b>
<b>CHISM-RIDER</b> Date Closed: 07/07/89	<b>3800 HIGHLAND AVENUE</b>	<b>0 - 1/8 W A10</b>		<b>63</b>
<b>CITY OF NIAGARA FALLS</b> Date Closed: 10/01/92	<b>COLLEGE / HIGHLAND</b>	<b>0 - 1/8 WSW B20</b>		<b>95</b>
<b>OIL TANK AT WAREHOUSE</b> Date Closed: 06/04/99	<b>3616 HIGHLAND AVENUE</b>	<b>1/8 - 1/4 SW 33</b>		<b>146</b>
<b>LAUR &amp; MACK CONTRACTORS</b> Date Closed: 11/06/89	<b>1400 COLLEGE AVENUE</b>	<b>1/8 - 1/4 W F36</b>		<b>166</b>
<b>LAUR AND MAC</b> Date Closed: 11/23/94	<b>1400 COLLEGE AVENUE</b>	<b>1/8 - 1/4 W F38</b>		<b>174</b>
<b>FAILED UST TANK TEST</b> Date Closed: 01/03/05	<b>1018 COLLEGE AVENUE</b>	<b>1/4 - 1/2 W 41</b>		<b>178</b>
<b>SCRUFARI CONSTR.BUILDING</b> Date Closed: 08/20/01	<b>3925 HYDE PARK BOULEVAR</b>	<b>1/4 - 1/2 E 43</b>		<b>181</b>
<b>NICHOLS RESIDENCE</b> Date Closed: 06/07/94	<b>4340 CRESCENT DRIVE</b>	<b>1/4 - 1/2 N 44</b>		<b>186</b>
<b>RAINBOW CAR WASH</b> Date Closed: 05/04/06	<b>3602 HYDE PARK BLVD.</b>	<b>1/4 - 1/2 ESE G48</b>		<b>190</b>
<b>H J KALFAS SCHOOL</b> Date Closed: / /	<b>BEECH AVE / 17TH ST</b>	<b>1/4 - 1/2 SSE 51</b>		<b>200</b>

**HIST LTANKS:** A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database.

A review of the HIST LTANKS list, as provided by EDR, and dated 01/01/2002 has revealed that there are 8 HIST LTANKS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>GLOBE ENVIRONMENTAL</b>	<b>3807 HIGHLAND AVENUE</b>	<b>0 - 1/8 WNW A6</b>		<b>39</b>
<b>CHISM-RIDER</b>	<b>3800 HIGHLAND AVENUE</b>	<b>0 - 1/8 W A10</b>		<b>63</b>
<b>CITY OF NIAGARA FALLS</b>	<b>COLLEGE / HIGHLAND</b>	<b>0 - 1/8 WSW B20</b>		<b>95</b>
<b>OIL TANK AT WAREHOUSE</b>	<b>3616 HIGHLAND AVENUE</b>	<b>1/8 - 1/4 SW 33</b>		<b>146</b>
<b>LAUR &amp; MACK CONTRACTORS</b>	<b>1400 COLLEGE AVENUE</b>	<b>1/8 - 1/4 W F36</b>		<b>166</b>
<b>LAUR AND MAC</b>	<b>1400 COLLEGE AVENUE</b>	<b>1/8 - 1/4 W F38</b>		<b>174</b>
<b>SCRUFARI CONSTR.BUILDING</b>	<b>3925 HYDE PARK BOULEVAR</b>	<b>1/4 - 1/2 E 43</b>		<b>181</b>
<b>NICHOLS RESIDENCE</b>	<b>4340 CRESCENT DRIVE</b>	<b>1/4 - 1/2 N 44</b>		<b>186</b>

## EXECUTIVE SUMMARY

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

A review of the UST list, as provided by EDR, and dated 04/02/2007 has revealed that there are 3 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
GLOBE METALLURGICAL INC.	3807 HIGHLAND AVE	0 - 1/8 WNW A9		59
<b>3800 HIGHLAND, INC.</b>	<b>COLLEGE &amp; HIGHLAND AVE.</b>	<b>0 - 1/8 WSW B19</b>		<b>87</b>
<b>LAUR &amp; MACK CONTRACTING CO INC</b>	<b>1400 COLLEGE AVE</b>	<b>1/8 - 1/4 W F37</b>		<b>169</b>

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

A review of the HIST UST list, as provided by EDR, and dated 01/01/2002 has revealed that there are 3 HIST UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
GLOBE METALLURGICAL INC.	3807 HIGHLAND AVE	0 - 1/8 WNW A8		51
<b>3800 HIGHLAND, INC.</b>	<b>COLLEGE &amp; HIGHLAND AVE.</b>	<b>0 - 1/8 WSW B19</b>		<b>87</b>
<b>LAUR &amp; MACK CONTRACTING CO INC</b>	<b>1400 COLLEGE AVE</b>	<b>1/8 - 1/4 W F37</b>		<b>169</b>

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

A review of the AST list, as provided by EDR, and dated 04/02/2007 has revealed that there are 2 AST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
GLOBE METALLURGICAL INC.	3807 HIGHLAND AVE	0 - 1/8 WNW A8		51
<b>3800 HIGHLAND, INC.</b>	<b>COLLEGE &amp; HIGHLAND AVE.</b>	<b>0 - 1/8 WSW B19</b>		<b>87</b>

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

A review of the NY MANIFEST list, as provided by EDR, and dated 10/26/2006 has revealed that there are 10 NY MANIFEST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>S K W NEWCO INC</b>	<b>COLLEGE AVE</b>	<b>0 - 1/8 W</b>	<b>A12</b>	<b>68</b>
SKW ALLOYS INC.	3801 HIGHLAND AVENUE	0 - 1/8 W	A13	81
SKW ALLOYS, INC.	3801 HIGHLAND AVENUE	0 - 1/8 W	A16	84
<b>NIAGARA FALLS CITY OF</b>	<b>COLLEGE AVE &amp; HIGHLAND</b>	<b>0 - 1/8 WSW B18</b>		<b>84</b>
J A BRUNDAGE/DRAIN DOCTOR	1401 COLLEGE AVE	0 - 1/8 W	C23	102
<b>HAZSORB SITE-USEPA</b>	<b>1731 COLLEGE AVE</b>	<b>0 - 1/8 E</b>	<b>E27</b>	<b>107</b>
UNION CARBIDE CORP	3625 HIGHLAND AVE	0 - 1/8 SW	D29	122
<b>UCAR CARBON CO INC</b>	<b>3625 HIGHLAND AVE</b>	<b>0 - 1/8 SW</b>	<b>D30</b>	<b>123</b>
<b>CHISHOLM RYDER</b>	<b>COLLEGE AT HIGHLAND</b>	<b>1/8 - 1/4 W</b>	<b>34</b>	<b>150</b>
<b>LAUR &amp; MACK CONTRACTING CO INC</b>	<b>1400 COLLEGE AVE</b>	<b>1/8 - 1/4 W</b>	<b>F37</b>	<b>169</b>



## EXECUTIVE SUMMARY

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

A review of the NY Spills list, as provided by EDR, and dated 04/02/2007 has revealed that there are 6 NY Spills sites within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>ROADWAY/OCCIDENTAL</b> Date Closed: 08/27/99	<b>3800 HIGHLAND AVENUE</b>	<b>0 - 1/8 W</b>	<b>A11</b>	<b>65</b>
<b>GLOBE METALLURGICAL</b> Date Closed: 06/27/02	<b>COLLEGE AV / HIGHLAND</b>	<b>0 - 1/8 WSW</b>	<b>B21</b>	<b>98</b>
<b>DRAIN DOCTOR THE</b> Date Closed: 07/20/98	<b>1401 COLLEGE AVE</b>	<b>0 - 1/8 W</b>	<b>C22</b>	<b>99</b>
<b>UNION CARBIDE</b> Date Closed: 05/27/87	<b>3645 HIGHLAND AVENUE</b>	<b>0 - 1/8 SW</b>	<b>D25</b>	<b>103</b>
<b>HAZORB</b> Date Closed: 04/12/04	<b>1731 COLLEGE AVENUE</b>	<b>0 - 1/8 E</b>	<b>E26</b>	<b>105</b>
<b>TRUCK AT UCAR CARBON COMP</b> Date Closed: 05/01/00	<b>3625 HIGHLAND AVENUE</b>	<b>0 - 1/8 SW</b>	<b>D31</b>	<b>143</b>

**HIST SPILLS:** This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database.

A review of the NY Hist Spills list, as provided by EDR, and dated 01/01/2002 has revealed that there are 4 NY Hist Spills sites within approximately 0.125 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<b>ROADWAY/OCCIDENTAL</b>	<b>3800 HIGHLAND AVENUE</b>	<b>0 - 1/8 W</b>	<b>A11</b>	<b>65</b>
<b>DRAIN DOCTOR THE</b>	<b>1401 COLLEGE AVE</b>	<b>0 - 1/8 W</b>	<b>C22</b>	<b>99</b>
<b>UNION CARBIDE</b>	<b>3645 HIGHLAND AVENUE</b>	<b>0 - 1/8 SW</b>	<b>D25</b>	<b>103</b>
<b>TRUCK AT UCAR CARBON COMP</b>	<b>3625 HIGHLAND AVENUE</b>	<b>0 - 1/8 SW</b>	<b>D31</b>	<b>143</b>

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
CARBORUNDUM COMPANY, GLOBAR VANADIUM CORPORATION OF AMERICA NYS DOT BIN 1064999 - LASALLE EXPWY	SHWS, INST CONTROL SHWS, INST CONTROL RCRA-SQG, FINDS, NY MANIFEST NY MANIFEST
DCB SERVICES WITMER ROAD SITE NIAGARA CO. REFUSE DISP.-WHEATFIELD AIRCO CARBON LANDFILL LEWISTOWN LF (T) D&J AUTO DUNN AUTO GENERAL ABRASIVE TREIBACHER INC NYS DOT BIN 1068142 BUFFALO AVENUE BUFFALO AVENUE AND 47TH STREET BUFFALO AVENUE AND 26TH STREET UNI-MART STORE #5010 47TH NEAR RT 62 SATARIAN AUTO PARTS BUTLER TRUCKING CO. NIAGARA VEST, INC. UNKNOWN VEHICLE ON I190	SHWS SHWS SWF/LF SWF/LF SWF/LF SWF/LF UST RCRA-SQG, FINDS ERNS ERNS ERNS NY Spills, NY Hist Spills NY Spills, NY Hist Spills NY Spills, NY Hist Spills NY Spills, NY Hist Spills NY Spills, NY Hist Spills NY Spills, NY Hist Spills

# OVERVIEW MAP - 1999478.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- 🏠 National Priority List Sites
- 🏠 Dept. Defense Sites

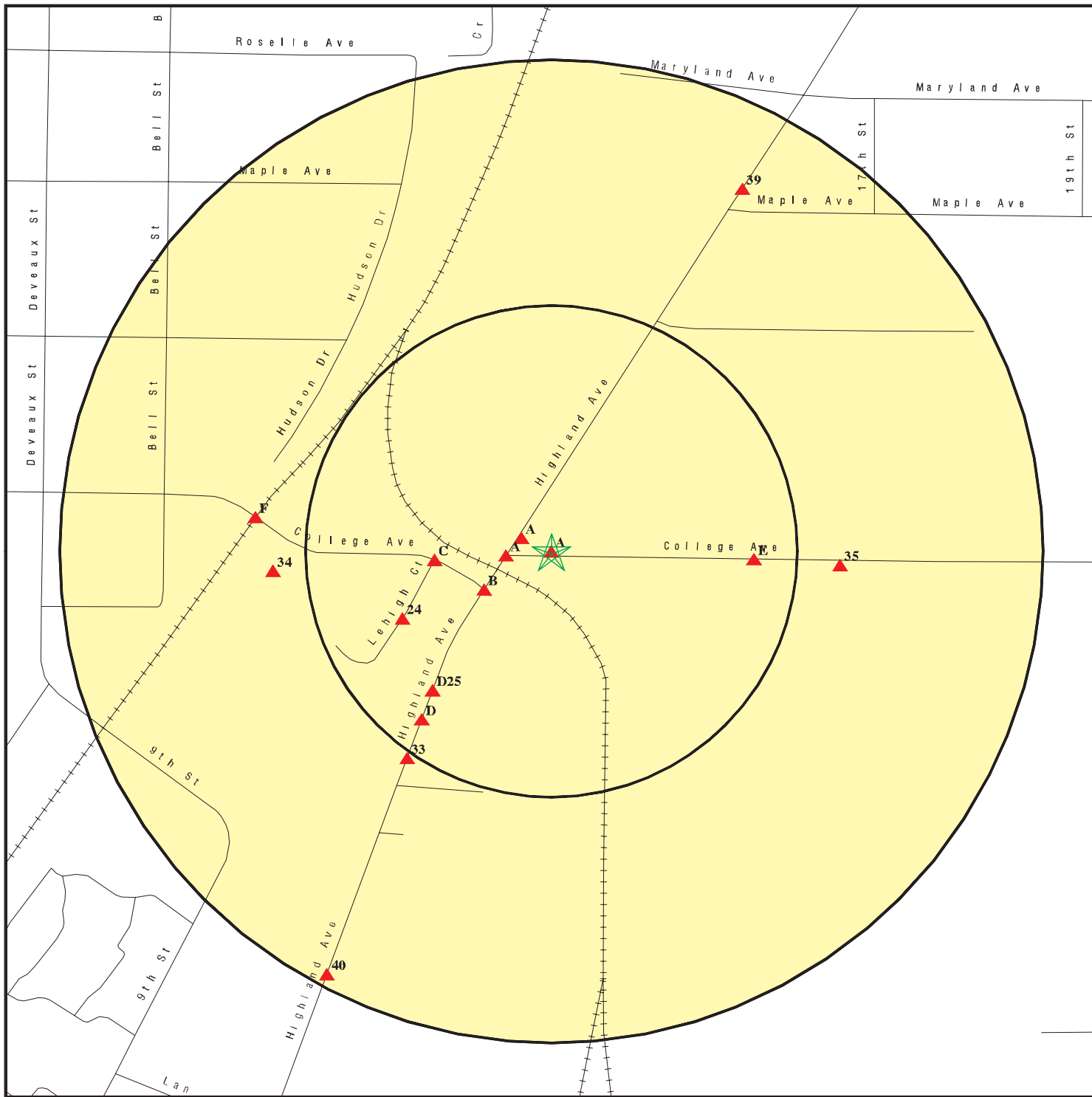
- 🏠 Indian Reservations BIA
- 🏠 County Boundary
- 🏠 Oil & Gas pipelines
- 🏠 100-year flood zone
- 🏠 500-year flood zone
- 🏠 National Wetland Inventory
- 🏠 State Wetlands

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

SITE NAME: 1501 College Avenue  
 ADDRESS: 1501 College Avenue  
 Niagara Falls NY 14305  
 LAT/LONG: 43.1219 / 79.0441

CLIENT: Benchmark Environmental, PLLC  
 CONTACT: Nathan Munley  
 INQUIRY #: 1999478.2s  
 DATE: August 08, 2007 7:38 am

# DETAIL MAP - 1999478.2s



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚙ Manufactured Gas Plants
- ⚠ Sensitive Receptors
- 🚒 National Priority List Sites
- 🛡 Dept. Defense Sites

- 🏠 Indian Reservations BIA
- 🛢 Oil & Gas pipelines
- 🌊 100-year flood zone
- 🌊 500-year flood zone

0 1/16 1/8 1/4 Miles



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

SITE NAME: 1501 College Avenue  
 ADDRESS: 1501 College Avenue  
 Niagara Falls NY 14305  
 LAT/LONG: 43.1219 / 79.0441

CLIENT: Benchmark Environmental, PLLC  
 CONTACT: Nathan Munley  
 INQUIRY #: 1999478.2s  
 DATE: August 08, 2007 7:38 am

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
<b><u>FEDERAL RECORDS</u></b>								
NPL		1.000	0	0	0	1	NR	1
Proposed NPL		1.000	0	0	0	0	NR	0
Delisted NPL		1.000	0	0	0	0	NR	0
NPL LIENS		TP	NR	NR	NR	NR	NR	0
CERCLIS		0.500	1	0	0	NR	NR	1
CERC-NFRAP		0.500	1	1	1	NR	NR	3
CORRACTS		1.000	1	0	0	1	NR	2
RCRA TSD		0.500	0	0	0	NR	NR	0
RCRA Lg. Quan. Gen.		0.250	1	0	NR	NR	NR	1
RCRA Sm. Quan. Gen.		0.250	6	2	NR	NR	NR	8
ERNS		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
US ENG CONTROLS		0.500	0	0	0	NR	NR	0
US INST CONTROL		0.500	0	0	0	NR	NR	0
DOD		1.000	0	0	0	0	NR	0
FUDS		1.000	0	0	0	0	NR	0
US BROWNFIELDS		0.500	1	3	4	NR	NR	8
CONSENT		1.000	0	0	0	0	NR	0
ROD		1.000	0	0	0	1	NR	1
UMTRA		0.500	0	0	0	NR	NR	0
ODI		0.500	0	0	0	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
FTTS	X	TP	NR	NR	NR	NR	NR	0
SSTS		TP	NR	NR	NR	NR	NR	0
LIENS 2		TP	NR	NR	NR	NR	NR	0
RADINFO		TP	NR	NR	NR	NR	NR	0
CDL		TP	NR	NR	NR	NR	NR	0
HIST FTTS	X	TP	NR	NR	NR	NR	NR	0
ICIS		TP	NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
DOT OPS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
MINES		0.250	0	0	NR	NR	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
<b><u>STATE AND LOCAL RECORDS</u></b>								
HSWDS		0.500	1	0	0	NR	NR	1
State Haz. Waste		1.000	0	0	0	1	NR	1
DEL SHWS		1.000	0	0	0	0	NR	0
State Landfill		0.500	2	0	1	NR	NR	3
SWRCY		0.500	0	0	0	NR	NR	0
SWTIRE		0.500	0	0	0	NR	NR	0
LTANKS		0.500	3	3	5	NR	NR	11
HIST LTANKS		0.500	3	3	2	NR	NR	8



## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST		0.250	2	1	NR	NR	NR	3
CBS UST		0.250	0	0	NR	NR	NR	0
MOSF UST		0.500	0	0	0	NR	NR	0
HIST UST		0.250	2	1	NR	NR	NR	3
AST		0.250	2	0	NR	NR	NR	2
CBS AST		0.250	0	0	NR	NR	NR	0
HIST AST		TP	NR	NR	NR	NR	NR	0
MOSF AST		0.500	0	0	0	NR	NR	0
MANIFEST		0.250	8	2	NR	NR	NR	10
NY Spills	X	0.125	6	NR	NR	NR	NR	6
NY Hist Spills	X	0.125	4	NR	NR	NR	NR	4
ENG CONTROLS		0.500	0	0	0	NR	NR	0
INST CONTROL		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
BROWNFIELDS		0.500	0	0	0	NR	NR	0
SPDES		TP	NR	NR	NR	NR	NR	0
AIRS		TP	NR	NR	NR	NR	NR	0
CBS		0.250	0	0	NR	NR	NR	0
E DESIGNATION		TP	NR	NR	NR	NR	NR	0
RES DECL		0.180	0	0	NR	NR	NR	0
MOSF		0.500	0	0	0	NR	NR	0
<b><u>TRIBAL RECORDS</u></b>								
INDIAN RESERV		1.000	0	0	0	0	NR	0
INDIAN LUST		0.500	0	0	0	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
<b><u>EDR PROPRIETARY RECORDS</u></b>								
Manufactured Gas Plants		1.000	0	0	0	0	NR	0

### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**A1**  
**Target**  
**Property**

**OLD UNION CARBIDE**  
**1501 COLLEGE AVENUE**  
**NIAGARA FALLS, NY**

**NY Spills**  
**NY Hist Spills**

**S103569272**  
**N/A**

EDR ID Number  
EPA ID Number

**Actual:**  
**582 ft.**

**Site 1 of 17 in cluster A**

NY Spills:

Site ID: 267995  
Facility Addr2: Not reported  
Facility ID: 9600351  
Spill Number: 9600351  
Facility Type: ER  
SWIS: 3211  
Region of Spill: 9  
Investigator: SACALAND  
Referred To: Not reported  
Spill Date: 03/01/96  
Reported to Dept: 04/08/96  
CID: 312  
Spill Cause: Other  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: DEC  
Cleanup Ceased: / /  
Cleanup Meets Std: True  
Last Inspection: 04/03/96  
Recommended Penalty: Penalty Not Recommended  
UST Trust: False  
Spill Class: No spill occurred. No DEC Response. No corrective action required.  
Spill Closed Dt: 04/23/96  
Remediation Phase: 0  
Date Entered In Computer: 04/08/96  
Spill Record Last Update: 05/06/96  
Spiller Name: Not reported  
Spiller Company: NONE  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Spiller Phone: Not reported  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Region: 9  
Program Number: 9600351  
DER Facility ID: 218319  
Site ID: 267995  
Operable Unit ID: 1028033  
Operable Unit: 01  
Material ID: 353749  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0.00  
Units: Gallons  
Recovered: 0.00  
Resource Affected: Soil  
Oxygenate: False  
DEC Memo: Start DECRemark - 9600351 Prior to Sept, 2004 data translation this spill Lead  
DEC Field was "SAC" 4/3/96:SAC,NANCY OVERFIELD/DSW AND JIM

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)    EDR ID Number  
EPA ID Number

**OLD UNION CARBIDE (Continued)**

**S103569272**

Remarks: GROEBE/BECI,INSPECTED SITE,FOUND REMOVED UST THAT STILL CONTAINED PRODUCT,TWO TANKER TRAILERS OUTSIDE AND AST INSIDE BUILDING MAY NEED SECONDARY CONTAINMENT,WILL REFER TO PBS. 4/10/96:SENT MEMO TO JES,REFERRING MATTER TO HIM. 4/23/96:RECEIVED COPY OF NANCY OVERFIELD MEMO TO JIM GROEBE. END  
DECRemark - 9600351  
Start CallerRemark - 9600351 dumping of solid waste, oil and tanks END  
CallerRemark - 9600351

NY Hist Spills:

Region of Spill: 9  
Spill Number: 9600351  
Investigator: SAC  
Caller Name: Not reported  
Caller Agency: Not reported  
Caller Phone: Not reported  
Notifier Name: Not reported  
Notifier Agency: Not reported  
Notifier Phone: Not reported  
Spill Date/Time: 03/01/1996 12:00  
Reported to Dept Date/Time: 04/08/96 15:53  
SWIS: 29  
Spiller Name: NONE  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Address: Not reported  
Spiller City,St,Zip: Not reported  
Spill Cause: Other  
Reported to Dept: On Land  
Water Affected: Not reported  
Spill Source: 01  
Spill Notifier: DEC  
PBS Number: Not reported  
Cleanup Ceased: / /  
Cleanup Meets Std: True  
Last Inspection: 04/03/96  
Recommended Penalty: Penalty Not Recommended  
Spiller Cleanup Dt: / /  
Enforcement Date: / /  
Invstgn Complete: / /  
UST Involvement: False  
Spill Class: No spill occured. No DEC Response. No corrective action required.  
Spill Closed Dt: 04/23/96  
Corrective Action Plan Submitted: / /  
Date Region Sent Summary to Central Office: / /  
Date Spill Entered In Computer Data File: 04/08/96  
Date Spill Entered In Computer Data File: Not reported  
Update Date: 05/06/96  
Is Updated: False  
PBS Number: Not reported  
Tank Number: Not reported  
Tank Size: Not reported  
Test Method: Not reported  
Leak Rate Failed Tank: Not reported  
Gross Leak Rate: Not reported  
Material Class Type: Petroleum  
Quantity Spilled: 0  
Unkonwn Quantity Spilled: False

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

OLD UNION CARBIDE (Continued)

EDR ID Number  
EPA ID Number

Database(s)

S103569272

Units: Gallons  
Quantity Recovered: 0  
Unkonwn Quantity Recovered: False  
Material: UNKNOWN PETROLEUM  
Class Type: UNKNOWN PETROLEUM  
Times Material Entry In File: 16414  
CAS Number: Not reported  
Last Date: 19940929  
DEC Remarks: 4/3/96:SAC,NANCY OVERFIELD/DSW AND JIM GROEBE/BECI,INSPECTED SITE,FOUND REMOVED  
UST THAT STILL CONTAINED PRODUCT,TWO TANKER TRAILERS OUTSIDE AND AST INSIDE  
BUILDING MAY NEED SECONDARY CONTAINMENT,WILL REFER TO PBS. 4/10/96:SENT MEMO  
TO JES,REFERRING MATTER TO HIM. 4/23/96:RECEIVED COPY OF NANCY OVERFIELD  
MEMO TO JIM GROEBE.  
Remark: dumping of solid waste, oil and tanks

A2  
Target  
Property  
NIAGARA MOHAWK RIGHT OF WAY  
1501 COLLEGE AVE (ADJACENT TO)  
NIAGARA FALLS, NY 14303

FTTS  
HIST FTTS  
1009309502  
N/A

Site 2 of 17 in cluster A

Actual:  
582 ft.

FTTS INSP:  
Inspection Number: 2004120823539 2  
Region: 02  
Inspection Date: 12/08/2004  
Inspector: D. MCCHESENEY, KM  
Violation occurred: Yes  
Investigation Type: Section 6 PCB Federal Conducted  
Investigation Reason: For Cause, Associated  
Legislation Code: TSCA  
Facility Function: User

HIST FTTS INSP:  
Inspection Number: 2004120823539 2  
Region: 02  
Inspection Date: Not reported  
Inspector: D. MCCHESENEY, KM  
Violation occurred: Yes  
Investigation Type: Section 6 PCB Federal Conducted  
Investigation Reason: For Cause, Associated  
Legislation Code: TSCA  
Facility Function: User

A3  
Target  
Property  
NIAGARA VEST INC  
1501 COLLEGE AVE  
NIAGARA FALLS, NY 14303

FTTS  
HIST FTTS  
1009309503  
N/A

Site 3 of 17 in cluster A

Actual:  
582 ft.

FTTS INSP:  
Inspection Number: 2004120823539 1  
Region: 02  
Inspection Date: 12/08/2004  
Inspector: D. MCCHESENEY, AF



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**NIAGARA VEST INC (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1009309503**

Violation occurred: Yes  
Investigation Type: Section 6 PCB Federal Conducted  
Investigation Reason: For Cause, Associated  
Legislation Code: TSCA  
Facility Function: User

**HIST FTTS INSP:**

Inspection Number: 2004120823539 1  
Region: 02  
Inspection Date: Not reported  
Inspector: D. MCCHESENEY, AF  
Violation occurred: Yes  
Investigation Type: Section 6 PCB Federal Conducted  
Investigation Reason: For Cause, Associated  
Legislation Code: TSCA  
Facility Function: User

**A4  
Target  
Property**

**NIAGARA MOHAWK - RIGHT OF WAY  
1501 COLLEGE AVENUE  
NIAGARA FALLS, NY 14305**

**FINDS 1008337755  
110022323939**

**Site 4 of 17 in cluster A**

**Actual:  
582 ft.**

**FINDS:**

Other Pertinent Environmental Activity Identified at Site

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and its Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**A5**  
**Target**  
**Property**  
**NIAGARA VEST, INC. - NATIONAL PLANT**  
**1501 COLLEGE AVENUE**  
**NIAGARA FALLS, NY 14305**

**FINDS**  
**1008337660**  
**110022323476**

**Actual:**  
**582 ft.**

**Site 5 of 17 in cluster A**

**FINDS:**

Other Pertinent Environmental Activity Identified at Site

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and its Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

**NPL**  
**Region**  
**NNE**  
**1/2-1**  
**3411 ft.**  
**OCCIDENTAL CHEMICAL CORP**  
**4700 HYDE PARK BLVD**  
**NIAGARA FALLS, NY 14305**

**PADS**  
**CERCLIS**  
**FINDS**  
**NPL**  
**RCRA-LQG**  
**CORRACTS**  
**ROD**  
**NY Spills**  
**NY MANIFEST**  
**US ENG CONTROLS**  
**NY Hist Spills**  
**1000247995**  
**NYD000831644**

**CERCLIS:**

Site ID: 0201306  
Federal Facility: Not a Federal Facility  
NPL Status: Currently on the Final NPL  
Non NPL Status: Not reported

**CERCLIS Site Contact Name(s):**

Contact Name: GLORIA SOSA  
Contact Tel: (212) 637-4283  
Contact Title: Remedial Project Manager (RPM)

**CERCLIS Site Alias Name(s):**

Alias Name: HYDE PARK LANDFILL  
Alias Address: 4825 HYDE PARK BLVD  
NIAGARA FALLS, NY 14304  
Alias Name: HOOKER (HYDE PARK)  
Alias Address: 4825 HYDE PARK BLVD  
NIAGARA FALLS, NY 14305  
Alias Name: HOOKER (HYDE PARK)  
Alias Address: HYDE PARK BLVD

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**OCCIDENTAL CHEMICAL CORP (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1000247995**

NIAGARA FALLS, NY 14304

Site Description: OVER 800000 TONS OF CHEM WASTES INCL DIOXIN AT THIS 15-ACRE SITE. HEAVY GRNDWTR & SURF WTR CONTAMN FR LEACHATE MIGRATION. DIOXIN DETECTED IN SEDIMENTS OF BLOODY RUN CREEK.

CERCLIS Assessment History:

Action: DISCOVERY  
Date Started: Not reported  
Date Completed: 03/01/1979  
Priority Level: Not reported

Action: NATIONAL PRIORITIES LIST RESPONSIBLE PARTY SEARCH  
Date Started: 09/30/1979  
Date Completed: 09/30/1979  
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT  
Date Started: Not reported  
Date Completed: 12/01/1979  
Priority Level: Low

Action: REMEDIAL INVESTIGATION/FEASIBILITY STUDY NEGOTIATIONS  
Date Started: 09/30/1979  
Date Completed: 01/19/1981  
Priority Level: Not reported

Action: CONSENT AGREEMENT (ADMINISTRATIVE)  
Date Started: Not reported  
Date Completed: 01/19/1981  
Priority Level: Not reported

Action: CONSENT DECREE  
Date Started: Not reported  
Date Completed: 04/30/1982  
Priority Level: Not reported

Action: SECTION 106 LITIGATION  
Date Started: 09/30/1979  
Date Completed: 04/30/1982  
Priority Level: Not reported

Action: SITE INSPECTION  
Date Started: 04/01/1979  
Date Completed: 08/01/1982  
Priority Level: High

Action: HAZARD RANKING SYSTEM PACKAGE  
Date Started: Not reported  
Date Completed: 12/01/1982  
Priority Level: Not reported

Action: PROPOSAL TO NATIONAL PRIORITIES LIST  
Date Started: Not reported  
Date Completed: 12/30/1982  
Priority Level: Not reported

Action: REMEDIAL ACTION MASTER PLAN  
Date Started: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**OCCIDENTAL CHEMICAL CORP (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1000247995**

Date Completed:	08/10/1983
Priority Level:	Not reported
Action:	FINAL LISTING ON NATIONAL PRIORITIES LIST
Date Started:	Not reported
Date Completed:	09/08/1983
Priority Level:	Not reported
Action:	REMEDIAL DESIGN/REMEDIAL ACTION NEGOTIATIONS
Date Started:	Not reported
Date Completed:	11/15/1984
Priority Level:	Not reported
Action:	POTENTIALLY RESPONSIBLE PARTY REMEDIAL INVESTIGATION/FEASIBILITY STUDY
Date Started:	01/19/1981
Date Completed:	11/26/1985
Priority Level:	Not reported
Action:	RECORD OF DECISION
Date Started:	Not reported
Date Completed:	11/26/1985
Priority Level:	Final Remedy Selected at Site
Action:	POTENTIALLY RESPONSIBLE PARTY REMEDIAL DESIGN
Date Started:	08/15/1986
Date Completed:	08/15/1986
Priority Level:	Not reported
Action:	REMOVAL ASSESSMENT
Date Started:	05/30/1990
Date Completed:	09/14/1990
Priority Level:	Stabilized
Action:	REMOVAL ASSESSMENT
Date Started:	10/31/1991
Date Completed:	06/22/1992
Priority Level:	Stabilized
Action:	FIVE-YEAR REVIEW
Date Started:	Not reported
Date Completed:	09/29/1994
Priority Level:	Not reported
Action:	FIVE YEAR REVIEW REPORT DUE
Date Started:	Not reported
Date Completed:	09/29/1994
Priority Level:	Not reported
Action:	FIVE-YEAR REVIEW
Date Started:	Not reported
Date Completed:	09/28/2001
Priority Level:	Not reported
Action:	FIVE YEAR REVIEW REPORT DUE
Date Started:	Not reported
Date Completed:	09/28/2001

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**OCCIDENTAL CHEMICAL CORP (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1000247995**

Priority Level:	Not reported
Action:	PRELIMINARY CLOSE-OUT REPORT PREPARED
Date Started:	Not reported
Date Completed:	07/18/2003
Priority Level:	Not reported
Action:	POTENTIALLY RESPONSIBLE PARTY REMEDIAL ACTION
Date Started:	08/15/1987
Date Completed:	09/29/2004
Priority Level:	Final RA Report
Action:	OPERATIONS AND MAINTENANCE
Date Started:	09/29/2004
Date Completed:	Not reported
Priority Level:	Not reported
Action:	FIVE-YEAR REVIEW
Date Started:	Not reported
Date Completed:	09/27/2006
Priority Level:	Not reported
Action:	FIVE YEAR REVIEW REPORT DUE
Date Started:	Not reported
Date Completed:	09/27/2006
Priority Level:	Not reported
Action:	FIVE YEAR REVIEW REPORT DUE
Date Started:	Not reported
Date Completed:	Not reported
Priority Level:	Not reported

**FINDS:**

Other Pertinent Environmental Activity Identified at Site

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and its Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites,



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**OCCIDENTAL CHEMICAL CORP (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1000247995**

including an inventory of sites, planned and actual site activities,  
and financial information.

**NPL:**

EPA ID: NYD000831644  
EPA Region: 02  
Federal: General  
Final Date: 09/08/1983

**Category Details:**

NPL Status: Currently on the Final NPL  
Category Description: Depth To Aquifer-<= 10 Feet  
Category Value: 0

NPL Status: Currently on the Final NPL  
Category Description: Distance To Nearest Population-> 0 And <= 1/4 Mile  
Category Value: 600

**Site Details:**

Site Name: HOOKER (HYDE PARK)  
Site Status: Final  
Status Date: 09/08/83  
Site City: NIAGARA FALLS  
Site State: NY  
Federal Site: Not a Federal Facility  
HRS Score: 34.77  
GW Score: 6.12  
SW Score: 10.91  
Air Score: 58.85  
Soil Score: Not reported  
DC Score: Not reported  
FE Score: Not reported

**Substance Details:**

NPL Status: Currently on the Final NPL  
Substance ID: Not reported  
Substance: Not reported  
CAS #: Not reported  
Pathway: Not reported  
Scoring: Not reported

NPL Status: Currently on the Final NPL  
Substance ID: A050  
Substance: DIOXIN  
CAS #: 1746-01-6  
Pathway: AIR PATHWAY  
Scoring: 4

NPL Status: Currently on the Final NPL  
Substance ID: A050  
Substance: DIOXIN  
CAS #: 1746-01-6

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**OCCIDENTAL CHEMICAL CORP (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1000247995**

Pathway: SURFACE WATER PATHWAY  
Scoring: 4

NPL Status: Currently on the Final NPL  
Substance ID: C345  
Substance: TRI CRESYL PHOSPHATE (TCP)  
CAS #: 1330-78-5  
Pathway: NO PATHWAY INDICATED  
Scoring: 1

NPL Status: Currently on the Final NPL  
Substance ID: U019  
Substance: BENZENE  
CAS #: 71-43-2  
Pathway: GROUND WATER PATHWAY  
Scoring: 2

NPL Status: Currently on the Final NPL  
Substance ID: U036  
Substance: CHLORDANE  
CAS #: 57-74-9  
Pathway: AIR PATHWAY  
Scoring: 2

NPL Status: Currently on the Final NPL  
Substance ID: U129  
Substance: LINDANE  
CAS #: 58-89-9  
Pathway: AIR PATHWAY  
Scoring: 2

NPL Status: Currently on the Final NPL  
Substance ID: U129  
Substance: LINDANE  
CAS #: 58-89-9  
Pathway: GROUND WATER PATHWAY  
Scoring: 4

NPL Status: Currently on the Final NPL  
Substance ID: U129  
Substance: LINDANE  
CAS #: 58-89-9  
Pathway: SURFACE WATER PATHWAY  
Scoring: 2

NPL Status: Currently on the Final NPL  
Substance ID: U130  
Substance: HEXACHLOROCYCLOPENTADIENE (C56)  
CAS #: 77-47-4  
Pathway: NO PATHWAY INDICATED  
Scoring: 1

NPL Status: Currently on the Final NPL  
Substance ID: U210  
Substance: TETRACHLOROETHENE  
CAS #: 127-18-4  
Pathway: SURFACE WATER PATHWAY

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**OCCIDENTAL CHEMICAL CORP (Continued)**

**1000247995**

Scoring: 2

NPL Status: Currently on the Final NPL  
Substance ID: U220  
Substance: TOLUENE  
CAS #: 108-88-3  
Pathway: GROUND WATER PATHWAY  
Scoring: 2

**Summary Details:**

Conditions at listing December 1982): Hooker s Hyde Park landfill covers 16 acres in Niagara Falls, Niagara County, New York, only a few blocks east of a 500-home residential community. About 80,000 tons of chemical wastes were dumped at this site, owned by Occidental Chemicals Corp. OCC--formerly known as Hooker Chemicals and Plastics Corp.). The wastes include hexachlorocyclopentadiene C-56), trichlorophenols, and chlorinated ben ofluorides. Monitoring data show thatsurface water and ground water have been contaminated by wastes leaching from this landfill. Dioxin has been found in the sediment taken from Bloody Run Creek, which drains the site. This creek runs through the residential community and discharges into the Niagara River gorge. On January 19, 1981, the Federal and State Governments and OCC signed a Consent Decree. This agreement, which became effective on July 1, 1982, specifies the process by which OCC will remedy the problems at the site, maintain these remedies, and ensure that they remain effective. Status July 1983): Hooker is currently implementing the measures specified in the consent agreement.

**Site Status Details:**

NPL Status: Final  
Proposed Date: 12/30/1982  
Final Date: 09/08/1983  
Deleted Date: Not reported

**Narratives Details:**

NPL Name: HOOKER (HYDE PARK)  
City: NIAGARA FALLS  
State: NY

**RCRAInfo Corrective Action Summary:**

Event: Stabilization Measures Evaluation,This facility is not amenable to stabilization activity at the present time for reasons other than 1) it appears to be technically infeasible or inappropriate (NF) or 2) there is a lack of technical information (IN). Reasons for this conclusion may be the status of closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other administrative considerations.

Event Date: 07/03/1996

Event: CA Prioritization, Facility or area was assigned a high corrective action priority.

Event Date: 09/08/1993

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**OCCIDENTAL CHEMICAL CORP (Continued)**

EDR ID Number  
EPA ID Number

**1000247995**

Event: RFA Completed  
Event Date: 03/03/1993

**RCRAInfo:**

Owner: OCCIDENTAL CHEMICAL CORPORATION  
(716) 840-7535  
EPA ID: NYD000831644  
Contact: JOSEPH JUSZKIEWICZ  
(716) 278-7477

Classification: Large Quantity Generator  
TSDF Activities: Not reported

**BIENNIAL REPORTS:**

Last Biennial Reporting Year: 2005

<u>Waste</u>	<u>Quantity (Lbs)</u>
F039	415273400.40

Violation Status: Violations exist

Regulation Violated:	Not reported
Area of Violation:	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	03/18/1999
Actual Date Achieved Compliance:	03/31/1999

Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	03/18/1999
Penalty Type:	Not reported

Regulation Violated:	Not reported
Area of Violation:	GENERATOR-MANIFEST REQUIREMENTS
Date Violation Determined:	07/24/1987
Actual Date Achieved Compliance:	07/26/1987

Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	07/24/1987
Penalty Type:	Not reported

Regulation Violated:	Not reported
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	05/19/1987
Actual Date Achieved Compliance:	07/10/1987

Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	07/10/1987
Penalty Type:	Not reported

Regulation Violated:	Not reported
Area of Violation:	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS
Date Violation Determined:	05/01/1987
Actual Date Achieved Compliance:	06/01/1987

Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	05/01/1987
Penalty Type:	Not reported

Regulation Violated:	Not reported
Area of Violation:	TSD-GROUNDWATER MONITORING REQUIREMENTS
Date Violation Determined:	02/24/1986
Actual Date Achieved Compliance:	12/27/1989

Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	09/20/1988

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**OCCIDENTAL CHEMICAL CORP (Continued)**

EDR ID Number  
EPA ID Number

**1000247995**

Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-CLOSURE/POST-CLOSURE REQUIREMENTS
Date Violation Determined:	02/24/1986
Actual Date Achieved Compliance:	12/27/1989
Enforcement Action:	FINAL 3008(A) COMPLIANCE ORDER
Enforcement Action Date:	09/20/1988
Penalty Type:	Not reported
Regulation Violated:	Not reported
Area of Violation:	TSD-OTHER REQUIREMENTS (OVERSIGHT)
Date Violation Determined:	03/27/1985
Actual Date Achieved Compliance:	07/10/1987
Enforcement Action:	WRITTEN INFORMAL
Enforcement Action Date:	12/02/1985
Penalty Type:	Not reported

There are 7 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19990331
Non-Financial Record Review	GENERATOR-MANIFEST REQUIREMENTS	19870726
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19870710
Financial Record Review	TSD-FINANCIAL RESPONSIBILITY REQUIREMENTS	19870601
Compliance Evaluation Inspection	TSD-GOUNDWATER MONITORING REQUIREMENTS	19891227
	TSD-CLOSURE/POST-CLOSURE REQUIREMENTS	19891227
Compliance Evaluation Inspection	TSD-OTHER REQUIREMENTS (OVERSIGHT)	19870710

**CORRACTS:**

EPA ID: NYD000831644  
EPA Region: 02  
Area Name: SITEWIDE  
Actual Date: 03/03/1993  
Action: CA050 - RFA Completed  
NAICS Code(s): 56291  
Remediation Services

EPA ID: NYD000831644  
EPA Region: 02  
Area Name: SITEWIDE  
Actual Date: 07/03/1996  
Action: CA225NR - Stabilization Measures Evaluation, This facility is, not amenable to stabilization activity at the, present time for reasons other than (1) it appears to be technically, infeasible or inappropriate (NF) or (2) there is a lack of technical, information (IN). Reasons for this conclusion may be the status of, closure at the facility, the degree of risk, timing considerations, the status of corrective action work at the facility, or other, administrative considerations  
NAICS Code(s): 56291  
Remediation Services

EPA ID: NYD000831644  
EPA Region: 02  
Area Name: SITEWIDE



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**OCCIDENTAL CHEMICAL CORP (Continued)**

EDR ID Number  
EPA ID Number

**1000247995**

Actual Date: 09/08/1993  
Action: CA075HI - CA Prioritization, Facility or area was assigned a high  
corrective action priority  
NAICS Code(s): 56291  
Remediation Services

**ROD:**

Full-text of USEPA Record of Decision(s) is available from EDR.

**NY Spills:**

Site ID: 85067  
Facility Addr2: Not reported  
Facility ID: 8905173  
Spill Number: 8905173  
Facility Type: ER  
SWIS: 3211  
Region of Spill: 9  
Investigator: COOKE  
Referred To: Not reported  
Spill Date: 08/24/89  
Reported to Dept: 08/24/89  
CID: 29  
Spill Cause: Equipment Failure  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: 10/04/89  
Cleanup Meets Std: True  
Last Inspection: 10/04/89  
Recommended Penalty: Penalty Not Recommended  
UST Trust: False  
Spill Class: Not reported  
Spill Closed Dt: 10/04/89  
Remediation Phase: 0  
Date Entered In Computer: 10/05/89  
Spill Record Last Update: 10/06/89  
Spiller Name: Not reported  
Spiller Company: OCCIDENTAL CHEMICAL  
Spiller Address: 4700 BUFFALO ROAD  
Spiller City,St,Zip: NIAGARA FALLS, NY  
Spiller Company: 001  
Spiller Phone: (716) 278-7794  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Region: 9  
Program Number: 8905173  
DER Facility ID: 78186  
Site ID: Not reported  
Operable Unit ID: Not reported  
Operable Unit: Not reported  
Material ID: Not reported  
Material Code: Not reported  
Material Name: Not reported  
Case No.: Not reported  
Material FA: Not reported  
Quantity: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**OCCIDENTAL CHEMICAL CORP (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1000247995**

Units: Not reported  
Recovered: Not reported  
Resource Affected: Not reported  
Oxygenate: Not reported  
DEC Memo: Start DECRemark - 8905173 Prior to Sept, 2004 data translation this spill Lead  
DEC Field was "JDC" 08/25/89: NO CLEANUP WILL BE REQUIRED BASED ON AIR  
RESOURCES INSPECTION AND RESPONSE. 10/04/89: NCHD DID NOT GENERATE INSPECTION  
REPORT - NO RESPONSE BY NCHD MADE. NO FURTHER ACTION WILL BE REQUIRED BY THIS  
UNIT. 09/29/95: This is additional information about material spilled from  
the translation of the old spill file: BENZOYLCHLORIDE. END DECRemark - 8905173  
Remarks: Start CallerRemark - 8905173 RELEASE CAUSED BY DAMAGED PIPE FLANGE. END  
CallerRemark - 8905173

**NY MANIFEST:**

Document ID: NYG3541851  
Manifest Status: Not reported  
Trans1 State ID: PT8515CPH  
Trans2 State ID: Not reported  
Generator Ship Date: 05/05/2004  
Trans1 Recv Date: 05/05/2004  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 05/06/2004  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD000831644  
Trans1 EPA ID: OHD009865825  
Trans2 EPA ID: Not reported  
TSD ID: KYD005009  
Waste Code: F039 - UNKNOWN  
Quantity: 40000  
Units: P - Pounds  
Number of Containers: 001  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 01.00  
Year: 04  
Facility Type: Both Generator and TSD  
EPA ID: NYD000831644  
Facility Name: OCCIDENTAL CHEMICAL CORP  
Facility Address: 4700 HYDE PARK BLVD LF  
Facility City: NIAGARA FALLS  
Facility Zip 4: 1248  
Country: Not reported  
County: NIAGARA  
Mailing Name: OCCIDENTAL CHEMICAL CORP  
Mailing Contact: ROBERT SIMMINGTON  
Mailing Address: PO BOX 344  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-278-7545  
Mailing Name: OCCIDENTAL CHEMICAL CORP  
Mailing Contact: BRYAN DOWNIE  
Mailing Address: 4825 HYDE PARK BLVD  
Mailing City: NIAGARA FALLS

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**OCCIDENTAL CHEMICAL CORP (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1000247995**

Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-283-0111

Document ID: NYA5698179  
Manifest Status: Completed copy  
Trans1 State ID: NYU67563  
Trans2 State ID: Not reported  
Generator Ship Date: 880122  
Trans1 Recv Date: 880122  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 880122  
Part A Recv Date: 880201  
Part B Recv Date: 880201  
Generator EPA ID: NYD000831644  
Trans1 EPA ID: NYD000824482  
Trans2 EPA ID: Not reported  
TSD ID: NYD000824482  
Waste Code: U188 - PHENOL  
Quantity: 04600  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 100  
Year: 88  
Facility Type: Both Generator and TSD  
EPA ID: NYD000831644  
Facility Name: OCCIDENTAL CHEMICAL CORP  
Facility Address: 4700 HYDE PARK BLVD LF  
Facility City: NIAGARA FALLS  
Facility Zip 4: 1248  
Country: Not reported  
County: NIAGARA  
Mailing Name: OCCIDENTAL CHEMICAL CORP  
Mailing Contact: ROBERT SIMMINGTON  
Mailing Address: PO BOX 344  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-278-7545  
Mailing Name: OCCIDENTAL CHEMICAL CORP  
Mailing Contact: BRYAN DOWNIE  
Mailing Address: 4825 HYDE PARK BLVD  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-283-0111

Document ID: NYA5698143  
Manifest Status: Completed copy

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation    Site

MAP FINDINGS

Database(s)    EDR ID Number  
 EPA ID Number

**OCCIDENTAL CHEMICAL CORP (Continued)**

**1000247995**

Trans1 State ID: NYU67563  
 Trans2 State ID: Not reported  
 Generator Ship Date: 880120  
 Trans1 Recv Date: 880120  
 Trans2 Recv Date: Not reported  
 TSD Site Recv Date: 880120  
 Part A Recv Date: 880127  
 Part B Recv Date: 880127  
 Generator EPA ID: NYD000831644  
 Trans1 EPA ID: NYD000824482  
 Trans2 EPA ID: Not reported  
 TSDF ID: NYD000824482  
 Waste Code: U188 - PHENOL  
 Quantity: 04600  
 Units: G - Gallons (liquids only)\* (8.3 pounds)  
 Number of Containers: 001  
 Container Type: TT - Cargo tank, tank trucks  
 Handling Method: T Chemical, physical, or biological treatment.  
 Specific Gravity: 100  
 Year: 88  
 Facility Type: Both Generator and TSD  
 EPA ID: NYD000831644  
 Facility Name: OCCIDENTAL CHEMICAL CORP  
 Facility Address: 4700 HYDE PARK BLVD LF  
 Facility City: NIAGARA FALLS  
 Facility Zip 4: 1248  
 Country: Not reported  
 County: NIAGARA  
 Mailing Name: OCCIDENTAL CHEMICAL CORP  
 Mailing Contact: ROBERT SIMMINGTON  
 Mailing Address: PO BOX 344  
 Mailing City: NIAGARA FALLS  
 Mailing State: NY  
 Mailing Zip: 14302  
 Mailing Zip4: Not reported  
 Mailing Country: USA  
 Mailing Phone: 716-278-7545  
 Mailing Name: OCCIDENTAL CHEMICAL CORP  
 Mailing Contact: BRYAN DOWNIE  
 Mailing Address: 4825 HYDE PARK BLVD  
 Mailing City: NIAGARA FALLS  
 Mailing State: NY  
 Mailing Zip: 14305  
 Mailing Zip4: Not reported  
 Mailing Country: USA  
 Mailing Phone: 716-283-0111  
  
 Document ID: NYA5698341  
 Manifest Status: Completed copy  
 Trans1 State ID: NY93141Z  
 Trans2 State ID: Not reported  
 Generator Ship Date: 880203  
 Trans1 Recv Date: 880203  
 Trans2 Recv Date: Not reported  
 TSD Site Recv Date: 880203  
 Part A Recv Date: 880209  
 Part B Recv Date: 880210

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**OCCIDENTAL CHEMICAL CORP (Continued)**

**1000247995**

Generator EPA ID: NYD000831644  
Trans1 EPA ID: NYD000824482  
Trans2 EPA ID: Not reported  
TSD ID: NYD000824482  
Waste Code: U188 - PHENOL  
Quantity: 05300  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 100  
Year: 88  
Facility Type: Both Generator and TSD  
EPA ID: NYD000831644  
Facility Name: OCCIDENTAL CHEMICAL CORP  
Facility Address: 4700 HYDE PARK BLVD LF  
Facility City: NIAGARA FALLS  
Facility Zip 4: 1248  
Country: Not reported  
County: NIAGARA  
Mailing Name: OCCIDENTAL CHEMICAL CORP  
Mailing Contact: ROBERT SIMMINGTON  
Mailing Address: PO BOX 344  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-278-7545  
Mailing Name: OCCIDENTAL CHEMICAL CORP  
Mailing Contact: BRYAN DOWNIE  
Mailing Address: 4825 HYDE PARK BLVD  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-283-0111

Document ID: NYA5253183  
Manifest Status: Completed copy  
Trans1 State ID: NY93141Z  
Trans2 State ID: Not reported  
Generator Ship Date: 880503  
Trans1 Recv Date: 880503  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 880504  
Part A Recv Date: 880512  
Part B Recv Date: 880512  
Generator EPA ID: NYD000831644  
Trans1 EPA ID: NYD000824482  
Trans2 EPA ID: Not reported  
TSD ID: NYD000824482  
Waste Code: U188 - PHENOL  
Quantity: 05300  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**OCCIDENTAL CHEMICAL CORP (Continued)**

**1000247995**

Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 100  
Year: 88  
Facility Type: Both Generator and TSD  
EPA ID: NYD000831644  
Facility Name: OCCIDENTAL CHEMICAL CORP  
Facility Address: 4700 HYDE PARK BLVD LF  
Facility City: NIAGARA FALLS  
Facility Zip 4: 1248  
Country: Not reported  
County: NIAGARA  
Mailing Name: OCCIDENTAL CHEMICAL CORP  
Mailing Contact: ROBERT SIMMINGTON  
Mailing Address: PO BOX 344  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-278-7545  
Mailing Name: OCCIDENTAL CHEMICAL CORP  
Mailing Contact: BRYAN DOWNIE  
Mailing Address: 4825 HYDE PARK BLVD  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-283-0111

Document ID: NYA5253381  
Manifest Status: Completed copy  
Trans1 State ID: NY93150Z  
Trans2 State ID: Not reported  
Generator Ship Date: 880518  
Trans1 Recv Date: 880518  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 880518  
Part A Recv Date: 880524  
Part B Recv Date: 880524  
Generator EPA ID: NYD000831644  
Trans1 EPA ID: NYD000824482  
Trans2 EPA ID: Not reported  
TSDF ID: NYD000824482  
Waste Code: U188 - PHENOL  
Quantity: 04600  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 100  
Year: 88  
Facility Type: Both Generator and TSD  
EPA ID: NYD000831644  
Facility Name: OCCIDENTAL CHEMICAL CORP  
Facility Address: 4700 HYDE PARK BLVD LF

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**OCCIDENTAL CHEMICAL CORP (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1000247995**

Facility City: NIAGARA FALLS  
Facility Zip 4: 1248  
Country: Not reported  
County: NIAGARA  
Mailing Name: OCCIDENTAL CHEMICAL CORP  
Mailing Contact: ROBERT SIMMINGTON  
Mailing Address: PO BOX 344  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-278-7545  
Mailing Name: OCCIDENTAL CHEMICAL CORP  
Mailing Contact: BRYAN DOWNIE  
Mailing Address: 4825 HYDE PARK BLVD  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-283-0111  
  
Document ID: NYA5698152  
Manifest Status: Completed copy  
Trans1 State ID: NYU66135  
Trans2 State ID: Not reported  
Generator Ship Date: 880121  
Trans1 Recv Date: 880121  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 880121  
Part A Recv Date: 880127  
Part B Recv Date: 880127  
Generator EPA ID: NYD000831644  
Trans1 EPA ID: NYD000824482  
Trans2 EPA ID: Not reported  
TSDF ID: NYD000824482  
Waste Code: U188 - PHENOL  
Quantity: 05300  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 100  
Year: 88  
Facility Type: Both Generator and TSD  
EPA ID: NYD000831644  
Facility Name: OCCIDENTAL CHEMICAL CORP  
Facility Address: 4700 HYDE PARK BLVD LF  
Facility City: NIAGARA FALLS  
Facility Zip 4: 1248  
Country: Not reported  
County: NIAGARA  
Mailing Name: OCCIDENTAL CHEMICAL CORP  
Mailing Contact: ROBERT SIMMINGTON  
Mailing Address: PO BOX 344  
Mailing City: NIAGARA FALLS

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**OCCIDENTAL CHEMICAL CORP (Continued)**

**1000247995**

Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-278-7545  
Mailing Name: OCCIDENTAL CHEMICAL CORP  
Mailing Contact: BRYAN DOWNIE  
Mailing Address: 4825 HYDE PARK BLVD  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-283-0111

Document ID: NYA5698251  
Manifest Status: Completed copy  
Trans1 State ID: NYU66135  
Trans2 State ID: Not reported  
Generator Ship Date: 880128  
Trans1 Recv Date: 880128  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 880128  
Part A Recv Date: 880201  
Part B Recv Date: 880201  
Generator EPA ID: NYD000831644  
Trans1 EPA ID: NYD000824482  
Trans2 EPA ID: Not reported  
TSDF ID: NYD000824482  
Waste Code: U188 - PHENOL  
Quantity: 05300  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 100  
Year: 88  
Facility Type: Both Generator and TSD  
EPA ID: NYD000831644  
Facility Name: OCCIDENTAL CHEMICAL CORP  
Facility Address: 4700 HYDE PARK BLVD LF  
Facility City: NIAGARA FALLS  
Facility Zip 4: 1248  
Country: Not reported  
County: NIAGARA  
Mailing Name: OCCIDENTAL CHEMICAL CORP  
Mailing Contact: ROBERT SIMMINGTON  
Mailing Address: PO BOX 344  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-278-7545  
Mailing Name: OCCIDENTAL CHEMICAL CORP  
Mailing Contact: BRYAN DOWNIE  
Mailing Address: 4825 HYDE PARK BLVD

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**OCCIDENTAL CHEMICAL CORP (Continued)**

**1000247995**

Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-283-0111

Document ID: NYA5698206  
Manifest Status: Completed copy  
Trans1 State ID: NYU67563  
Trans2 State ID: Not reported  
Generator Ship Date: 880125  
Trans1 Recv Date: 880125  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 880125  
Part A Recv Date: 880201  
Part B Recv Date: 880201  
Generator EPA ID: NYD000831644  
Trans1 EPA ID: NYD000824482  
Trans2 EPA ID: Not reported  
TSDF ID: NYD000824482  
Waste Code: U188 - PHENOL  
Quantity: 04600  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 100  
Year: 88  
Facility Type: Both Generator and TSD  
EPA ID: NYD000831644  
Facility Name: OCCIDENTAL CHEMICAL CORP  
Facility Address: 4700 HYDE PARK BLVD LF  
Facility City: NIAGARA FALLS  
Facility Zip 4: 1248  
Country: Not reported  
County: NIAGARA  
Mailing Name: OCCIDENTAL CHEMICAL CORP  
Mailing Contact: ROBERT SIMMINGTON  
Mailing Address: PO BOX 344  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-278-7545  
Mailing Name: OCCIDENTAL CHEMICAL CORP  
Mailing Contact: BRYAN DOWNIE  
Mailing Address: 4825 HYDE PARK BLVD  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-283-0111

Document ID: NYA5699079

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation    Site

MAP FINDINGS

Database(s)  
 EDR ID Number  
 EPA ID Number

**OCCIDENTAL CHEMICAL CORP (Continued)**

**1000247995**

Manifest Status: Completed copy  
 Trans1 State ID: NY93141Z  
 Trans2 State ID: Not reported  
 Generator Ship Date: 880308  
 Trans1 Recv Date: 880308  
 Trans2 Recv Date: Not reported  
 TSD Site Recv Date: 880309  
 Part A Recv Date: 880321  
 Part B Recv Date: 880321  
 Generator EPA ID: NYD000831644  
 Trans1 EPA ID: NYD000824482  
 Trans2 EPA ID: Not reported  
 TSDF ID: NYD000824482  
 Waste Code: U188 - PHENOL  
 Quantity: 05300  
 Units: G - Gallons (liquids only)\* (8.3 pounds)  
 Number of Containers: 001  
 Container Type: TT - Cargo tank, tank trucks  
 Handling Method: T Chemical, physical, or biological treatment.  
 Specific Gravity: 100  
 Year: 88  
 Facility Type: Both Generator and TSD  
 EPA ID: NYD000831644  
 Facility Name: OCCIDENTAL CHEMICAL CORP  
 Facility Address: 4700 HYDE PARK BLVD LF  
 Facility City: NIAGARA FALLS  
 Facility Zip 4: 1248  
 Country: Not reported  
 County: NIAGARA  
 Mailing Name: OCCIDENTAL CHEMICAL CORP  
 Mailing Contact: ROBERT SIMMINGTON  
 Mailing Address: PO BOX 344  
 Mailing City: NIAGARA FALLS  
 Mailing State: NY  
 Mailing Zip: 14302  
 Mailing Zip4: Not reported  
 Mailing Country: USA  
 Mailing Phone: 716-278-7545  
 Mailing Name: OCCIDENTAL CHEMICAL CORP  
 Mailing Contact: BRYAN DOWNIE  
 Mailing Address: 4825 HYDE PARK BLVD  
 Mailing City: NIAGARA FALLS  
 Mailing State: NY  
 Mailing Zip: 14305  
 Mailing Zip4: Not reported  
 Mailing Country: USA  
 Mailing Phone: 716-283-0111  
  
 Document ID: NYA5698377  
 Manifest Status: Completed copy  
 Trans1 State ID: NY93141Z  
 Trans2 State ID: Not reported  
 Generator Ship Date: 880205  
 Trans1 Recv Date: 880205  
 Trans2 Recv Date: Not reported  
 TSD Site Recv Date: 880205  
 Part A Recv Date: 880211



Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation    Site

MAP FINDINGS

Database(s)  
 EDR ID Number  
 EPA ID Number

**OCCIDENTAL CHEMICAL CORP (Continued)**

**1000247995**

Part B Recv Date: 880211  
 Generator EPA ID: NYD000831644  
 Trans1 EPA ID: NYD000824482  
 Trans2 EPA ID: Not reported  
 TSDF ID: NYD000824482  
 Waste Code: U188 - PHENOL  
 Quantity: 05300  
 Units: G - Gallons (liquids only)\* (8.3 pounds)  
 Number of Containers: 001  
 Container Type: TT - Cargo tank, tank trucks  
 Handling Method: T Chemical, physical, or biological treatment.  
 Specific Gravity: 100  
 Year: 88  
 Facility Type: Both Generator and TSD  
 EPA ID: NYD000831644  
 Facility Name: OCCIDENTAL CHEMICAL CORP  
 Facility Address: 4700 HYDE PARK BLVD LF  
 Facility City: NIAGARA FALLS  
 Facility Zip 4: 1248  
 Country: Not reported  
 County: NIAGARA  
 Mailing Name: OCCIDENTAL CHEMICAL CORP  
 Mailing Contact: ROBERT SIMMINGTON  
 Mailing Address: PO BOX 344  
 Mailing City: NIAGARA FALLS  
 Mailing State: NY  
 Mailing Zip: 14302  
 Mailing Zip4: Not reported  
 Mailing Country: USA  
 Mailing Phone: 716-278-7545  
 Mailing Name: OCCIDENTAL CHEMICAL CORP  
 Mailing Contact: BRYAN DOWNIE  
 Mailing Address: 4825 HYDE PARK BLVD  
 Mailing City: NIAGARA FALLS  
 Mailing State: NY  
 Mailing Zip: 14305  
 Mailing Zip4: Not reported  
 Mailing Country: USA  
 Mailing Phone: 716-283-0111  
  
 Document ID: NYA5698989  
 Manifest Status: Completed copy  
 Trans1 State ID: NY93141Z  
 Trans2 State ID: Not reported  
 Generator Ship Date: 880304  
 Trans1 Recv Date: 880304  
 Trans2 Recv Date: Not reported  
 TSD Site Recv Date: 880304  
 Part A Recv Date: 880314  
 Part B Recv Date: 880315  
 Generator EPA ID: NYD000831644  
 Trans1 EPA ID: NYD000824482  
 Trans2 EPA ID: Not reported  
 TSDF ID: NYD000824482  
 Waste Code: U188 - PHENOL  
 Quantity: 05300  
 Units: G - Gallons (liquids only)\* (8.3 pounds)

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation    Site

MAP FINDINGS

Database(s)  
 EDR ID Number  
 EPA ID Number

**OCCIDENTAL CHEMICAL CORP (Continued)**

**1000247995**

Number of Containers: 001  
 Container Type: TT - Cargo tank, tank trucks  
 Handling Method: T Chemical, physical, or biological treatment.  
 Specific Gravity: 100  
 Year: 88  
 Facility Type: Both Generator and TSD  
 EPA ID: NYD000831644  
 Facility Name: OCCIDENTAL CHEMICAL CORP  
 Facility Address: 4700 HYDE PARK BLVD LF  
 Facility City: NIAGARA FALLS  
 Facility Zip 4: 1248  
 Country: Not reported  
 County: NIAGARA  
 Mailing Name: OCCIDENTAL CHEMICAL CORP  
 Mailing Contact: ROBERT SIMMINGTON  
 Mailing Address: PO BOX 344  
 Mailing City: NIAGARA FALLS  
 Mailing State: NY  
 Mailing Zip: 14302  
 Mailing Zip4: Not reported  
 Mailing Country: USA  
 Mailing Phone: 716-278-7545  
 Mailing Name: OCCIDENTAL CHEMICAL CORP  
 Mailing Contact: BRYAN DOWNIE  
 Mailing Address: 4825 HYDE PARK BLVD  
 Mailing City: NIAGARA FALLS  
 Mailing State: NY  
 Mailing Zip: 14305  
 Mailing Zip4: Not reported  
 Mailing Country: USA  
 Mailing Phone: 716-283-0111

Document ID: NYA5697999  
 Manifest Status: Completed copy  
 Trans1 State ID: NYU66135  
 Trans2 State ID: Not reported  
 Generator Ship Date: 880111  
 Trans1 Recv Date: 880111  
 Trans2 Recv Date: Not reported  
 TSD Site Recv Date: 880111  
 Part A Recv Date: 880119  
 Part B Recv Date: 880119  
 Generator EPA ID: NYD000831644  
 Trans1 EPA ID: NYD000824482  
 Trans2 EPA ID: Not reported  
 TSDF ID: NYD000824482  
 Waste Code: U188 - PHENOL  
 Quantity: 05300  
 Units: G - Gallons (liquids only)\* (8.3 pounds)  
 Number of Containers: 001  
 Container Type: TT - Cargo tank, tank trucks  
 Handling Method: T Chemical, physical, or biological treatment.  
 Specific Gravity: 100  
 Year: 88  
 Facility Type: Both Generator and TSD  
 EPA ID: NYD000831644  
 Facility Name: OCCIDENTAL CHEMICAL CORP

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**OCCIDENTAL CHEMICAL CORP (Continued)**

**1000247995**

Facility Address: 4700 HYDE PARK BLVD LF  
Facility City: NIAGARA FALLS  
Facility Zip 4: 1248  
Country: Not reported  
County: NIAGARA  
Mailing Name: OCCIDENTAL CHEMICAL CORP  
Mailing Contact: ROBERT SIMMINGTON  
Mailing Address: PO BOX 344  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-278-7545  
Mailing Name: OCCIDENTAL CHEMICAL CORP  
Mailing Contact: BRYAN DOWNIE  
Mailing Address: 4825 HYDE PARK BLVD  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-283-0111

Document ID: NYA5699043  
Manifest Status: Completed copy  
Trans1 State ID: NY93141Z  
Trans2 State ID: Not reported  
Generator Ship Date: 880308  
Trans1 Recv Date: 880308  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 880308  
Part A Recv Date: 880314  
Part B Recv Date: 880315  
Generator EPA ID: NYD000831644  
Trans1 EPA ID: NYD000824482  
Trans2 EPA ID: Not reported  
TSD ID: NYD000824482  
Waste Code: U188 - PHENOL  
Quantity: 05300  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 100  
Year: 88  
Facility Type: Both Generator and TSD  
EPA ID: NYD000831644  
Facility Name: OCCIDENTAL CHEMICAL CORP  
Facility Address: 4700 HYDE PARK BLVD LF  
Facility City: NIAGARA FALLS  
Facility Zip 4: 1248  
Country: Not reported  
County: NIAGARA  
Mailing Name: OCCIDENTAL CHEMICAL CORP  
Mailing Contact: ROBERT SIMMINGTON  
Mailing Address: PO BOX 344

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation    Site

MAP FINDINGS

Database(s)  
 EDR ID Number  
 EPA ID Number

**OCCIDENTAL CHEMICAL CORP (Continued)**

**1000247995**

Mailing City: NIAGARA FALLS  
 Mailing State: NY  
 Mailing Zip: 14302  
 Mailing Zip4: Not reported  
 Mailing Country: USA  
 Mailing Phone: 716-278-7545  
 Mailing Name: OCCIDENTAL CHEMICAL CORP  
 Mailing Contact: BRYAN DOWNIE  
 Mailing Address: 4825 HYDE PARK BLVD  
 Mailing City: NIAGARA FALLS  
 Mailing State: NY  
 Mailing Zip: 14305  
 Mailing Zip4: Not reported  
 Mailing Country: USA  
 Mailing Phone: 716-283-0111

Document ID: NYA5698269  
 Manifest Status: Completed copy  
 Trans1 State ID: NYU66135  
 Trans2 State ID: Not reported  
 Generator Ship Date: 880129  
 Trans1 Recv Date: 880129  
 Trans2 Recv Date: Not reported  
 TSD Site Recv Date: 880129  
 Part A Recv Date: 880209  
 Part B Recv Date: 880209  
 Generator EPA ID: NYD000831644  
 Trans1 EPA ID: NYD000824482  
 Trans2 EPA ID: Not reported  
 TSDF ID: NYD000824482  
 Waste Code: U188 - PHENOL  
 Quantity: 05300  
 Units: G - Gallons (liquids only)\* (8.3 pounds)  
 Number of Containers: 001  
 Container Type: TT - Cargo tank, tank trucks  
 Handling Method: T Chemical, physical, or biological treatment.  
 Specific Gravity: 100  
 Year: 88  
 Facility Type: Both Generator and TSD  
 EPA ID: NYD000831644  
 Facility Name: OCCIDENTAL CHEMICAL CORP  
 Facility Address: 4700 HYDE PARK BLVD LF  
 Facility City: NIAGARA FALLS  
 Facility Zip 4: 1248  
 Country: Not reported  
 County: NIAGARA  
 Mailing Name: OCCIDENTAL CHEMICAL CORP  
 Mailing Contact: ROBERT SIMMINGTON  
 Mailing Address: PO BOX 344  
 Mailing City: NIAGARA FALLS  
 Mailing State: NY  
 Mailing Zip: 14302  
 Mailing Zip4: Not reported  
 Mailing Country: USA  
 Mailing Phone: 716-278-7545  
 Mailing Name: OCCIDENTAL CHEMICAL CORP  
 Mailing Contact: BRYAN DOWNIE

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**OCCIDENTAL CHEMICAL CORP (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1000247995**

Mailing Address: 4825 HYDE PARK BLVD  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-283-0111

Document ID: NYA5698368  
Manifest Status: Completed copy  
Trans1 State ID: NY93141Z  
Trans2 State ID: Not reported  
Generator Ship Date: 880205  
Trans1 Recv Date: 880205  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 880205  
Part A Recv Date: 880211  
Part B Recv Date: 880211  
Generator EPA ID: NYD000831644  
Trans1 EPA ID: NYD000824482  
Trans2 EPA ID: Not reported  
TSDF ID: NYD000824482  
Waste Code: U188 - PHENOL  
Quantity: 05300  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 100  
Year: 88  
Facility Type: Both Generator and TSD  
EPA ID: NYD000831644  
Facility Name: OCCIDENTAL CHEMICAL CORP  
Facility Address: 4700 HYDE PARK BLVD LF  
Facility City: NIAGARA FALLS  
Facility Zip 4: 1248  
Country: Not reported  
County: NIAGARA  
Mailing Name: OCCIDENTAL CHEMICAL CORP  
Mailing Contact: ROBERT SIMMINGTON  
Mailing Address: PO BOX 344  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-278-7545  
Mailing Name: OCCIDENTAL CHEMICAL CORP  
Mailing Contact: BRYAN DOWNIE  
Mailing Address: 4825 HYDE PARK BLVD  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-283-0111



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**OCCIDENTAL CHEMICAL CORP (Continued)**

**1000247995**

Document ID: NYA5252868  
Manifest Status: Completed copy  
Trans1 State ID: NY93150Z  
Trans2 State ID: Not reported  
Generator Ship Date: 880412  
Trans1 Recv Date: 880412  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 880412  
Part A Recv Date: 880420  
Part B Recv Date: 880420  
Generator EPA ID: NYD000831644  
Trans1 EPA ID: NYD000824482  
Trans2 EPA ID: Not reported  
TSD ID: NYD000824482  
Waste Code: U188 - PHENOL  
Quantity: 04600  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 100  
Year: 88  
Facility Type: Both Generator and TSD  
EPA ID: NYD000831644  
Facility Name: OCCIDENTAL CHEMICAL CORP  
Facility Address: 4700 HYDE PARK BLVD LF  
Facility City: NIAGARA FALLS  
Facility Zip 4: 1248  
Country: Not reported  
County: NIAGARA  
Mailing Name: OCCIDENTAL CHEMICAL CORP  
Mailing Contact: ROBERT SIMMINGTON  
Mailing Address: PO BOX 344  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-278-7545  
Mailing Name: OCCIDENTAL CHEMICAL CORP  
Mailing Contact: BRYAN DOWNIE  
Mailing Address: 4825 HYDE PARK BLVD  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-283-0111

Document ID: NYA5698017  
Manifest Status: Completed copy  
Trans1 State ID: NYU67563  
Trans2 State ID: Not reported  
Generator Ship Date: 880112  
Trans1 Recv Date: 880112  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 880112

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**OCCIDENTAL CHEMICAL CORP (Continued)**

**1000247995**

Part A Recv Date: 880119  
Part B Recv Date: 880119  
Generator EPA ID: NYD000831644  
Trans1 EPA ID: NYD000824482  
Trans2 EPA ID: Not reported  
TSDF ID: NYD000824482  
Waste Code: U188 - PHENOL  
Quantity: 04600  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 100  
Year: 88  
Facility Type: Both Generator and TSD  
EPA ID: NYD000831644  
Facility Name: OCCIDENTAL CHEMICAL CORP  
Facility Address: 4700 HYDE PARK BLVD LF  
Facility City: NIAGARA FALLS  
Facility Zip 4: 1248  
Country: Not reported  
County: NIAGARA  
Mailing Name: OCCIDENTAL CHEMICAL CORP  
Mailing Contact: ROBERT SIMMINGTON  
Mailing Address: PO BOX 344  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-278-7545  
Mailing Name: OCCIDENTAL CHEMICAL CORP  
Mailing Contact: BRYAN DOWNIE  
Mailing Address: 4825 HYDE PARK BLVD  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-283-0111

Document ID: NYA5697918  
Manifest Status: Completed copy  
Trans1 State ID: NYU66135  
Trans2 State ID: Not reported  
Generator Ship Date: 880105  
Trans1 Recv Date: 880105  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 880105  
Part A Recv Date: 880114  
Part B Recv Date: 880112  
Generator EPA ID: NYD000831644  
Trans1 EPA ID: NYD000824482  
Trans2 EPA ID: Not reported  
TSDF ID: NYD000824482  
Waste Code: U188 - PHENOL  
Quantity: 05300

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**OCCIDENTAL CHEMICAL CORP (Continued)**

**1000247995**

Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 100  
Year: 88  
Facility Type: Both Generator and TSD  
EPA ID: NYD000831644  
Facility Name: OCCIDENTAL CHEMICAL CORP  
Facility Address: 4700 HYDE PARK BLVD LF  
Facility City: NIAGARA FALLS  
Facility Zip 4: 1248  
Country: Not reported  
County: NIAGARA  
Mailing Name: OCCIDENTAL CHEMICAL CORP  
Mailing Contact: ROBERT SIMMINGTON  
Mailing Address: PO BOX 344  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-278-7545  
Mailing Name: OCCIDENTAL CHEMICAL CORP  
Mailing Contact: BRYAN DOWNIE  
Mailing Address: 4825 HYDE PARK BLVD  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-283-0111  
  
Document ID: NYA5252103  
Manifest Status: Completed copy  
Trans1 State ID: NY93141Z  
Trans2 State ID: Not reported  
Generator Ship Date: 880311  
Trans1 Recv Date: 880311  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 880314  
Part A Recv Date: 880322  
Part B Recv Date: 880322  
Generator EPA ID: NYD000831644  
Trans1 EPA ID: NYD000824482  
Trans2 EPA ID: Not reported  
TSDF ID: NYD000824482  
Waste Code: U188 - PHENOL  
Quantity: 05300  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 100  
Year: 88  
Facility Type: Both Generator and TSD  
EPA ID: NYD000831644

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**OCCIDENTAL CHEMICAL CORP (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1000247995**

Facility Name: OCCIDENTAL CHEMICAL CORP  
Facility Address: 4700 HYDE PARK BLVD LF  
Facility City: NIAGARA FALLS  
Facility Zip 4: 1248  
Country: Not reported  
County: NIAGARA  
Mailing Name: OCCIDENTAL CHEMICAL CORP  
Mailing Contact: ROBERT SIMMINGTON  
Mailing Address: PO BOX 344  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-278-7545  
Mailing Name: OCCIDENTAL CHEMICAL CORP  
Mailing Contact: BRYAN DOWNIE  
Mailing Address: 4825 HYDE PARK BLVD  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-283-0111

[Click this hyperlink](#) while viewing on your computer to access  
6454 additional NY\_MANIFEST: record(s) in the EDR Site Report.

**US ENG CONTROLS:**

EPA ID: NYD000831644  
Site ID: 0201306  
Name: HOOKER (HYDE PARK)  
Address: HYDE PARK BLVD  
NIAGARA FALLS, NY 14304  
EPA Region: 02  
County: NIAGARA  
Event Code: Not reported  
Actual Date: Not reported  
Action ID: 001  
Action Name: RECORD OF DECISION  
Action Completion date: 11/26/1985  
Planned Complet. date: Not reported  
Operable Unit: 01  
Contaminated Media : Groundwater  
Engineering Control: Carbon Adsorption

**NY Hist Spills:**

Region of Spill: 9  
Spill Number: 8905173  
Investigator: JDC  
Caller Name: Not reported  
Caller Agency: Not reported  
Caller Phone: Not reported  
Notifier Name: Not reported

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation    Site

MAP FINDINGS

Database(s)  
 EDR ID Number  
 EPA ID Number

**OCCIDENTAL CHEMICAL CORP (Continued)**

**1000247995**

Notifier Agency:	Not reported
Notifier Phone:	Not reported
Spill Date/Time:	08/24/1989 23:00
Reported to Dept Date/Time:	08/24/89 00:02
SWIS:	29
Spiller Name:	OCCIDENTAL CHEMICAL
Spiller Contact:	Not reported
Spiller Phone:	(716) 278-7794
Spiller Address:	4700 BUFFALO ROAD
Spiller City,St,Zip:	NIAGARA FALLS, NY
Spill Cause:	Equipment Failure
Reported to Dept:	Air
Water Affected:	Not reported
Spill Source:	01
Spill Notifier:	Responsible Party
PBS Number:	Not reported
Cleanup Ceased:	10/04/89
Cleanup Meets Std:	True
Last Inspection:	10/04/89
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Dt:	/ /
Enforcement Date:	/ /
Invstgn Complete:	/ /
UST Involvement:	False
Spill Class:	Not reported
Spill Closed Dt:	10/04/89
Corrective Action Plan Submitted:	/ /
Date Region Sent Summary to Central Office:	/ /
Date Spill Entered In Computer Data File:	10/05/89
Date Spill Entered In Computer Data File:	Not reported
Update Date:	10/06/89
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Not reported
Quantity Spilled:	Not reported
Unkonwn Quantity Spilled:	Not reported
Units:	Not reported
Quantity Recovered:	Not reported
Unkonwn Quantity Recovered:	Not reported
Material:	Not reported
Class Type:	Not reported
Times Material Entry In File:	Not reported
CAS Number:	Not reported
Last Date:	Not reported
DEC Remarks:	08/25/89: NO CLEANUP WILL BE REQUIRED BASED ON AIR RESOURCES INSPECTION AND RESPONSE. 10/04/89: NCHD DID NOT GENERATE INSPECTION REPORT - NO RESPONSE BY NCHD MADE. NO FURTHER ACTION WILL BE REQUIRED BY THIS UNIT. 09/29/95: This is additional information about material spilled from the translation of the old spill file: BENZOYLCHLORIDE.
Remark:	RELEASE CAUSED BY DAMAGED PIPE FLANGE.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**A6**  
**WNW**  
**< 1/8**  
**90 ft.**

**GLOBE ENVIRONMENTAL**  
**3807 HIGHLAND AVENUE**  
**NIAGARA FALLS, NY**

**LTANKS**  
**HIST LTANKS**

**S101659338**  
**N/A**

**Site 6 of 17 in cluster A**

**Relative:**  
**Equal**

**LTANKS:**

**Actual:**  
**582 ft.**

Site ID: 172551  
Spill Date: 09/01/95  
Facility Addr2: Not reported  
Facility ID: 9507367  
Program Number: 9507367  
SWIS: 3211  
Region of Spill: 9  
Investigator: SACALAND  
Referred To: NIAGARA CNTY HEALTH DEPT  
Reported to Dept: 09/12/95  
CID: 29  
Spill Cause: Tank Failure  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: / /  
Cleanup Meets Standard: True  
Last Inspection: 09/12/95  
Recommended Penalty: Penalty Not Recommended  
UST Involvement: False  
Spill Class: Known release that creates potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: 01/31/96  
Remediation Phase: 0  
Date Entered In Computer: 09/17/95  
Spill Record Last Update: 02/01/96  
Spille Namer: Not reported  
Spiller Company: GLOBE METALLURGICAL  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
Spiller Address: 3807 HIGHLAND AVENUE  
Spiller City,St,Zip: NIAGARA FALLS, NY  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 9  
Program Number: 9507367  
DER Facility ID: 145224  
Site ID: 172551  
Operable Unit ID: 1022121  
Operable Unit: 01  
Material ID: 361797  
Material Code: 0001  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0.00  
Units: Gallons  
Recovered: 0.00  
Resource Affected: Soil  
Oxygenate: False



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**GLOBE ENVIRONMENTAL (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**S101659338**

Site ID: Not reported  
Spill Tank Test: Not reported  
Tank Number: Not reported  
Tank Size: Not reported  
Test Method: Not reported  
Leak Rate: Not reported  
Gross Fail: Not reported  
Modified By: Not reported  
Last Modified: Not reported  
Test Method: Not reported  
DEC Memo: Start DECRemark - 9507367 Prior to Sept, 2004 data translation this spill Lead  
DEC Field was "SAC-NCHD" 09/15/95: SAC NOTIFIED NCHD TO INSPECT PULL,PAUL DICKY  
INSPECTED AND IS FOLLOWING UP. 01/26/96:MEETING W/NCHD,PAUL DICKY WILL BE  
SENDING REPORT FOR CLOSEOUT. 01/31/96:RECEIVED NCHD INSPECTION REPORT FROM  
PAUL DICKY, CONFIRMATORY SAMPLE RESULTS WERE BQL,DISPOSAL RECEIPTS RECEIVED.  
END DECRemark - 9507367  
Remarks: Start CallerRemark - 9507367 CONTAMINATION FOUND DURING TANK REMOVAL END  
CallerRemark - 9507367

**HIST LTANKS:**

Region of Spill: 9  
Spill Number: 9507367  
Investigator: SAC-NCHD  
Caller Name: Not reported  
Caller Agency: Not reported  
Caller Phone: Not reported  
Caller Extension: Not reported  
Notifier Name: Not reported  
Notifier Agency: Not reported  
Notifier Phone: Not reported  
Notifier Extension: Not reported  
Spill Date: 09/01/1995  
Spill Time: 12:00  
Reported to Department Date: 09/12/95  
Reported to Department Time: 09:45  
SWIS: 29  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extension: Not reported  
Spiller Name: GLOBE METALLURGICAL  
Spiller Address: 3807 HIGHLAND AVENUE  
Spiller City,St,Zip: NIAGARA FALLS, NY  
Facility Contact: Not reported  
Facility Phone: Not reported  
Facility Extension: Not reported  
Spill Cause: Tank Failure  
Resource Affectd: On Land  
Water Affected: Not reported  
Spill Source: Other Commercial/Industrial  
Spill Notifier: Other  
PBS Number: Not reported  
Cleanup Ceased: / /  
Cleanup Meets Standard: True  
Last Inspection: 09/12/95  
Recommended Penalty: Penalty Not Recommended  
Spiller Cleanup Date: / /  
Enforcement Date: / /

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**GLOBE ENVIRONMENTAL (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**S101659338**

Investigation Complete: / /  
UST Involvement: False  
Spill Class: Known release that creates potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: 01/31/96  
Date Region Sent Summary to Central Office: / /  
Corrective Action Plan Submitted: / /  
Date Spill Entered In Computer Data File: 09/17/95  
Time Spill Entered In Computer Data File: Not reported  
Spill Record Last Update: 02/01/96  
Is Updated: False  
PBS Number: Not reported  
Tank Number: Not reported  
Tank Size: Not reported  
Test Method: Not reported  
Leak Rate Failed Tank: Not reported  
Gross Leak Rate: Not reported  
Material Class Type: Petroleum  
Quantity Spilled: 0  
Unkonwn Quantity Spilled: True  
Units: Gallons  
Quantity Recovered: 0  
Unkonwn Quantity Recovered: True  
Material: #2 FUEL OIL  
Class Type: #2 FUEL OIL  
Times Material Entry In File: 24464  
CAS Number: Not reported  
Last Date: 19941207  
DEC Remarks: 09/15/95: SAC NOTIFIED NCHD TO INSPECT PULL,PAUL DICKY INSPECTED AND IS  
FOLLOWING UP. 01/26/96:MEETING W/NCHD,PAUL DICKY WILL BE SENDING REPORT FOR  
CLOSEOUT. 01/31/96:RECEIVED NCHD INSPECTION REPORT FROM PAUL DICKY,  
CONFIRMATORY SAMPLE RESULTS WERE BQL, DISPOSAL RECEIPTS RECEIVED.  
Spill Cause: CONTAMINATION FOUND DURING TANK REMOVAL

**A7  
WNW  
< 1/8  
90 ft.**

**GLOBE METALLURGICAL INC  
3807 HIGHLAND AVE  
NIAGARA FALLS, NY 14305**

**RCRA-SQG 1001818367  
FINDS NY0000996140  
AIRS**

**Site 7 of 17 in cluster A**

**Relative:  
Equal**

RCRAInfo:  
Owner: GLOBE METALLURGICAL INC  
(216) 328-0145  
EPA ID: NY0000996140  
Contact: RONALD STIPP  
(716) 278-8893

**Actual:  
582 ft.**

Classification: Conditionally Exempt Small Quantity Generator  
TSDF Activities: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**GLOBE METALLURGICAL INC (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

Violation Status: No violations found

**1001818367**

**FINDS:**

**Other Pertinent Environmental Activity Identified at Site**

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

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

TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

**AIRS:**

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: EAFURN  
Process Id: P01FP  
Contaminant Name/cas: PM-PRI  
Epa Control Code: 016  
Contol Eff: 90  
Emissions: 1.59440002  
Unit: TON

County Fips: 36063

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**GLOBE METALLURGICAL INC (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1001818367**

DEC Id: 9291100078  
Emission Unit Id: EAFURN  
Process Id: P02FP  
Contaminant Name/cas: 16065831  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 6  
Unit: LB

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: EAFURN  
Process Id: P02FP  
Contaminant Name/cas: 7439921  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 13  
Unit: LB

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: EAFURN  
Process Id: P02FP  
Contaminant Name/cas: 7439965  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 45  
Unit: LB

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: EAFURN  
Process Id: P02FP  
Contaminant Name/cas: 7440020  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 1.5  
Unit: LB

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: EAFURN  
Process Id: P02FP  
Contaminant Name/cas: 7440439  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 2  
Unit: LB

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: EAFURN  
Process Id: P02FP  
Contaminant Name/cas: 7440484  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 1.5

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**GLOBE METALLURGICAL INC (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1001818367**

Unit: LB

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: EAFURN  
Process Id: P02FP  
Contaminant Name/cas: CO  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 85.9022965  
Unit: TON

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: EAFURN  
Process Id: P02FP  
Contaminant Name/cas: NOX  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 214.488156  
Unit: TON

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: EAFURN  
Process Id: P02FP  
Contaminant Name/cas: PM10-PRI  
Epa Control Code: 016  
Contol Eff: 99.4  
Emissions: 83.86625  
Unit: TON

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: EAFURN  
Process Id: P02FP  
Contaminant Name/cas: SO2  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 213.938656  
Unit: TON

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: EAFURN  
Process Id: P02FP  
Contaminant Name/cas: VOC  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 37.49  
Unit: TON

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: EI0001  
Process Id: E01EI  
Contaminant Name/cas: 106990

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**GLOBE METALLURGICAL INC (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1001818367**

Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 0.1  
Unit: LB

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: EI0001  
Process Id: E01EI  
Contaminant Name/cas: 107028  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 0.23  
Unit: LB

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: EI0001  
Process Id: E01EI  
Contaminant Name/cas: 108883  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 1.04999995  
Unit: LB

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: EI0001  
Process Id: E01EI  
Contaminant Name/cas: 120127  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 0.0048  
Unit: LB

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: EI0001  
Process Id: E01EI  
Contaminant Name/cas: 129000  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 0.01  
Unit: LB

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: EI0001  
Process Id: E01EI  
Contaminant Name/cas: 1330207  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 0.73000001  
Unit: LB

County Fips: 36063  
DEC Id: 9291100078



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**GLOBE METALLURGICAL INC (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1001818367**

Emission Unit Id: EI0001  
Process Id: E01EI  
Contaminant Name/cas: 191242  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 0.0013  
Unit: LB

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: EI0001  
Process Id: E01EI  
Contaminant Name/cas: 205992  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 0.0003  
Unit: LB

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: EI0001  
Process Id: E01EI  
Contaminant Name/cas: 206440  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 0.01  
Unit: LB

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: EI0001  
Process Id: E01EI  
Contaminant Name/cas: 207089  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 0.0004  
Unit: LB

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: EI0001  
Process Id: E01EI  
Contaminant Name/cas: 218019  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 0.0009  
Unit: LB

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: EI0001  
Process Id: E01EI  
Contaminant Name/cas: 50000  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 3.02999997  
Unit: LB

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**GLOBE METALLURGICAL INC (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1001818367**

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: EI0001  
Process Id: E01EI  
Contaminant Name/cas: 50328  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 0.0005  
Unit: LB

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: EI0001  
Process Id: E01EI  
Contaminant Name/cas: 56553  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 0.0043  
Unit: LB

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: EI0001  
Process Id: E01EI  
Contaminant Name/cas: 71432  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 2.40000009  
Unit: LB

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: EI0001  
Process Id: E01EI  
Contaminant Name/cas: 7439976  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 0.0008  
Unit: LB

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: EI0001  
Process Id: E01EI  
Contaminant Name/cas: 75070  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 1.97000002  
Unit: LB

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: EI0001  
Process Id: E01EI  
Contaminant Name/cas: 83329  
Epa Control Code: Not reported  
Contol Eff: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**GLOBE METALLURGICAL INC (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1001818367**

Emissions: 0.0037  
Unit: LB

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: EI0001  
Process Id: E01EI  
Contaminant Name/cas: 85018  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 0.07  
Unit: LB

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: EI0001  
Process Id: E01EI  
Contaminant Name/cas: 86737  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 0.07  
Unit: LB

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: EI0001  
Process Id: E01EI  
Contaminant Name/cas: 91203  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 0.20999999  
Unit: LB

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: EI0001  
Process Id: E01EI  
Contaminant Name/cas: CO  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 1.22265002  
Unit: TON

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: EI0001  
Process Id: E01EI  
Contaminant Name/cas: NOX  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 5.6756699  
Unit: TON

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: EI0001  
Process Id: E01EI

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**GLOBE METALLURGICAL INC (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1001818367**

Contaminant Name/cas: PM10-PR1  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 0.38244  
Unit: TON

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: EI0001  
Process Id: E01EI  
Contaminant Name/cas: SO2  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 0.37323001  
Unit: TON

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: EI0001  
Process Id: E01EI  
Contaminant Name/cas: VOC  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 0.45507501  
Unit: TON

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: RDWYPK  
Process Id: P05FP  
Contaminant Name/cas: PM-PR1  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 1.181  
Unit: TON

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: UFAC01  
Process Id: 013EI  
Contaminant Name/cas: 7439921  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 0.01  
Unit: LB

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: UFAC01  
Process Id: 013EI  
Contaminant Name/cas: CO  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 1.512  
Unit: TON

County Fips: 36063

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**GLOBE METALLURGICAL INC (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1001818367**

DEC Id: 9291100078  
Emission Unit Id: UFAC01  
Process Id: 013EI  
Contaminant Name/cas: NOX  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 1.8  
Unit: TON

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: UFAC01  
Process Id: 013EI  
Contaminant Name/cas: PM10-PRI  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 0.13678999  
Unit: TON

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: UFAC01  
Process Id: 013EI  
Contaminant Name/cas: SO2  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 0.0108  
Unit: TON

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: UFAC01  
Process Id: 013EI  
Contaminant Name/cas: VOC  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 0.099  
Unit: TON

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: EAFURN  
Process Id: P02FP  
Contaminant Name/cas: PM25-PRI  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 74.750353  
Unit: TON

County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: UFAC01  
Process Id: 013EI  
Contaminant Name/cas: PM25-PRI  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 0.136791

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**GLOBE METALLURGICAL INC (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1001818367**

Unit: TON  
  
County Fips: 36063  
DEC Id: 9291100078  
Emission Unit Id: EI0001  
Process Id: E01EI  
Contaminant Name/cas: PM25-PRI  
Epa Control Code: Not reported  
Contol Eff: Not reported  
Emissions: 0.35853852  
Unit: TON

**A8  
WNW  
< 1/8  
90 ft.**

**GLOBE METALLURGICAL INC.  
3807 HIGHLAND AVE  
NIAGARA FALLS, NY 14305**

**AST  
HIST AST  
HIST UST**

**U003317706  
N/A**

**Site 8 of 17 in cluster A**

**Relative:  
Equal**

AST:

**Actual:  
582 ft.**

AST:

Facility Id: 9-120316  
Expiration Date: 12/20/09  
Renewal Date: 05/29/92  
Total Capacity: 12000  
Facility Type: Not reported  
Mailing Company: GLOBE METALLURGICAL INC.  
Mailing Title: Not reported  
Mailing Contact: GREGORY W. SCHOTT  
Mailing Address: P.O. BOX 157  
Mailing Address 2: Not reported  
Mailing City: BEVERLY  
Mailing State: OH  
Mailing Zip Code: 45715  
Mailing Phone No: (740) 984-8687  
Mailing Email: Not reported  
Owner Title: ENVIRONMENTAL MANAGER  
Owner Name: GREGORY SCHOTT  
Owner Address: P.O. BOX 157  
Owner Address 2: Not reported  
Owner State: OH  
Owner Zip Code: 45715  
Owner Phone: (740) 984-8687  
Owner Company: GLOBE METALLURGICAL INC.  
Emergency Contact: GREGORY SCHOTT  
Emergency Phone: (716) 284-0146  
Operator: GREGORY SCHOTT  
Operator Phone: (740) 984-8687  
Owner City: BEVERLY  
Owner Sub Type: Corporate or Commercial  
Program Type: PBS

Tank Number: 005  
Tank Location Name: Aboveground - in contact with soil  
Tank Status: In Service  
Tank Model: Not reported  
Pipe Model: Not reported  
Active Status: Active



Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation    Site

MAP FINDINGS

Database(s)  
 EDR ID Number  
 EPA ID Number

**GLOBE METALLURGICAL INC. (Continued)**

**U003317706**

Install Date:	10/01/95
Capacity Gallons:	10000
Material Name:	Diesel
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	Aboveground
Pipe Type Name:	Steel/Carbon Steel/Iron
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	Diking (Aboveground)
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	Automatic Shut-Off
Type Of Overfill Prevention 2:	Product Level Gauge (A/G)
Dispenser Method:	Submersible
Spill Prevention:	Not reported
Tightness Test Method:	Testing Not Required
Date Tested:	/ /
Next Test Date:	/ /
Date Tank Closed:	/ /
Tank Number:	006
Tank Location Name:	Aboveground - in contact with soil
Tank Status:	In Service
Tank Model:	Not reported
Pipe Model:	Not reported
Active Status:	Active
Install Date:	10/01/95
Capacity Gallons:	1000
Material Name:	Gasoline
Percentage:	100.00
Tank Type Name:	Steel/Carbon Steel/Iron
Tank Internal Protection:	None
Tank Internal Protection 1:	None
Tank Internal Protection 2:	Not reported
Pipe Location Name:	No Piping
Pipe Type Name:	No Piping
Pipe External Protection 1:	None
Pipe External Protection 2:	Not reported
Tank Secondary Containment 1:	Diking (Aboveground)
Tank Secondary Containment 2:	Not reported
Pipe Secondary Containment:	Not reported
Tank Leak Detection 1:	None
Tank Leak Detection 2:	Not reported
Pipe Leak Detection 1:	Not reported
Pipe Leak Detection 2:	Not reported
Type Of Overfill Prevention 1:	Automatic Shut-Off
Type Of Overfill Prevention 2:	Product Level Gauge (A/G)
Dispenser Method:	Submersible

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**GLOBE METALLURGICAL INC. (Continued)**

**U003317706**

Spill Prevention: Not reported  
Tightness Test Method: Testing Not Required  
Date Tested: / /  
Next Test Date: / /  
Date Tank Closed: / /

Tank Number: 007  
Tank Location Name: Aboveground - in contact with soil  
Tank Status: In Service  
Tank Model: Not reported  
Pipe Model: Not reported  
Active Status: Active  
Install Date: 10/01/95  
Capacity Gallons: 500  
Material Name: Diesel  
Percentage: 100.00  
Tank Type Name: Steel/Carbon Steel/Iron  
Tank Internal Protection: None  
Tank Internal Protection 1: None  
Tank Internal Protection 2: Not reported  
Pipe Location Name: No Piping  
Pipe Type Name: No Piping  
Pipe External Protection 1: None  
Pipe External Protection 2: Not reported  
Tank Secondary Containment 1: Diking (Aboveground)  
Tank Secondary Containment 2: Not reported  
Pipe Secondary Containment: Not reported  
Tank Leak Detection 1: None  
Tank Leak Detection 2: Not reported  
Pipe Leak Detection 1: Not reported  
Pipe Leak Detection 2: Not reported  
Type Of Overfill Prevention 1: Product Level Gauge (A/G)  
Type Of Overfill Prevention 2: Not reported  
Dispenser Method: Submersible  
Spill Prevention: Not reported  
Tightness Test Method: Testing Not Required  
Date Tested: / /  
Next Test Date: / /  
Date Tank Closed: / /

Tank Number: 008  
Tank Location Name: Aboveground - in contact with soil  
Tank Status: In Service  
Tank Model: Not reported  
Pipe Model: Not reported  
Active Status: Active  
Install Date: 10/01/95  
Capacity Gallons: 500  
Material Name: Waste Oil/Used Oil  
Percentage: 100.00  
Tank Type Name: Steel/Carbon Steel/Iron  
Tank Internal Protection: None  
Tank Internal Protection 1: None  
Tank Internal Protection 2: Not reported  
Pipe Location Name: No Piping

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**GLOBE METALLURGICAL INC. (Continued)**

**U003317706**

Pipe Type Name: No Piping  
Pipe External Protection 1: None  
Pipe External Protection 2: Not reported  
Tank Secondary Containment 1: Diking (Aboveground)  
Tank Secondary Containment 2: Not reported  
Pipe Secondary Containment: Not reported  
Tank Leak Detection 1: None  
Tank Leak Detection 2: Not reported  
Pipe Leak Detection 1: Exempt Suction Piping  
Pipe Leak Detection 2: Not reported  
Type Of Overfill Prevention 1: Product Level Gauge (A/G)  
Type Of Overfill Prevention 2: Not reported  
Dispenser Method: Suction  
Spill Prevention: Not reported  
Tightness Test Method: Testing Not Required  
Date Tested: / /  
Next Test Date: / /  
Date Tank Closed: / /

**HIST AST:**

PBS Number: 9-120316  
SWIS Code: 2911  
Operator: RONALD STIPP  
Facility Phone: (716) 284-0146  
Facility Addr2: Not reported  
Facility Type: MANUFACTURING  
Emergency: RONALD STIPP  
Emergency Tel: (716) 773-3854  
Old PBSNO: Not reported  
Date Inspected: 19960618  
Inspector: BAJ  
Result of Inspection: Not reported  
Owner Name: GLOBE METALLURGICAL INC.  
Owner Address: 6450 ROCKSIDE WOODS BLVD.SOUTH #390  
Owner City,St,Zip: CLEVELAND, OH 44131  
Federal ID: Not reported  
Owner Tel: (216) 328-0145  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: RONALD STIPP  
Mailing Name: GLOBE METALLURGICAL INC.  
Mailing Address: 3807 HIGHLAND AVE.  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NIAGARA FALLS, NY 14305  
Mailing Telephone: (716) 284-0146  
Owner Mark: Third Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
  
Certification Flag: False  
Certification Date: 10/18/1999  
Expiration: 12/20/2004  
Renew Flag: False  
Renew Date: 19920529  
Total Capacity: 12000  
FAMT: True  
Facility Screen: No Missing Data

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**GLOBE METALLURGICAL INC. (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**U003317706**

Owner Screen: No Missing Data  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NIAGARA FALLS (C)  
County Code: 29  
Town or City Code: 11  
Region: 9

Tank ID: 005  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: 19951001  
Capacity (Gal): 10000  
Product Stored: DIESEL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 00  
Pipe Location: Aboveground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: 00  
Tank Containment: 70  
Leak Detection: 00  
Overfill Protection: 34  
Dispenser Method: Submersible  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: 43|07|30 / 79|02|15

Tank ID: 006  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: 19951001  
Capacity (Gal): 1000  
Product Stored: UNLEADED GASOLINE  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 00  
Pipe Location: None  
Pipe Type: NONE  
Pipe Internal: None  
Pipe External: 00  
Tank Containment: 70  
Leak Detection: 00  
Overfill Protection: 34  
Dispenser Method: Submersible  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**GLOBE METALLURGICAL INC. (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**U003317706**

Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: 43|07|30 / 79|02|15

Tank ID: 007  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: 19951001  
Capacity (Gal): 500  
Product Stored: DIESEL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 00  
Pipe Location: None  
Pipe Type: NONE  
Pipe Internal: None  
Pipe External: 00  
Tank Containment: 70  
Leak Detection: 00  
Overfill Protection: 40  
Dispenser Method: Submersible  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: 43|07|30 / 79|02|15

Tank ID: 008  
Tank Location: ABOVEGROUND  
Tank Status: In Service  
Install Date: 19951001  
Capacity (Gal): 500  
Product Stored: USED OIL  
Tank Type: Steel/carbon steel  
Tank Internal: 0  
Tank External: 00  
Pipe Location: None  
Pipe Type: NONE  
Pipe Internal: None  
Pipe External: 00  
Tank Containment: 70  
Leak Detection: 00  
Overfill Protection: 40  
Dispenser Method: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**GLOBE METALLURGICAL INC. (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**U003317706**

Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: 43|07|30 / 79|02|15

**HIST UST:**

PBS Number: 9-120316  
SPDES Number: Not reported  
Emergency Contact: RONALD STIPP  
Emergency Telephone: (716) 773-3854  
Operator: RONALD STIPP  
Operator Telephone: (716) 284-0146  
Owner Name: GLOBE METALLURGICAL INC.  
Owner Address: 6450 ROCKSIDE WOODS BLVD.SOUTH #390  
Owner City,St,Zip: CLEVELAND, OH 44131  
Owner Telephone: (216) 328-0145  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Name: GLOBE METALLURGICAL INC.  
Mailing Address: 3807 HIGHLAND AVE.  
Mailing Address 2: Not reported  
Mailing City,St,Zip: NIAGARA FALLS, NY 14305  
Mailing Contact: RONALD STIPP  
Mailing Telephone: (716) 284-0146  
Owner Mark: Third Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.

Facility Addr2: Not reported  
SWIS ID: 2911  
Old PBS Number: Not reported  
Facility Type: MANUFACTURING  
Inspected Date: 19960618  
Inspector: BAJ  
Inspection Result: Not reported  
Federal ID: Not reported  
Certification Flag: False  
Certification Date: 10/18/1999  
Expiration Date: 12/20/2004  
Renew Flag: False  
Renewal Date: 19920529  
Total Capacity: 12000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NIAGARA FALLS (C)  
County Code: 29  
Town or City: 11  
Region: 9

Tank Id: 1  
Tank Location: UNDERGROUND  
Tank Status: Closed-In Place



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**GLOBE METALLURGICAL INC. (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**U003317706**

Install Date: 19780701  
Capacity (gals): 20000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: None  
Tank External: None  
Pipe Location: Underground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: None  
Second Containment: None  
Leak Detection: 90  
Overfill Prot: None  
Dispenser: Suction  
Date Tested: 03/01/1991  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: 09/01/1995  
Test Method: Petro-Tite  
Deleted: False  
Updated: True  
Lat/long: 43|07|30 / 79|02|15

Tank Id: 2  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: 19780701  
Capacity (gals): 1000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: None  
Tank External: None  
Pipe Location: Underground  
Pipe Type: STEEL/IRON  
Pipe Internal: None  
Pipe External: None  
Second Containment: None  
Leak Detection: 90  
Overfill Prot: None  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: 09/01/1995  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: 43|07|30 / 79|02|15

Tank Id: 3  
Tank Location: UNDERGROUND  
Tank Status: Closed Before April 1, 1991  
Install Date: Not reported  
Capacity (gals): 10000  
Product Stored: NOS 1,2, OR 4 FUEL OIL

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**GLOBE METALLURGICAL INC. (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**U003317706**

Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: Not reported  
Pipe Internal: Not reported  
Pipe External: Not reported  
Second Containment: None  
Leak Detection: None  
Overfill Prot: Not reported  
Dispenser: Submersible  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: False  
Lat/long: 43|07|30 / 79|02|15

Tank Id: 4  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: 19751201  
Capacity (gals): 1000  
Product Stored: UNLEADED GASOLINE  
Tank Type: Steel/carbon steel  
Tank Internal: None  
Tank External: None  
Pipe Location: Underground  
Pipe Type: NONE  
Pipe Internal: None  
Pipe External: None  
Second Containment: None  
Leak Detection: 90  
Overfill Prot: None  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: 09/01/1995  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: 43|07|30 / 79|02|15

**A9  
WNW  
< 1/8  
101 ft.**

**GLOBE METALLURGICAL INC.  
3807 HIGHLAND AVE  
NIAGARA, NY 14305**

**UST U004080749  
N/A**

**Relative:  
Equal**

**Site 9 of 17 in cluster A**

UST:

**Actual:  
582 ft.**

UST:

Facility Id: 9-120316  
Expiration Date: 12/20/09

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**GLOBE METALLURGICAL INC. (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**U004080749**

Renewal Date: 05/29/92  
Total Capacity: 12000  
Facility Type: Not reported  
Mailing Company: GLOBE METALLURGICAL INC.  
Mailing Title: Not reported  
Mailing Contact: GREGORY W. SCHOTT  
Mailing Address: P.O. BOX 157  
Mailing Address 2: Not reported  
Mailing City: BEVERLY  
Mailing State: OH  
Mailing Zip Code: 45715  
Mailing Phone No: (740) 984-8687  
Mailing Email: Not reported  
Owner Title: ENVIRONMENTAL MANAGER  
Owner Name: GREGORY SCHOTT  
Owner Address: P.O. BOX 157  
Owner Address 2: Not reported  
Owner State: OH  
Owner Zip Code: 45715  
Owner Phone: (740) 984-8687  
Owner Company: GLOBE METALLURGICAL INC.  
Emergency Contact: GREGORY SCHOTT  
Emergency Phone: (716) 284-0146  
Operator: GREGORY SCHOTT  
Operator Phone: (740) 984-8687  
Owner City: BEVERLY  
Owner Sub Type: Corporate or Commercial  
Program Type: PBS

Tank Number: 1  
Tank Location Name: Underground  
Tank Status: Closed - In Place  
Tank Model: Not reported  
Pipe Model: Not reported  
Active Status: Inactive  
Install Date: 07/01/78  
Capacity Gallons: 20000  
Material Name: #2 Fuel Oil  
Percentage: 100.00  
Tank Type Name: Steel/Carbon Steel/Iron  
Tank Internal Protection: None  
Tank Internal Protection 1: None  
Tank Internal Protection 2: Not reported  
Pipe Location Name: Underground/On-ground  
Pipe Type Name: Steel/Carbon Steel/Iron  
Pipe External Protection 1: None  
Pipe External Protection 2: Not reported  
Tank Secondary Containment 1: None  
Tank Secondary Containment 2: Not reported  
Pipe Secondary Containment: Not reported  
Tank Leak Detection 1: Other  
Tank Leak Detection 2: Not reported  
Pipe Leak Detection 1: Not reported  
Pipe Leak Detection 2: Not reported  
Type Of Overfill Prevention 1: None  
Type Of Overfill Prevention 2: Not reported  
Dispenser Method: Suction

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**GLOBE METALLURGICAL INC. (Continued)**

**U004080749**

Spill Prevention: Not reported  
Tightness Test Method: Petro-Tite/Petro Comp  
Date Tested: 03/01/91  
Next Test Date: / /  
Date Tank Closed: 09/01/95

Tank Number: 2  
Tank Location Name: Underground  
Tank Status: Closed - Removed  
Tank Model: Not reported  
Pipe Model: Not reported  
Active Status: Inactive  
Install Date: 07/01/78  
Capacity Gallons: 1000  
Material Name: #2 Fuel Oil  
Percentage: 100.00  
Tank Type Name: Steel/Carbon Steel/Iron  
Tank Internal Protection: None  
Tank Internal Protection 1: None  
Tank Internal Protection 2: Not reported  
Pipe Location Name: Underground/On-ground  
Pipe Type Name: Steel/Carbon Steel/Iron  
Pipe External Protection 1: None  
Pipe External Protection 2: Not reported  
Tank Secondary Containment 1: None  
Tank Secondary Containment 2: Not reported  
Pipe Secondary Containment: Not reported  
Tank Leak Detection 1: Other  
Tank Leak Detection 2: Not reported  
Pipe Leak Detection 1: Not reported  
Pipe Leak Detection 2: Not reported  
Type Of Overfill Prevention 1: None  
Type Of Overfill Prevention 2: Not reported  
Dispenser Method: Suction  
Spill Prevention: Not reported  
Tightness Test Method: Testing Not Required  
Date Tested: / /  
Next Test Date: / /  
Date Tank Closed: 09/01/95

Tank Number: 3  
Tank Location Name: Underground  
Tank Status: Closed Prior to Micro Conversion, 03/91  
Tank Model: Not reported  
Pipe Model: Not reported  
Active Status: Inactive  
Install Date: / /  
Capacity Gallons: 10000  
Material Name: #2 Fuel Oil  
Percentage: 100.00  
Tank Type Name: Steel/Carbon Steel/Iron  
Tank Internal Protection: None  
Tank Internal Protection 1: None  
Tank Internal Protection 2: Not reported  
Pipe Location Name: No Piping

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**GLOBE METALLURGICAL INC. (Continued)**

**U004080749**

Pipe Type Name: No Piping  
Pipe External Protection 1: None  
Pipe External Protection 2: Not reported  
Tank Secondary Containment 1: None  
Tank Secondary Containment 2: Not reported  
Pipe Secondary Containment: Not reported  
Tank Leak Detection 1: None  
Tank Leak Detection 2: Not reported  
Pipe Leak Detection 1: Not reported  
Pipe Leak Detection 2: Not reported  
Type Of Overfill Prevention 1: None  
Type Of Overfill Prevention 2: Not reported  
Dispenser Method: Submersible  
Spill Prevention: Not reported  
Tightness Test Method: Testing Not Required  
Date Tested: / /  
Next Test Date: / /  
Date Tank Closed: / /

Tank Number: 4  
Tank Location Name: Underground  
Tank Status: Closed - Removed  
Tank Model: Not reported  
Pipe Model: Not reported  
Active Status: Inactive  
Install Date: 12/01/75  
Capacity Gallons: 1000  
Material Name: Gasoline  
Percentage: 100.00  
Tank Type Name: Steel/Carbon Steel/Iron  
Tank Internal Protection: None  
Tank Internal Protection 1: None  
Tank Internal Protection 2: Not reported  
Pipe Location Name: Underground/On-ground  
Pipe Type Name: No Piping  
Pipe External Protection 1: None  
Pipe External Protection 2: Not reported  
Tank Secondary Containment 1: None  
Tank Secondary Containment 2: Not reported  
Pipe Secondary Containment: Not reported  
Tank Leak Detection 1: Other  
Tank Leak Detection 2: Not reported  
Pipe Leak Detection 1: Not reported  
Pipe Leak Detection 2: Not reported  
Type Of Overfill Prevention 1: None  
Type Of Overfill Prevention 2: Not reported  
Dispenser Method: Suction  
Spill Prevention: Not reported  
Tightness Test Method: Testing Not Required  
Date Tested: / /  
Next Test Date: / /  
Date Tank Closed: 09/01/95

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site Database(s) EDR ID Number  
EPA ID Number

**A10**  
**West**  
**< 1/8**  
**116 ft.**

**CHISM-RIDER**  
**3800 HIGHLAND AVENUE**  
**NIAGARA FALLS, NY**

**LTANKS**  
**HIST LTANKS**  
**S100117703**  
**N/A**

**Site 10 of 17 in cluster A**

**Relative:**  
**Equal**

**LTANKS:**

**Actual:**  
**582 ft.**

Site ID: 125475  
Spill Date: 04/25/89  
Facility Addr2: Not reported  
Facility ID: 8900946  
Program Number: 8900946  
SWIS: 3211  
Region of Spill: 9  
Investigator: COOKE  
Referred To: Not reported  
Reported to Dept: 04/25/89  
CID: 29  
Spill Cause: Tank Failure  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: 07/07/89  
Cleanup Meets Standard: True  
Last Inspection: 07/07/89  
Recommended Penalty: Penalty Not Recommended  
UST Involvement: True  
Spill Class: Not reported  
Spill Closed Dt: 07/07/89  
Remediation Phase: 0  
Date Entered In Computer: 05/01/89  
Spill Record Last Update: 07/11/89  
Spille Namer: Not reported  
Spiller Company: CHISM-RIDER  
Spiller Phone: (716) 285-0188  
Spiller Extention: Not reported  
Spiller Address: 3800 HIGHLAND AVENUE  
Spiller City,St,Zip: NIAGARA FALLS, NY 14305  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 9  
Program Number: 8900946  
DER Facility ID: 108523  
Site ID: 125475  
Operable Unit ID: 927503  
Operable Unit: 01  
Material ID: 452263  
Material Code: 0008  
Material Name: Diesel  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 100.00  
Units: Gallons  
Recovered: 100.00  
Resource Affected: Groundwater  
Oxygenate: False  
Site ID: 125475



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

CHISM-RIDER (Continued)

EDR ID Number  
EPA ID Number

Database(s)

S100117703

Spill Tank Test: 9970  
Tank Number: Not reported  
Tank Size: 0  
Test Method: 00  
Leak Rate: 0.00  
Gross Fail: Not reported  
Modified By: Spills  
Last Modified: 10/01/04  
Test Method: Unknown  
DEC Memo: Start DECRemark - 8900946 Prior to Sept, 2004 data translation this spill Lead  
DEC Field was "JDC" 04/25/89: MJH NOTIFIED NCHD, PAUL DICKY, 04/25/89 1505, HE  
WILL INVESTIGATE. 06/02/89: JDC TELCON W/ MR DAVE CHAPMAN, GEN MGR CHISM-RIDER  
- REQUESTEDCLEANUP RECIEPTS TO CLOSE OUR FILES, HE AGREED TO FORWARD THEM. JDC  
WROTE CONFRIMING LETTER. END DECRemark - 8900946  
Remarks: Start CallerRemark - 8900946 CONTRACTOR FOUND CONTAMINATED SOIL WHILE REMOVING  
TANKS END CallerRemark - 8900946

HIST LTANKS:

Region of Spill: 9  
Spill Number: 8900946  
Investigator: JDC  
Caller Name: Not reported  
Caller Agency: Not reported  
Caller Phone: Not reported  
Caller Extension: Not reported  
Notifier Name: Not reported  
Notifier Agency: Not reported  
Notifier Phone: Not reported  
Notifier Extension: Not reported  
Spill Date: 04/25/1989  
Spill Time: 14:30  
Reported to Department Date: 04/25/89  
Reported to Department Time: 15:00  
SWIS: 29  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
Spiller Name: CHISM-RIDER  
Spiller Address: 3800 HIGHLAND AVENUE  
Spiller City,St,Zip: NIAGARA FALLS, NY 14305  
Facility Contact: Not reported  
Facility Phone: (716) 285-0188  
Facility Extention: Not reported  
Spill Cause: Tank Failure  
Resource Affectd: Groundwater  
Water Affected: Not reported  
Spill Source: Other Commercial/Industrial  
Spill Notifier: Responsible Party  
PBS Number: 9-437050  
Cleanup Ceased: 07/07/89  
Cleanup Meets Standard: True  
Last Inspection: 07/07/89  
Recommended Penalty: Penalty Not Recommended  
Spiller Cleanup Date: / /  
Enforcement Date: / /  
Investigation Complete: / /  
UST Involvement: True

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

CHISM-RIDER (Continued)

EDR ID Number  
EPA ID Number

Database(s)

S100117703

Spill Class: Not reported  
Spill Closed Dt: 07/07/89  
Date Region Sent Summary to Central Office: / /  
Corrective Action Plan Submitted: / /  
Date Spill Entered In Computer Data File: 05/01/89  
Time Spill Entered In Computer Data File: Not reported  
Spill Record Last Update: 07/11/89  
Is Updated: False  
PBS Number: 7-103160  
Tank Number: Not reported  
Tank Size: 0  
Test Method: Not reported  
Leak Rate Failed Tank: 0.00  
Gross Leak Rate: Not reported  
Material Class Type: Petroleum  
Quantity Spilled: 100  
Unkonwn Quantity Spilled: False  
Units: Gallons  
Quantity Recovered: 100  
Unkonwn Quantity Recovered: False  
Material: DIESEL  
Class Type: DIESEL  
Times Material Entry In File: 10625  
CAS Number: Not reported  
Last Date: 19940728  
DEC Remarks: 04/25/89: MJH NOTIFIED NCHD, PAUL DICKY, 04/25/89 1505, HE WILL INVESTIGATE.  
06/02/89: JDC TELCON W/ MR DAVE CHAPMAN, GEN MGR CHISM-RIDER - REQUESTED  
CLEANUP RECIEPTS TO CLOSE OUR FILES, HE AGREED TO FORWARD THEM. JDC WROTE  
CONFRIMING LETTER.  
Spill Cause: CONTRACTOR FOUND CONTAMINATED SOIL WHILE REMOVING TANKS

A11 ROADWAY/OCCIDENTAL  
West 3800 HIGHLAND AVENUE  
< 1/8 NIAGARA FALLS, NY  
116 ft.

NY Spills S104194282  
NY Hist Spills N/A

Site 11 of 17 in cluster A

Relative:  
Equal

Actual:  
582 ft.

NY Spills:  
Site ID: 125476  
Facility Addr2: Not reported  
Facility ID: 9975372  
Spill Number: 9975372  
Facility Type: ER  
SWIS: 3211  
Region of Spill: 9  
Investigator: SACALAND  
Referred To: NIAGARA CNTY HEALTH DEPT  
Spill Date: 08/17/99  
Reported to Dept: 08/23/99  
CID: 29  
Spill Cause: Other  
Water Affected: Not reported  
Spill Source: Commercial Vehicle  
Spill Notifier: Health Department  
Cleanup Ceased: / /  
Cleanup Meets Std: True  
Last Inspection: 08/17/99  
Recommended Penalty: Penalty Not Recommended

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

ROADWAY/OCCIDENTAL (Continued)

EDR ID Number  
EPA ID Number

Database(s)

S104194282

UST Trust: False  
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: 08/27/99  
Remediation Phase: 0  
Date Entered In Computer: 08/23/99  
Spill Record Last Update: 08/31/99  
Spiller Name: PAUL OGIBA  
Spiller Company: ROADWAY TRUCKING  
Spiller Address: Not reported  
Spiller City,St,Zip: NY -  
Spiller Company: 001  
Spiller Phone: (716) 278-7893  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Region: 9  
Program Number: 9975372  
DER Facility ID: 108523  
Site ID: 125476  
Operable Unit ID: 1091527  
Operable Unit: 01  
Material ID: 291893  
Material Code: 0063A  
Material Name: UNKNOWN HAZARDOUS MATERIAL  
Case No.: Not reported  
Material FA: Hazardous Material  
Quantity: 1.00  
Units: Gallons  
Recovered: 1.00  
Resource Affected: Soil  
Oxygenate: False  
DEC Memo: Start DECRemark - 9975372 Prior to Sept, 2004 data translation this spill Lead  
DEC Field was "SAC-NCHD" 08/23/99: SAC TELECON FROM PAUL DICKY WHO REPORTED THE SPILL, SMALL AMOUNT OF SPILLAGE, CLEANED UP BY FIRE DEPT., CONTAMINATED MATERIAL WILL BE DISPOSED THROUGH PLANT'S BULK PICKUP. 08/27/99: SAC RECEIVED NCHD INSPECTION REPORT FROM PAUL DICKY, SPILL CLEANED UP. END  
DECRemark - 9975372  
Remarks: Start CallerRemark - 9975372 MATERIAL SPILLED WAS METHYL ACID PHOSPHATE, OCCURED WHEN DRUM IN BACK OF A TRUCK SHIFTED AND WAS PUNCTURED BY A VAN BOLT. END CallerRemark - 9975372

NY Hist Spills:  
Region of Spill: 9  
Spill Number: 9975372  
Investigator: SAC-NCHD  
Caller Name: Not reported  
Caller Agency: Not reported  
Caller Phone: Not reported  
Notifier Name: Not reported  
Notifier Agency: Not reported  
Notifier Phone: Not reported  
Spill Date/Time: 08/17/1999 15:30  
Reported to Dept Date/Time: 08/23/99 14:51  
SWIS: 29  
Spiller Name: ROADWAY TRUCKING  
Spiller Contact: PAUL OGIBA

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

ROADWAY/OCCIDENTAL (Continued)

S104194282

Spiller Phone: (716) 278-7893  
Spiller Address: Not reported  
Spiller City,St,Zip: NY -  
Spill Cause: Other  
Reported to Dept: On Land  
Water Affected: Not reported  
Spill Source: 07  
Spill Notifier: Health Department  
PBS Number: Not reported  
Cleanup Ceased: / /  
Cleanup Meets Std: True  
Last Inspection: 08/17/99  
Recommended Penalty: Penalty Not Recommended  
Spiller Cleanup Dt: / /  
Enforcement Date: / /  
Invstgn Complete: / /  
UST Involvement: False  
Spill Class: Possible release with minimal potential for fire or hazard or Known  
release with no damage. DEC Response. Willing Responsible Party.  
Corrective action taken.  
Spill Closed Dt: 08/27/99  
Corrective Action Plan Submitted: / /  
Date Region Sent Summary to Central Office: / /  
Date Spill Entered In Computer Data File: 08/23/99  
Date Spill Entered In Computer Data File: 15:02  
Update Date: 08/31/99  
Is Updated: False  
PBS Number: Not reported  
Tank Number: Not reported  
Tank Size: Not reported  
Test Method: Not reported  
Leak Rate Failed Tank: Not reported  
Gross Leak Rate: Not reported  
Material Class Type: Nonpetroleum/Nonhazardous  
Quantity Spilled: 1  
Unkonwn Quantity Spilled: False  
Units: Gallons  
Quantity Recovered: 1  
Unkonwn Quantity Recovered: False  
Material: UNKNOWN HAZARDOUS MATERIAL  
Class Type: UNKNOWN HAZARDOUS MATERIAL  
Times Material Entry In File: 2093  
CAS Number: Not reported  
Last Date: 19940728  
DEC Remarks: 08/23/99: SAC TELECON FROM PAUL DICKY WHO REPORTED THE SPILL, SMALL AMOUNT OF  
SPILLAGE, CLEANED UP BY FIRE DEPT., CONTAMINATED MATERIAL WILL BE DISPOSED  
THROUGH PLANT S BULK PICKUP. 08/27/99: SAC RECEIVED NCHD INSPECTION REPORT  
FROM PAUL DICKY, SPILL CLEANED UP.  
Remark: MATERIAL SPILLED WAS METHYL ACID PHOSPHATE, OCCURED WHEN DRUM IN BACK OF A  
TRUCK SHIFTED AND WAS PUNCTURED BY A VAN BOLT.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site  
Database(s)  
EDR ID Number  
EPA ID Number

**A12**  
**West**  
**< 1/8**  
**123 ft.**

**S K W NEWCO INC**  
**COLLEGE AVE**  
**NIAGARA FALLS, NY 14305**

**RCRA-SQG**  
**FINDS**  
**NY MANIFEST**

**1000101589**  
**NYD000824599**

**Relative:**  
**Equal**

**Site 12 of 17 in cluster A**

**Actual:**  
**582 ft.**

RCRAInfo:

Owner: SKW ALLOYS INC  
(716) 285-1252  
EPA ID: NYD000824599  
Contact: L WINTERSTEEN  
(716) 278-8806

Classification: Conditionally Exempt Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: Not reported  
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)  
Date Violation Determined: 10/11/1991  
Actual Date Achieved Compliance: 01/28/1992

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 10/11/1991  
Penalty Type: Not reported

Regulation Violated: Not reported  
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)  
Date Violation Determined: 01/27/1987  
Actual Date Achieved Compliance: 08/05/1987

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 08/05/1987  
Penalty Type: Final Monetary Penalty

There are 2 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19920128
Non-Financial Record Review	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19870805

**FINDS:**

Other Pertinent Environmental Activity Identified at Site

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

**NY MANIFEST:**

Document ID: NYB4602654  
Manifest Status: Completed copy  
Trans1 State ID: OHT197KB  
Trans2 State ID: Not reported  
Generator Ship Date: 911119

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**S K W NEWCO INC (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1000101589**

Trans1 Recv Date: 911119  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 911121  
Part A Recv Date: Not reported  
Part B Recv Date: 911212  
Generator EPA ID: NYD000824599  
Trans1 EPA ID: OHD053576294  
Trans2 EPA ID: Not reported  
TSDF ID: OHD053576294  
Waste Code: B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB  
Quantity: 01183  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 001  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 088  
Year: 91  
Facility Type: Generator  
EPA ID: NYD000824599  
Facility Name: GLOBE METALLURGICAL  
Facility Address: 3801 HIGHLAND AVENUE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: Not reported  
County: NIAGARA  
Mailing Name: GLOBE METALURGICAL  
Mailing Contact: RONALD STIPP  
Mailing Address: 3807 HIGHLAND AVENUE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: Not reported  
Mailing Phone: 716-286-7125

Document ID: NYB5741343  
Manifest Status: Completed copy  
Trans1 State ID: TS5734  
Trans2 State ID: Not reported  
Generator Ship Date: 941117  
Trans1 Recv Date: 941117  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 941121  
Part A Recv Date: Not reported  
Part B Recv Date: 941201  
Generator EPA ID: NYD000824599  
Trans1 EPA ID: NYD986974244  
Trans2 EPA ID: Not reported  
TSDF ID: NYD080336241  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 01229  
Units: P - Pounds  
Number of Containers: 001  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 100  
Year: 94

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**S K W NEWCO INC (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1000101589**

Facility Type: Generator  
EPA ID: NYD000824599  
Facility Name: GLOBE METALLURGICAL  
Facility Address: 3801 HIGHLAND AVENUE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: Not reported  
County: NIAGARA  
Mailing Name: GLOBE METALURGICAL  
Mailing Contact: RONALD STIPP  
Mailing Address: 3807 HIGHLAND AVENUE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: Not reported  
Mailing Phone: 716-286-7125

Document ID: ARA1138170  
Manifest Status: Completed copy  
Trans1 State ID: H10PC708  
Trans2 State ID: Not reported  
Generator Ship Date: 880510  
Trans1 Recv Date: 880510  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 880512  
Part A Recv Date: 880516  
Part B Recv Date: 880526  
Generator EPA ID: NYD000824599  
Trans1 EPA ID: ARD069748192  
Trans2 EPA ID: Not reported  
TSD ID: ARP000404000  
Waste Code: B004 - PCB ARTICLES WITH 50 PPM BUT < 500 PPM  
Quantity: 01300  
Units: P - Pounds  
Number of Containers: 001  
Container Type: CW - Wooden boxes  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Waste Code: Not reported  
Quantity: 00718  
Units: P - Pounds  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 88

Facility Type: Generator  
EPA ID: NYD000824599  
Facility Name: GLOBE METALLURGICAL  
Facility Address: 3801 HIGHLAND AVENUE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: Not reported  
County: NIAGARA  
Mailing Name: GLOBE METALURGICAL  
Mailing Contact: RONALD STIPP



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**S K W NEWCO INC (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1000101589**

Mailing Address: 3807 HIGHLAND AVENUE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: Not reported  
Mailing Phone: 716-286-7125

Document ID: NYA8307081  
Manifest Status: Completed copy  
Trans1 State ID: 000000000  
Trans2 State ID: 000000000  
Generator Ship Date: 890621  
Trans1 Recv Date: 890621  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 890622  
Part A Recv Date: 890705  
Part B Recv Date: 890712  
Generator EPA ID: NYD000824599  
Trans1 EPA ID: OHD053576294  
Trans2 EPA ID: Not reported  
TSDF ID: OHD053576294  
Waste Code: B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB  
Quantity: 01310  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 088  
Year: 89  
Facility Type: Generator  
EPA ID: NYD000824599  
Facility Name: GLOBE METALLURGICAL  
Facility Address: 3801 HIGHLAND AVENUE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: Not reported  
County: NIAGARA  
Mailing Name: GLOBE METALURGICAL  
Mailing Contact: RONALD STIPP  
Mailing Address: 3807 HIGHLAND AVENUE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: Not reported  
Mailing Phone: 716-286-7125

Document ID: NYA8307099  
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC  
Trans1 State ID: OH-  
Trans2 State ID: Not reported  
Generator Ship Date: 890628  
Trans1 Recv Date: 890628  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 890628  
Part A Recv Date: 890705

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**S K W NEWCO INC (Continued)**

**1000101589**

Part B Recv Date: 890727  
Generator EPA ID: NYD000824599  
Trans1 EPA ID: OHD053576294  
Trans2 EPA ID: Not reported  
TSDF ID: OHD053576294  
Waste Code: B004 - PCB ARTICLES WITH 50 PPM BUT < 500 PPM  
Quantity: 20560  
Units: P - Pounds  
Number of Containers: 001  
Container Type: TP - Tanks, portable  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 89  
Facility Type: Generator  
EPA ID: NYD000824599  
Facility Name: GLOBE METALLURGICAL  
Facility Address: 3801 HIGHLAND AVENUE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: Not reported  
County: NIAGARA  
Mailing Name: GLOBE METALURGICAL  
Mailing Contact: RONALD STIPP  
Mailing Address: 3807 HIGHLAND AVENUE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: Not reported  
Mailing Phone: 716-286-7125

Document ID: NYB2734002  
Manifest Status: Completed copy  
Trans1 State ID: JC9894  
Trans2 State ID: Not reported  
Generator Ship Date: 920819  
Trans1 Recv Date: 920819  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 920820  
Part A Recv Date: Not reported  
Part B Recv Date: 920904  
Generator EPA ID: NYD000824599  
Trans1 EPA ID: NYD067539940  
Trans2 EPA ID: Not reported  
TSDF ID: NYD067539940  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 01000  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 004  
Container Type: DM - Metal drums, barrels  
Handling Method: L Landfill.  
Specific Gravity: 100  
Waste Code: Not reported  
Quantity: 00100  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**S K W NEWCO INC (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1000101589**

Handling Method: L Landfill.  
Specific Gravity: 100  
Year: 92  
Facility Type: Generator  
EPA ID: NYD000824599  
Facility Name: GLOBE METALLURGICAL  
Facility Address: 3801 HIGHLAND AVENUE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: Not reported  
County: NIAGARA  
Mailing Name: GLOBE METALURGICAL  
Mailing Contact: RONALD STIPP  
Mailing Address: 3807 HIGHLAND AVENUE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: Not reported  
Mailing Phone: 716-286-7125  
  
Document ID: NYB2405853  
Manifest Status: Completed copy  
Trans1 State ID: JC9894  
Trans2 State ID: Not reported  
Generator Ship Date: 920819  
Trans1 Recv Date: 920819  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 920820  
Part A Recv Date: Not reported  
Part B Recv Date: 920904  
Generator EPA ID: NYD000824599  
Trans1 EPA ID: NYD067539940  
Trans2 EPA ID: Not reported  
TSD ID: NYD067539940  
Waste Code: B001 - PCB OIL (CONC) FROM TRANS, CAP, ETC  
Quantity: 02724  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 009  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 92  
Facility Type: Generator  
EPA ID: NYD000824599  
Facility Name: GLOBE METALLURGICAL  
Facility Address: 3801 HIGHLAND AVENUE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: Not reported  
County: NIAGARA  
Mailing Name: GLOBE METALURGICAL  
Mailing Contact: RONALD STIPP  
Mailing Address: 3807 HIGHLAND AVENUE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**S K W NEWCO INC (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1000101589**

Mailing Zip4: Not reported  
Mailing Country: Not reported  
Mailing Phone: 716-286-7125

Document ID: NYB2404323  
Manifest Status: Completed copy  
Trans1 State ID: 10733P  
Trans2 State ID: Not reported  
Generator Ship Date: 920820  
Trans1 Recv Date: 920820  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 920820  
Part A Recv Date: Not reported  
Part B Recv Date: 920904  
Generator EPA ID: NYD000824599  
Trans1 EPA ID: NYD980769947  
Trans2 EPA ID: Not reported  
TSDF ID: NYD067539940  
Waste Code: B006 - PCB TRANSFORMERS WITH 500 PPM OR > PCB  
Quantity: 05511  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 002  
Container Type: TP - Tanks, portable  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 92  
Facility Type: Generator  
EPA ID: NYD000824599  
Facility Name: GLOBE METALLURGICAL  
Facility Address: 3801 HIGHLAND AVENUE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: Not reported  
County: NIAGARA  
Mailing Name: GLOBE METALURGICAL  
Mailing Contact: RONALD STIPP  
Mailing Address: 3807 HIGHLAND AVENUE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: Not reported  
Mailing Phone: 716-286-7125

Document ID: NYO2802996  
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC  
Trans1 State ID: 9A-278  
Trans2 State ID: Not reported  
Generator Ship Date: 840628  
Trans1 Recv Date: 840628  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 840628  
Part A Recv Date: 840725  
Part B Recv Date: 840817  
Generator EPA ID: NYD000824599  
Trans1 EPA ID: NYD980769947  
Trans2 EPA ID: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**S K W NEWCO INC (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1000101589**

TSDF ID: NYD049836679  
Waste Code: B011 - PCB CONTAMINATED TRANS CONT >500 PPM  
Quantity: 10240  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DT - Dump trucks  
Handling Method: L Landfill.  
Specific Gravity: 100  
Year: 84  
Facility Type: Generator  
EPA ID: NYD000824599  
Facility Name: GLOBE METALLURGICAL  
Facility Address: 3801 HIGHLAND AVENUE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: Not reported  
County: NIAGARA  
Mailing Name: GLOBE METALURGICAL  
Mailing Contact: RONALD STIPP  
Mailing Address: 3807 HIGHLAND AVENUE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: Not reported  
Mailing Phone: 716-286-7125

Document ID: NYA2325042  
Manifest Status: Completed copy  
Trans1 State ID: S60242NY  
Trans2 State ID: Not reported  
Generator Ship Date: 850426  
Trans1 Recv Date: 850426  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 850426  
Part A Recv Date: 850501  
Part B Recv Date: 850503  
Generator EPA ID: NYD000824599  
Trans1 EPA ID: NYD051809952  
Trans2 EPA ID: Not reported  
TSDF ID: NYD049836679  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 03878  
Units: P - Pounds  
Number of Containers: 013  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Waste Code: Not reported  
Quantity: 09700  
Units: P - Pounds  
Number of Containers: 001  
Container Type: TP - Tanks, portable  
Handling Method: L Landfill.  
Specific Gravity: 138  
Year: 85  
Facility Type: Generator

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**S K W NEWCO INC (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1000101589**

EPA ID: NYD000824599  
Facility Name: GLOBE METALLURGICAL  
Facility Address: 3801 HIGHLAND AVENUE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: Not reported  
County: NIAGARA  
Mailing Name: GLOBE METALURGICAL  
Mailing Contact: RONALD STIPP  
Mailing Address: 3807 HIGHLAND AVENUE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: Not reported  
Mailing Phone: 716-286-7125

Document ID: NYB2734362  
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC  
Trans1 State ID: Not reported  
Trans2 State ID: Not reported  
Generator Ship Date: 901025  
Trans1 Recv Date: 901025  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 901026  
Part A Recv Date: 901109  
Part B Recv Date: 901129  
Generator EPA ID: NYD000824599  
Trans1 EPA ID: NYD067539940  
Trans2 EPA ID: Not reported  
TSDF ID: NYD067539940  
Waste Code: B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB  
Quantity: 03084  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 006  
Container Type: CW - Wooden boxes  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Waste Code: Not reported  
Quantity: 00181  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 004  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 90  
Facility Type: Generator  
EPA ID: NYD000824599  
Facility Name: GLOBE METALLURGICAL  
Facility Address: 3801 HIGHLAND AVENUE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: Not reported  
County: NIAGARA  
Mailing Name: GLOBE METALURGICAL  
Mailing Contact: RONALD STIPP  
Mailing Address: 3807 HIGHLAND AVENUE

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**S K W NEWCO INC (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1000101589**

Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: Not reported  
Mailing Phone: 716-286-7125

Document ID: PAE7919295  
Manifest Status: Not reported  
Trans1 State ID: ILD984908202  
Trans2 State ID: SCD987574647  
Generator Ship Date: 04/22/1999  
Trans1 Recv Date: 04/22/1999  
Trans2 Recv Date: 04/28/1999  
TSD Site Recv Date: 05/07/1999  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD000824599  
Trans1 EPA ID: PAD987367216  
Trans2 EPA ID: Not reported  
TSDF ID: PAAH0172  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00200  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 01.00  
Year: 99  
Facility Type: Generator  
EPA ID: NYD000824599  
Facility Name: GLOBE METALLURGICAL  
Facility Address: 3801 HIGHLAND AVENUE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: Not reported  
County: NIAGARA  
Mailing Name: GLOBE METALURGICAL  
Mailing Contact: RONALD STIPP  
Mailing Address: 3807 HIGHLAND AVENUE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: Not reported  
Mailing Phone: 716-286-7125

Document ID: NYB1258497  
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC  
Trans1 State ID: OHT857BB  
Trans2 State ID: Not reported  
Generator Ship Date: 910517  
Trans1 Recv Date: 910517  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 910518  
Part A Recv Date: 910530  
Part B Recv Date: 910621



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**S K W NEWCO INC (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1000101589**

Generator EPA ID: NYD000824599  
Trans1 EPA ID: OHD053576294  
Trans2 EPA ID: Not reported  
TSDF ID: OHD053576294  
Waste Code: B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB  
Quantity: 21681  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 001  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 088  
Year: 91  
Facility Type: Generator  
EPA ID: NYD000824599  
Facility Name: GLOBE METALLURGICAL  
Facility Address: 3801 HIGHLAND AVENUE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: Not reported  
County: NIAGARA  
Mailing Name: GLOBE METALURGICAL  
Mailing Contact: RONALD STIPP  
Mailing Address: 3807 HIGHLAND AVENUE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: Not reported  
Mailing Phone: 716-286-7125

Document ID: NYB2649195  
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC  
Trans1 State ID: OH153B13  
Trans2 State ID: Not reported  
Generator Ship Date: 910517  
Trans1 Recv Date: 910517  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 910519  
Part A Recv Date: 910530  
Part B Recv Date: 910621  
Generator EPA ID: NYD000824599  
Trans1 EPA ID: OHD053576294  
Trans2 EPA ID: Not reported  
TSDF ID: OHD053576294  
Waste Code: B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB  
Quantity: 04195  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 001  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 088  
Year: 91  
Facility Type: Generator  
EPA ID: NYD000824599  
Facility Name: GLOBE METALLURGICAL  
Facility Address: 3801 HIGHLAND AVENUE  
Facility City: NIAGARA FALLS

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**S K W NEWCO INC (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1000101589**

Facility Zip 4: Not reported  
Country: Not reported  
County: NIAGARA  
Mailing Name: GLOBE METALURGICAL  
Mailing Contact: RONALD STIPP  
Mailing Address: 3807 HIGHLAND AVENUE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: Not reported  
Mailing Phone: 716-286-7125

Document ID: NYA3341766  
Manifest Status: Completed copy  
Trans1 State ID: GA-007  
Trans2 State ID: Not reported  
Generator Ship Date: 871209  
Trans1 Recv Date: 871209  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 871211  
Part A Recv Date: 871222  
Part B Recv Date: 871222  
Generator EPA ID: NYD000824599  
Trans1 EPA ID: GAD981233000  
Trans2 EPA ID: Not reported  
TSDF ID: OHD981100969  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 02700  
Units: P - Pounds  
Number of Containers: 006  
Container Type: DM - Metal drums, barrels  
Handling Method: L Landfill.  
Specific Gravity: 100  
Year: 87  
Facility Type: Generator  
EPA ID: NYD000824599  
Facility Name: GLOBE METALLURGICAL  
Facility Address: 3801 HIGHLAND AVENUE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: Not reported  
County: NIAGARA  
Mailing Name: GLOBE METALURGICAL  
Mailing Contact: RONALD STIPP  
Mailing Address: 3807 HIGHLAND AVENUE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: Not reported  
Mailing Phone: 716-286-7125

Document ID: NYA5497803  
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC  
Trans1 State ID: OH-073  
Trans2 State ID: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**S K W NEWCO INC (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1000101589**

Generator Ship Date: 871117  
Trans1 Recv Date: 871117  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 871118  
Part A Recv Date: 871229  
Part B Recv Date: 871127  
Generator EPA ID: NYD000824599  
Trans1 EPA ID: OHD981954571  
Trans2 EPA ID: Not reported  
TSDF ID: OHD981100969  
Waste Code: B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB  
Quantity: 02285  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 87  
Facility Type: Generator  
EPA ID: NYD000824599  
Facility Name: GLOBE METALLURGICAL  
Facility Address: 3801 HIGHLAND AVENUE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: Not reported  
County: NIAGARA  
Mailing Name: GLOBE METALURGICAL  
Mailing Contact: RONALD STIPP  
Mailing Address: 3807 HIGHLAND AVENUE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: Not reported  
Mailing Phone: 716-286-7125  
  
Document ID: NYB4790718  
Manifest Status: Completed copy  
Trans1 State ID: 11712PNY  
Trans2 State ID: Not reported  
Generator Ship Date: 971016  
Trans1 Recv Date: 971016  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 971017  
Part A Recv Date: 971104  
Part B Recv Date: 971105  
Generator EPA ID: NYD000824599  
Trans1 EPA ID: NYD980769947  
Trans2 EPA ID: Not reported  
TSDF ID: OHD004527008  
Waste Code: B005 - PCB ARTICLES WITH 500 PPM OR > PCB  
Quantity: 14445  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 015  
Container Type: CW - Wooden boxes  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**S K W NEWCO INC (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1000101589**

Waste Code: Not reported  
Quantity: 00258  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 97  
Facility Type: Generator  
EPA ID: NYD000824599  
Facility Name: GLOBE METALLURGICAL  
Facility Address: 3801 HIGHLAND AVENUE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: Not reported  
County: NIAGARA  
Mailing Name: GLOBE METALURGICAL  
Mailing Contact: RONALD STIPP  
Mailing Address: 3807 HIGHLAND AVENUE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: Not reported  
Mailing Phone: 716-286-7125

**A13**  
**West**  
**< 1/8**  
**123 ft.**

**SKW ALLOYS INC.**  
**3801 HIGHLAND AVENUE**  
**NIAGARA FALLS, NY 14305**

**NY MANIFEST** **1009228106**  
**N/A**

**Site 13 of 17 in cluster A**

**Relative:**  
**Equal**

NY MANIFEST:  
No Manifest Records Available

**Actual:**  
**582 ft.**

**A14**  
**West**  
**< 1/8**  
**123 ft.**

**CHRISHOLM-RYDER**  
**3800 HIGHLAND AVE.**  
**NIAGARA FALLS, NY 14305**

**HSWDS** **S108147072**  
**N/A**

**Site 14 of 17 in cluster A**

**Relative:**  
**Equal**

HSWDS:  
Facility ID: Not reported  
Region: 9  
Facility Status: Unknown  
Owner Type: Puplic  
Owner: 3800 Highland Inc.  
Owner Address: 3800 Highland Ave.  
Owner Phone: Unknown  
Operator Type: Puplic  
Operator: Same  
Operator: Same  
Operator Phone: Same  
EPA ID: None  
Registry: D  
Registry Site ID: 932009

**Actual:**  
**582 ft.**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

CHRISHOLM-RYDER (Continued)

EDR ID Number  
EPA ID Number

Database(s)

S108147072

RCRA Permitted: Unknown  
Site Code: 3B  
Owner City State: Niagara Falls, NY 14305  
Operator City State: Not reported  
Quadrangle: Niagara Falls 7.5  
Latitude: 43 07'22"N  
Longitude: 79 02'41"W  
Acres: 20.00  
Operator Date: 1985  
Close Date: 1986  
Completed: Phase 2  
Active: No  
PCB's Disposed: No  
Pesticides Disposed: No  
Metals Disposed: Yes  
Asbestos Disposed: No  
Volatile Organic Compounds Disposed: Yes  
Semi Volatile Organic Compounds Disposed: No  
Analytical Info Exists for Air: Air  
Analytical Info Exists for Ground: Groundwater  
Analytical Info Exists for Surface: Not reported  
Analytical Info Exists for Sediments: Not reported  
Analytical Info Exists for Surface: Surface Soil  
Analytical Info Exists for Substance: Not reported  
Analytical Info Exists for Waste: Waste  
Analytical Info Exists for Leachate: Not reported  
Analytical Info Exists for EP Toxicity: EPTox  
Analytical Info Exists for TCLP: Not reported  
Threat to Environment/Public Health: None  
Surface Water Contamination: Unknown  
Surface Water Body Class: Unknown  
Groundwater Contamination: Yes  
Groundwater Classification: Unknown  
Drinking Water Contamination: No  
Drinking Water Supply is Active: Unknown  
Any Known Fish or Wildlife: Unknown  
Hazardous Exposure: Unknown  
Site Has Controlled Access: No  
Ambient Air Contamination: No  
Direct Contact: Yes  
EPA Hazardous Ranking System Score: 12.45  
Inventory: F  
Nefrap: Not reported  
Mailing: Not reported  
Tax Map No: Not reported  
Qualify: 0  
Next Action: Not reported  
Agencies: Not reported  
Air: Not reported  
Building: Not reported  
Site Desc: Not reported  
Drink: Not reported  
Eptox: Not reported  
Fish: Not reported  
Ground: Not reported  
Ground Desc: Not reported  
Hazardous Threat: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

CHRISHOLM-RYDER (Continued)

EDR ID Number  
EPA ID Number

Database(s)

S108147072

Haz Threat Desc: Not reported  
Leachate: Not reported  
Preparer: Not reported  
Sediment: Not reported  
Soil: Not reported  
Surface: Not reported  
Status: Not reported  
Surface Soil: Not reported  
Surface: Not reported  
TCLP: Not reported  
Waste: Not reported

A15  
West  
< 1/8  
123 ft.

**US VANADIUM**  
**3801 HIGHLAND AVE**  
**NIAGARA FALLS, NY 14305**

CERC-NFRAP 1003863952  
NYD980535413

Relative:  
Equal

Site 15 of 17 in cluster A

CERC-NFRAP:  
Site ID: 0202108  
Federal Facility: Not a Federal Facility  
NPL Status: Not on the NPL  
Non NPL Status: NFRAP

Actual:  
582 ft.

CERCLIS-NFRAP Site Alias Name(s):  
Alias Name: S K W INDUSTRIES  
Alias Address: 3801 HIGHLAND AVE.  
NIAGARA FALLS, NY 14301  
Site Description: Not reported

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY  
Date Started: Not reported  
Date Completed: 07/25/1987  
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT  
Date Started: 08/25/1987  
Date Completed: 09/02/1987  
Priority Level: Low

Action: SITE INSPECTION  
Date Started: 09/21/1988  
Date Completed: 09/28/1988  
Priority Level: NFRAP (No Further Remedial Action Planned)

Action: ARCHIVE SITE  
Date Started: Not reported  
Date Completed: 09/28/1988  
Priority Level: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**A16**  
**West**  
**< 1/8**  
**123 ft.**

**SKW ALLOYS, INC.**  
**3801 HIGHLAND AVENUE**  
**NIAGARA FALLS, NY 14305**

**NY MANIFEST**

**1009230696**  
**N/A**

**Relative:**  
**Equal**

**Site 16 of 17 in cluster A**

NY MANIFEST:

No Manifest Records Available

**Actual:**  
**582 ft.**

**A17**  
**West**  
**< 1/8**  
**123 ft.**

**SKW ALLOYS SLF**  
**3801 HIGHLAND AVE**  
**NIAGARA FALLS, NY 14305**

**SWF/LF**

**S101650791**  
**N/A**

**Relative:**  
**Equal**

**Site 17 of 17 in cluster A**

SWF/LF:

**Actual:**  
**582 ft.**

Flag: INACTIVE  
Secondary Addr: Not reported  
Region Code: 9  
Phone Number: 7162851252  
Owner Name: SKW ALLOYS  
Owner Type: Private  
Owner Address: 3801 HIGHLANDS AVE  
Owner Addr2: Not reported  
Owner City,St,Zip: NIAGARA, NY 14305  
Owner Email: Not reported  
Owner Phone: Not reported  
Contact Name: Not reported  
Contact Address: Not reported  
Contact Addr2: Not reported  
Contact City,St,Zip: Not reported  
Contact Email: Not reported  
Contact Phone: Not reported  
Activity Desc: Landfill - industrial/commercial  
Activity Number: 32N04  
Active: No  
East Coordinate: 171324  
North Coordinate: 4782097  
Accuracy Code: Not reported  
Regulatory Status: None  
Waste Type: Not reported  
Authorization #: None  
Authorization Date: Not reported  
Expiration Date: Not reported

**B18**  
**WSW**  
**< 1/8**  
**208 ft.**

**NIAGARA FALLS CITY OF**  
**COLLEGE AVE & HIGHLAND AVE**  
**NIAGARA FALLS, NY 14305**

**RCRA-SQG**  
**FINDS**  
**NY MANIFEST**

**1000694040**  
**NYD987003092**

**Relative:**  
**Equal**

**Site 1 of 4 in cluster B**

**Actual:**  
**582 ft.**



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

NIAGARA FALLS CITY OF (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1000694040

RCRAInfo:

Owner: CITY OF NIAGARA FALLS  
(716) 286-4453  
EPA ID: NYD987003092  
Contact: Not reported  
Classification: Small Quantity Generator  
TSDF Activities: Not reported  
Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site

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

NY MANIFEST:

Document ID: NYB1838250  
Manifest Status: Completed copy  
Trans1 State ID: NY54424D  
Trans2 State ID: Not reported  
Generator Ship Date: 920604  
Trans1 Recv Date: 920604  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 920604  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD987003092  
Trans1 EPA ID: NYD982792814  
Trans2 EPA ID: Not reported  
TSDF ID: NYD080336241  
Waste Code: D008 - LEAD 5.0 MG/L TCLP  
Quantity: 00900  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 100  
Year: 92  
Facility Type: Generator  
EPA ID: NYD987003092  
Facility Name: NIAGARA FALLS CITY OF  
Facility Address: COLLEGE AVE & HIGHLAND AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: Not reported  
County: NIAGARA  
Mailing Name: NIAGARA FALLS CITY OF

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation    Site

MAP FINDINGS

Database(s)  
 EDR ID Number  
 EPA ID Number

NIAGARA FALLS CITY OF (Continued)

1000694040

Mailing Contact: JOSEPH FORGIONE  
 Mailing Address: 745 MAIN STREET  
 Mailing City: NIAGARA FALLS  
 Mailing State: NY  
 Mailing Zip: 14303  
 Mailing Zip4: Not reported  
 Mailing Country: Not reported  
 Mailing Phone: 716-286-4453

Document ID: NYB4807098  
 Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC  
 Trans1 State ID: 7388735OH  
 Trans2 State ID: Not reported  
 Generator Ship Date: 920904  
 Trans1 Recv Date: 920904  
 Trans2 Recv Date: Not reported  
 TSD Site Recv Date: 920918  
 Part A Recv Date: Not reported  
 Part B Recv Date: 921019  
 Generator EPA ID: NYD987003092  
 Trans1 EPA ID: OHD987012838  
 Trans2 EPA ID: Not reported  
 TSDF ID: UTD981552177  
 Waste Code: D008 - LEAD 5.0 MG/L TCLP  
 Quantity: 03400  
 Units: K - Kilograms (2.2 pounds)  
 Number of Containers: 017  
 Container Type: DM - Metal drums, barrels  
 Handling Method: B Incineration, heat recovery, burning.  
 Specific Gravity: 100  
 Waste Code: Not reported  
 Quantity: 00750  
 Units: K - Kilograms (2.2 pounds)  
 Number of Containers: 003  
 Container Type: DM - Metal drums, barrels  
 Handling Method: B Incineration, heat recovery, burning.  
 Specific Gravity: 100  
 Year: 92  
 Facility Type: Generator  
 EPA ID: NYD987003092  
 Facility Name: NIAGARA FALLS CITY OF  
 Facility Address: COLLEGE AVE & HIGHLAND AVE  
 Facility City: NIAGARA FALLS  
 Facility Zip 4: Not reported  
 Country: Not reported  
 County: NIAGARA  
 Mailing Name: NIAGARA FALLS CITY OF  
 Mailing Contact: JOSEPH FORGIONE  
 Mailing Address: 745 MAIN STREET  
 Mailing City: NIAGARA FALLS  
 Mailing State: NY  
 Mailing Zip: 14303  
 Mailing Zip4: Not reported  
 Mailing Country: Not reported  
 Mailing Phone: 716-286-4453

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**B19**  
**WSW**  
**< 1/8**  
**208 ft.**

**3800 HIGHLAND, INC.**  
**COLLEGE & HIGHLAND AVE.**  
**NIAGARA FALLS, NY 14305**

**Site 2 of 4 in cluster B**

**Relative:**  
**Equal**

UST:

**Actual:**  
**582 ft.**

UST:

Facility Id: 9-437050  
Expiration Date: 06/28/93  
Renewal Date: / /  
Total Capacity: 0  
Facility Type: Not reported  
Mailing Company: UNIPUNCH PRODUCTS  
Mailing Title: Not reported  
Mailing Contact: Not reported  
Mailing Address: 370 BABCOCK ST.  
Mailing Address 2: Not reported  
Mailing City: BUFFALO  
Mailing State: NY  
Mailing Zip Code: 14240  
Mailing Phone No: (716) 825-7960  
Mailing Email: Not reported  
Owner Title: Not reported  
Owner Name: Not reported  
Owner Address: 370 BABCOCK ST.  
Owner Address 2: Not reported  
Owner State: NY  
Owner Zip Code: 14240  
Owner Phone: (716) 825-7960  
Owner Company: UNIPUNCH PRODUCTS  
Emergency Contact: DONALD E. CHAPMAN  
Emergency Phone: (716) 285-0365  
Operator: 3800 HIGHLAND INC.  
Operator Phone: (716) 285-0365  
Owner City: BUFFALO  
Owner Sub Type: Corporate or Commercial  
Program Type: PBS

Tank Number: 001  
Tank Location Name: Underground  
Tank Status: Closed - Removed  
Tank Model: Not reported  
Pipe Model: Not reported  
Active Status: Inactive  
Install Date: / /  
Capacity Gallons: 7500  
Material Name: Gasoline  
Percentage: 100.00  
Tank Type Name: Steel/Carbon Steel/Iron  
Tank Internal Protection: None  
Tank Internal Protection 1: None  
Tank Internal Protection 2: Not reported  
Pipe Location Name: No Piping  
Pipe Type Name: Steel/Carbon Steel/Iron  
Pipe External Protection 1: None  
Pipe External Protection 2: Not reported  
Tank Secondary Containment 1: None  
Tank Secondary Containment 2: Not reported

**UST**  
**AST**  
**HIST AST**  
**HIST UST**

**U003318246**  
**N/A**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)    EDR ID Number  
EPA ID Number

**3800 HIGHLAND, INC. (Continued)**

**U003318246**

Pipe Secondary Containment: Not reported  
Tank Leak Detection 1: None  
Tank Leak Detection 2: Not reported  
Pipe Leak Detection 1: Not reported  
Pipe Leak Detection 2: Not reported  
Type Of Overfill Prevention 1: None  
Type Of Overfill Prevention 2: Not reported  
Dispenser Method: Not reported  
Spill Prevention: Not reported  
Tightness Test Method: Testing Not Required  
Date Tested: / /  
Next Test Date: / /  
Date Tank Closed: 04/01/89

Tank Number: 002  
Tank Location Name: Underground  
Tank Status: Closed - Removed  
Tank Model: Not reported  
Pipe Model: Not reported  
Active Status: Inactive  
Install Date: / /  
Capacity Gallons: 10000  
Material Name: #2 Fuel Oil  
Percentage: 100.00  
Tank Type Name: Steel/Carbon Steel/Iron  
Tank Internal Protection: None  
Tank Internal Protection 1: None  
Tank Internal Protection 2: Not reported  
Pipe Location Name: No Piping  
Pipe Type Name: Steel/Carbon Steel/Iron  
Pipe External Protection 1: None  
Pipe External Protection 2: Not reported  
Tank Secondary Containment 1: None  
Tank Secondary Containment 2: Not reported  
Pipe Secondary Containment: Not reported  
Tank Leak Detection 1: None  
Tank Leak Detection 2: Not reported  
Pipe Leak Detection 1: Not reported  
Pipe Leak Detection 2: Not reported  
Type Of Overfill Prevention 1: None  
Type Of Overfill Prevention 2: Not reported  
Dispenser Method: Not reported  
Spill Prevention: Not reported  
Tightness Test Method: Testing Not Required  
Date Tested: / /  
Next Test Date: / /  
Date Tank Closed: 04/01/89

Tank Number: 003  
Tank Location Name: Underground  
Tank Status: Closed - Removed  
Tank Model: Not reported  
Pipe Model: Not reported  
Active Status: Inactive  
Install Date: / /

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**3800 HIGHLAND, INC. (Continued)**

**U003318246**

Capacity Gallons: 10000  
Material Name: Gasoline  
Percentage: 100.00  
Tank Type Name: Steel/Carbon Steel/Iron  
Tank Internal Protection: None  
Tank Internal Protection 1: None  
Tank Internal Protection 2: Not reported  
Pipe Location Name: No Piping  
Pipe Type Name: Steel/Carbon Steel/Iron  
Pipe External Protection 1: None  
Pipe External Protection 2: Not reported  
Tank Secondary Containment 1: None  
Tank Secondary Containment 2: Not reported  
Pipe Secondary Containment: Not reported  
Tank Leak Detection 1: None  
Tank Leak Detection 2: Not reported  
Pipe Leak Detection 1: Not reported  
Pipe Leak Detection 2: Not reported  
Type Of Overfill Prevention 1: None  
Type Of Overfill Prevention 2: Not reported  
Dispenser Method: Not reported  
Spill Prevention: Not reported  
Tightness Test Method: Testing Not Required  
Date Tested: / /  
Next Test Date: / /  
Date Tank Closed: 04/01/89

Tank Number: 004  
Tank Location Name: Underground  
Tank Status: Closed - Removed  
Tank Model: Not reported  
Pipe Model: Not reported  
Active Status: Inactive  
Install Date: / /  
Capacity Gallons: 2000  
Material Name: #2 Fuel Oil  
Percentage: 100.00  
Tank Type Name: Steel/Carbon Steel/Iron  
Tank Internal Protection: None  
Tank Internal Protection 1: None  
Tank Internal Protection 2: Not reported  
Pipe Location Name: No Piping  
Pipe Type Name: Steel/Carbon Steel/Iron  
Pipe External Protection 1: None  
Pipe External Protection 2: Not reported  
Tank Secondary Containment 1: None  
Tank Secondary Containment 2: Not reported  
Pipe Secondary Containment: Not reported  
Tank Leak Detection 1: None  
Tank Leak Detection 2: Not reported  
Pipe Leak Detection 1: Not reported  
Pipe Leak Detection 2: Not reported  
Type Of Overfill Prevention 1: None  
Type Of Overfill Prevention 2: Not reported  
Dispenser Method: Not reported  
Spill Prevention: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**3800 HIGHLAND, INC. (Continued)**

**U003318246**

Tightness Test Method: Testing Not Required  
Date Tested: / /  
Next Test Date: / /  
Date Tank Closed: 04/01/89

AST:

AST:

Facility Id: 9-437050  
Expiration Date: 06/28/93  
Renewal Date: / /  
Total Capacity: 0  
Facility Type: Not reported  
Mailing Company: UNIPUNCH PRODUCTS  
Mailing Title: Not reported  
Mailing Contact: Not reported  
Mailing Address: 370 BABCOCK ST.  
Mailing Address 2: Not reported  
Mailing City: BUFFALO  
Mailing State: NY  
Mailing Zip Code: 14240  
Mailing Phone No: (716) 825-7960  
Mailing Email: Not reported  
Owner Title: Not reported  
Owner Name: Not reported  
Owner Address: 370 BABCOCK ST.  
Owner Address 2: Not reported  
Owner State: NY  
Owner Zip Code: 14240  
Owner Phone: (716) 825-7960  
Owner Company: UNIPUNCH PRODUCTS  
Emergency Contact: DONALD E. CHAPMAN  
Emergency Phone: (716) 285-0365  
Operator: 3800 HIGHLAND INC.  
Operator Phone: (716) 285-0365  
Owner City: BUFFALO  
Owner Sub Type: Corporate or Commercial  
Program Type: PBS  
  
Tank Number: 005  
Tank Location Name: Aboveground - in contact with soil  
Tank Status: Closed - Removed  
Tank Model: Not reported  
Pipe Model: Not reported  
Active Status: Inactive  
Install Date: / /  
Capacity Gallons: 1650  
Material Name: #2 Fuel Oil  
Percentage: 100.00  
Tank Type Name: Steel/Carbon Steel/Iron  
Tank Internal Protection: None  
Tank Internal Protection 1: None  
Tank Internal Protection 2: Not reported  
Pipe Location Name: No Piping  
Pipe Type Name: Steel/Carbon Steel/Iron  
Pipe External Protection 1: None  
Pipe External Protection 2: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**3800 HIGHLAND, INC. (Continued)**

**U003318246**

Tank Secondary Containment 1: None  
Tank Secondary Containment 2: Not reported  
Pipe Secondary Containment: Not reported  
Tank Leak Detection 1: None  
Tank Leak Detection 2: Not reported  
Pipe Leak Detection 1: Not reported  
Pipe Leak Detection 2: Not reported  
Type Of Overfill Prevention 1: None  
Type Of Overfill Prevention 2: Not reported  
Dispenser Method: Not reported  
Spill Prevention: Not reported  
Tightness Test Method: Testing Not Required  
Date Tested: / /  
Next Test Date: / /  
Date Tank Closed: 04/01/89

**HIST AST:**

PBS Number: 9-437050  
SWIS Code: 2911  
Operator: 3800 HIGHLAND INC.  
Facility Phone: (716) 285-0365  
Facility Addr2: Not reported  
Facility Type: MANUFACTURING  
Emergency: DONALD E. CHAPMAN  
Emergency Tel: (716) 285-0365  
Old PBSNO: Not reported  
Date Inspected: Not reported  
Inspector: Not reported  
Result of Inspection: Not reported  
Owner Name: UNIPUNCH PRODUCTS  
Owner Address: 370 BABCOCK ST.  
Owner City,St,Zip: BUFFALO, NY 14240  
Federal ID: Not reported  
Owner Tel: (716) 825-7960  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Contact: Not reported  
Mailing Name: UNIPUNCH PRODUCTS  
Mailing Address: 370 BABCOCK ST.  
Mailing Address 2: Not reported  
Mailing City,St,Zip: BUFFALO, NY 14240  
Mailing Telephone: (716) 825-7960  
Owner Mark: First Owner  
Facility Status: 2 - Unregulated by PBS (the total capacity is less than 1,101 gallons)  
and Subpart 360-14.  
Certification Flag: False  
Certification Date: 06/28/1988  
Expiration: 06/28/1993  
Renew Flag: False  
Renew Date: Not reported  
Total Capacity: 0  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: 0  
Dead Letter: False  
CBS Number: Not reported



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**3800 HIGHLAND, INC. (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**U003318246**

Town or City: NIAGARA FALLS (C)  
County Code: 29  
Town or City Code: 11  
Region: 9  
  
Tank ID: 005  
Tank Location: ABOVEGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
Capacity (Gal): 1650  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Tank Containment: None  
Leak Detection: 0  
Overfill Protection: Not reported  
Dispenser Method: Gravity  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 04/01/1989  
Test Method: Not reported  
Deleted: False  
Updated: True  
SPDES Number: Not reported  
Lat/Long: Not reported

**HIST UST:**

PBS Number: 9-437050  
SPDES Number: Not reported  
Emergency Contact: DONALD E. CHAPMAN  
Emergency Telephone: (716) 285-0365  
Operator: 3800 HIGHLAND INC.  
Operator Telephone: (716) 285-0365  
Owner Name: UNIPUNCH PRODUCTS  
Owner Address: 370 BABCOCK ST.  
Owner City,St,Zip: BUFFALO, NY 14240  
Owner Telephone: (716) 825-7960  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Name: UNIPUNCH PRODUCTS  
Mailing Address: 370 BABCOCK ST.  
Mailing Address 2: Not reported  
Mailing City,St,Zip: BUFFALO, NY 14240  
Mailing Contact: Not reported  
Mailing Telephone: (716) 825-7960  
Owner Mark: First Owner  
Facility Status: 2 - Unregulated by PBS (the total capacity is less than 1,101 gallons)  
and Subpart 360-14.  
Facility Addr2: Not reported  
SWIS ID: 2911  
Old PBS Number: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**3800 HIGHLAND, INC. (Continued)**

**U003318246**

Facility Type: MANUFACTURING  
Inspected Date: Not reported  
Inspector: Not reported  
Inspection Result: Not reported  
Federal ID: Not reported  
Certification Flag: False  
Certification Date: 06/28/1988  
Expiration Date: 06/28/1993  
Renew Flag: False  
Renewal Date: Not reported  
Total Capacity: 0  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: Minor Data Missing  
Tank Screen: 0  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NIAGARA FALLS (C)  
County Code: 29  
Town or City: 11  
Region: 9

Tank Id: 001  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
Capacity (gals): 7500  
Product Stored: LEADED GASOLINE  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Second Containment: None  
Leak Detection: None  
Overfill Prot: Not reported  
Dispenser: Gravity  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 04/01/1989  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 002  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
Capacity (gals): 10000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**3800 HIGHLAND, INC. (Continued)**

**U003318246**

Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Second Containment: None  
Leak Detection: None  
Overfill Prot: Not reported  
Dispenser: Gravity  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 04/01/1989  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 003  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
Capacity (gals): 10000  
Product Stored: LEADED GASOLINE  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON  
Pipe Internal: Not reported  
Pipe External: Not reported  
Second Containment: None  
Leak Detection: None  
Overfill Prot: Not reported  
Dispenser: Gravity  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 04/01/1989  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 004  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: Not reported  
Capacity (gals): 2000  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Tank Type: Steel/carbon steel  
Tank Internal: Not reported  
Tank External: Not reported  
Pipe Location: Not reported  
Pipe Type: STEEL/IRON

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

3800 HIGHLAND, INC. (Continued)

EDR ID Number  
EPA ID Number

Database(s)

U003318246

Pipe Internal: Not reported  
Pipe External: Not reported  
Second Containment: None  
Leak Detection: None  
Overfill Prot: Not reported  
Dispenser: Gravity  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: Minor Data Missing  
Date Closed: 04/01/1989  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

B20  
WSW  
< 1/8  
208 ft.

CITY OF NIAGARA FALLS  
COLLEGE / HIGHLAND  
NIAGARA FALLS, NY

LTANKS  
HIST LTANKS

S105054102  
N/A

Site 3 of 4 in cluster B

Relative:  
Equal

Actual:  
582 ft.

LTANKS:  
Site ID: 308449  
Spill Date: 02/27/92  
Facility Addr2: Not reported  
Facility ID: 9112192  
Program Number: 9112192  
SWIS: 3211  
Region of Spill: 9  
Investigator: COOKE  
Referred To: Not reported  
Reported to Dept: 02/27/92  
CID: Not reported  
Spill Cause: Tank Failure  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: 10/01/92  
Cleanup Meets Standard: True  
Last Inspection: 03/03/92  
Recommended Penalty: Penalty Not Recommended  
UST Involvement: True  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: 10/01/92  
Remediation Phase: 0  
Date Entered In Computer: 03/12/92  
Spill Record Last Update: 10/05/92  
Spille Namer: Not reported  
Spiller Company: CITY OF NIAGARA FALLS  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
Spiller Address: 745 MAIN STREET  
Spiller City,St,Zip: NIAGARA FALLS, NY 14302  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

CITY OF NIAGARA FALLS (Continued)

EDR ID Number  
EPA ID Number

Database(s)

S105054102

DEC Region: 9  
Program Number: 9112192  
DER Facility ID: 249081  
Site ID: 308449  
Operable Unit ID: 965789  
Operable Unit: 01  
Material ID: 417174  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0.00  
Units: Gallons  
Recovered: 0.00  
Resource Affected: Groundwater  
Oxygenate: False  
Site ID: Not reported  
Spill Tank Test: Not reported  
Tank Number: Not reported  
Tank Size: Not reported  
Test Method: Not reported  
Leak Rate: Not reported  
Gross Fail: Not reported  
Modified By: Not reported  
Last Modified: Not reported  
Test Method: Not reported  
DEC Memo: Start DECRemark - 9112192 Prior to Sept, 2004 data translation this spill Lead  
DEC Field was "JDC" 03/04/92: 7 TANKS HAVE BEEN FOUND AND REMOVED CONTAMINATED  
SOIL STOCKPILED FOR DISPOSAL EXCAVATION APPEARS CLEAN R. BUZELLI NCHD ON SITE.  
10/01/92: JDC RECIEVED DISPOSAL RECORDS AND FOUND INFORMATION SATISFACTORY. NO  
FURTHER ACTION REQUIRED. END DECRemark - 9112192  
Remarks: Start CallerRemark - 9112192 ABANDONED TANKS REMOVED BY CITY, NOTIFIED BY  
CONTRACTOR END CallerRemark - 9112192

HIST LTANKS:  
Region of Spill: 9  
Spill Number: 9112192  
Investigator: JDC  
Caller Name: Not reported  
Caller Agency: Not reported  
Caller Phone: Not reported  
Caller Extension: Not reported  
Notifier Name: Not reported  
Notifier Agency: Not reported  
Notifier Phone: Not reported  
Notifier Extension: Not reported  
Spill Date: 02/27/1992  
Spill Time: 10:00  
Reported to Department Date: 02/27/92  
Reported to Department Time: 11:00  
SWIS: 29  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extension: Not reported  
Spiller Name: CITY OF NIAGARA FALLS  
Spiller Address: 745 MAIN STREET  
Spiller City,St,Zip: NIAGARA FALLS, NY 14302

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**CITY OF NIAGARA FALLS (Continued)**

**S105054102**

Facility Contact:	Not reported
Facility Phone:	Not reported
Facility Extension:	Not reported
Spill Cause:	Tank Failure
Resource Affectd:	Groundwater
Water Affected:	Not reported
Spill Source:	Other Commercial/Industrial
Spill Notifier:	Other
PBS Number:	Not reported
Cleanup Ceased:	10/01/92
Cleanup Meets Standard:	True
Last Inspection:	03/03/92
Recommended Penalty:	Penalty Not Recommended
Spiller Cleanup Date:	/ /
Enforcement Date:	/ /
Investigation Complete:	/ /
UST Involvement:	True
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.
Spill Closed Dt:	10/01/92
Date Region Sent Summary to Central Office:	/ /
Corrective Action Plan Submitted:	/ /
Date Spill Entered In Computer Data File:	03/12/92
Time Spill Entered In Computer Data File:	Not reported
Spill Record Last Update:	10/05/92
Is Updated:	False
PBS Number:	Not reported
Tank Number:	Not reported
Tank Size:	Not reported
Test Method:	Not reported
Leak Rate Failed Tank:	Not reported
Gross Leak Rate:	Not reported
Material Class Type:	Petroleum
Quantity Spilled:	0
Unkonwn Quantity Spilled:	False
Units:	Gallons
Quantity Recovered:	0
Unkonwn Quantity Recovered:	False
Material:	GASOLINE
Class Type:	GASOLINE
Times Material Entry In File:	21329
CAS Number:	Not reported
Last Date:	19940929
DEC Remarks:	03/04/92: 7 TANKS HAVE BEEN FOUND AND REMOVED CONTAMINATED SOIL STOCKPILED FOR DISPOSAL EXCAVATION APPEARS CLEAN R. BUZELLI NCHD ON SITE. 10/01/92: JDC RECIEVED DISPOSAL RECORDS AND FOUND INFORMATION SATISFACTORY. NO FURTHER ACTION REQUIRED.
Spill Cause:	ABANDONED TANKS REMOVED BY CITY, NOTIFIED BY CONTRACTOR

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**B21**  
**WSW**  
**< 1/8**  
**208 ft.**

**GLOBE METALLURGICAL**  
**COLLEGE AV / HIGHLAND AV**  
**NIAGARA FALLS, NY**

**NY Spills**

EDR ID Number  
EPA ID Number

**S106004967**  
**N/A**

**Relative:**  
**Equal**

**Site 4 of 4 in cluster B**

**Actual:**  
**582 ft.**

NY Spills:

Site ID: 85334  
Facility Addr2: Not reported  
Facility ID: 0203266  
Spill Number: 0203266  
Facility Type: ER  
SWIS: 3211  
Region of Spill: 9  
Investigator: SACALAND  
Referred To: NIAGARA CNTY HEALTH DEPT  
Spill Date: 06/26/02  
Reported to Dept: 06/26/02  
CID: 266  
Spill Cause: Unknown  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Fire Department  
Cleanup Ceased: / /  
Cleanup Meets Std: True  
Last Inspection: 06/26/02  
Recommended Penalty: Penalty Not Recommended  
UST Trust: False  
Spill Class: No spill occurred. No DEC Response. No corrective action required.  
Spill Closed Dt: 06/27/02  
Remediation Phase: 0  
Date Entered In Computer: 06/26/02  
Spill Record Last Update: 06/27/02  
Spiller Name: Not reported  
Spiller Company: GLOBE METALLURGICAL  
Spiller Address: COLLEGE AV & HIGHLAND AV  
Spiller City,St,Zip: NIAGARA FALLS, NY  
Spiller Company: 001  
Spiller Phone: Not reported  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Region: 9  
Program Number: 0203266  
DER Facility ID: 78408  
Site ID: 85334  
Operable Unit ID: 854090  
Operable Unit: 01  
Material ID: 521096  
Material Code: 0063A  
Material Name: UNKNOWN HAZARDOUS MATERIAL  
Case No.: Not reported  
Material FA: Hazardous Material  
Quantity: 0.00  
Units: Gallons  
Recovered: 0.00  
Resource Affected: Air  
Oxygenate: False  
DEC Memo: Start DECRemark - 0203266 Prior to Sept, 2004 data translation this spill Lead  
DEC Field was "SAC-NCHD" 6/27/02: SAC SPOKE TO MARK HANS - DUTY OFFICER, HE



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**GLOBE METALLURGICAL (Continued)**

**S106004967**

Remarks: CONTACTED PAUL DICKY, NCHD TO RESPOND TO THE INCIDENT, MR. DICKY INSPECTED SITE LAST NIGHT AND WILL BE SENDING IN REPORT FOR DIV OF AIR TODAY, SINCE THIS WAS AN AIR RELEASE SAC GAVE COPY OF REPORT TO LARRY B. SITZMAN - DIV OF AIR, NO FURTHER WORK REQUIRED BY SPILLS. END DEC  
Remark - 0203266  
Start CallerRemark - 0203266 HEAVY BLUE SMOKE IS COMING FROM THE PLANT. THIS SMOKE DOES NOT APPEAR TO BE THE USUAL OUTPUT THAT COMES FROM THE PLANT. CALLER BELIEVES IT MAY BE SOME KIND OF VENTILATION PROBLEM IN THE PLANT. END  
CallerRemark - 0203266

**C22**  
**West**  
**< 1/8**  
**315 ft.**

**DRAIN DOCTOR THE**  
**1401 COLLEGE AVE**  
**NIAGARA FALLS, NY 14305**

**RCRA-SQG**  
**FINDS**  
**SWF/LF**  
**NY Spills**  
**NY Hist Spills**

**1001818285**  
**NYR000078196**

**Relative:**  
**Equal**

**Site 1 of 2 in cluster C**

**Actual:**  
**582 ft.**

RCRAInfo:  
Owner: JOHN BRUNDAGE  
(716) 285-6383  
EPA ID: NYR000078196  
Contact: JOHN BRUNDAGE  
(716) 285-6383  
Classification: Small Quantity Generator  
TSDF Activities: Not reported  
Violation Status: No violations found

**FINDS:**  
Other Pertinent Environmental Activity Identified at Site

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

**SWF/LF:**

Flag: INACTIVE  
Secondary Addr: Not reported  
Region Code: 9  
Phone Number: 0  
Owner Name: Not reported  
Owner Type: Not reported  
Owner Address: Not reported  
Owner Addr2: Not reported  
Owner City,St,Zip: Not reported  
Owner Email: Not reported  
Owner Phone: Not reported  
Contact Name: Mark Seider; P.E.  
Contact Address: Clear Water Environmental Services; Inc.  
Contact Addr2: 1401 College Avenue  
Contact City,St,Zip: Niagara Falls, NY 14305  
Contact Email: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**DRAIN DOCTOR THE (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1001818285**

Contact Phone: Not reported  
Activity Desc: Transfer station - regulated  
Activity Number: 32T07  
Active: No  
East Coordinate: 170765  
North Coordinate: 4782291  
Accuracy Code: 4.2 - Utilization of GIS and existing spatial data  
Regulatory Status: Permit  
Waste Type: Industrial  
Authorization #: 9-2911-00207/00005  
Authorization Date: 3/25/2005  
Expiration Date: 9/30/2007

**NY Spills:**

Site ID: 286064  
Facility Addr2: Not reported  
Facility ID: 9804654  
Spill Number: 9804654  
Facility Type: ER  
SWIS: 3211  
Region of Spill: 9  
Investigator: LEARY  
Referred To: Not reported  
Spill Date: 07/01/98  
Reported to Dept: 07/07/98  
CID: 29  
Spill Cause: Unknown  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: / /  
Cleanup Meets Std: False  
Last Inspection: 07/14/98  
Recommended Penalty: Penalty Not Recommended  
UST Trust: False  
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. No DEC Response. No corrective action required.  
  
Spill Closed Dt: 07/20/98  
Remediation Phase: 0  
Date Entered In Computer: 07/14/98  
Spill Record Last Update: 04/19/99  
Spiller Name: CARL FELLOWS  
Spiller Company: DRAIN DOCTOR  
Spiller Address: 1401 COLLEGE AVENUE  
Spiller City,St,Zip: NIAGARA FALLS, NY 14305-001  
Spiller Phone: (716) 285-6380  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Region: 9  
Program Number: 9804654  
DER Facility ID: 231854  
Site ID: 286064  
Operable Unit ID: 1065529  
Operable Unit: 01  
Material ID: 319373

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DRAIN DOCTOR THE (Continued)**

**1001818285**

Material Code: 0064A  
Material Name: UNKNOWN MATERIAL  
Case No.: Not reported  
Material FA: Other  
Quantity: 0.00  
Units: Gallons  
Recovered: 0.00  
Resource Affected: Soil  
Oxygenate: False  
DEC Memo: Start DECRemark - 9804654 Prior to Sept, 2004 data translation this spill Lead  
DEC Field was "RNL" 07/08/98: RNL INSPECTION, MET CARL FELLOWS, CHECKED SITE,  
PARKING AREA AND GARAGE FOR INDUSTRIAL USE, ONE AREA OF SAMPLE RESULTS FROM SS1  
WERE TOO HIGH FOR INACTIVE STATUS, THEY AGREED TO RESAMPLE THIS AREA FOR TCLP  
(TWO SAMPLES), ONE NEAR SURFACE AND ON THREE FEET DOWN, OTHER SOIL SAMPLE AREAS  
WERE OK FOR INACTIVE STATUS, NO GW SAMPLING 07/20/98: SAC TELECON CARL  
FELLOWS, RECEIVED LATEST SAMPLE RESULTS, ALL PARAMETERS WERE BQL, DRAFTED "I"  
LETTER PER RNL REQUEST. END DECRemark - 9804654  
Remarks: Start CallerRemark - 9804654 SITE ASSESSMENT FOUND CONTAMINATION END  
CallerRemark - 9804654

**NY Hist Spills:**

Region of Spill: 9  
Spill Number: 9804654  
Investigator: RNL  
Caller Name: Not reported  
Caller Agency: Not reported  
Caller Phone: Not reported  
Notifier Name: Not reported  
Notifier Agency: Not reported  
Notifier Phone: Not reported  
Spill Date/Time: 07/01/1998 12:00  
Reported to Dept Date/Time: 07/07/98 12:00  
SWIS: 29  
Spiller Name: DRAIN DOCTOR  
Spiller Contact: CARL FELLOWS  
Spiller Phone: (716) 285-6380  
Spiller Address: 1401 COLLEGE AVENUE  
Spiller City,St,Zip: NIAGARA FALLS, NY 14305-  
Spill Cause: Unknown  
Reported to Dept: On Land  
Water Affected: Not reported  
Spill Source: 01  
Spill Notifier: Responsible Party  
PBS Number: Not reported  
Cleanup Ceased: / /  
Cleanup Meets Std: False  
Last Inspection: 07/14/98  
Recommended Penalty: Penalty Not Recommended  
Spiller Cleanup Dt: / /  
Enforcement Date: / /  
Invstgn Complete: / /  
UST Involvement: False  
Spill Class: Possible release with minimal potential for fire or hazard or Known  
release with no damage. No DEC Response. No corrective action  
required.  
Spill Closed Dt: 07/20/98  
Corrective Action Plan Submitted: / /

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**DRAIN DOCTOR THE (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1001818285**

Date Region Sent Summary to Central Office: / /  
Date Spill Entered In Computer Data File: 07/14/98  
Date Spill Entered In Computer Data File: Not reported  
Update Date: 04/19/99  
Is Updated: False  
PBS Number: Not reported  
Tank Number: Not reported  
Tank Size: Not reported  
Test Method: Not reported  
Leak Rate Failed Tank: Not reported  
Gross Leak Rate: Not reported  
Material Class Type: Raw Sewage  
Quantity Spilled: 0  
Unkonwn Quantity Spilled: True  
Units: Gallons  
Quantity Recovered: 0  
Unkonwn Quantity Recovered: False  
Material: UNKNOWN MATERIAL  
Class Type: UNKNOWN MATERIAL  
Times Material Entry In File: 9140  
CAS Number: Not reported  
Last Date: 19941109  
DEC Remarks: 07/08/98: RNL INSPECTION, MET CARL FELLOWS, CHECKED SITE, PARKING AREA AND GARAGE FOR INDUSTRIAL USE, ONE AREA OF SAMPLE RESULTS FROM SS1 WERE TOO HIGH FOR INACTIVE STATUS, THEY AGREED TO RESAMPLE THIS AREA FOR TCLP TWO SAMPLES), ONE NEAR SURFACE AND ON THREE FEET DOWN, OTHER SOIL SAMPLE AREAS WERE OK FOR INACTIVE STATUS, NO GW SAMPLING 07/20/98: SAC TELECON CARL FELLOWS, RECEIVED LATEST SAMPLE RESULTS, ALL PARAMETERS WERE BQL, DRAFTED I LETTER PER RNL REQUEST.  
Remark: SITE ASSESSMENT FOUND CONTAMINATION

**C23 J A BRUNDAGE/DRAIN DOCTOR**  
**West 1401 COLLEGE AVE**  
**< 1/8 NIAGARA FALLS, NY 14305**  
**315 ft.**

**NY MANIFEST 1009231072**  
**N/A**

**Relative: Site 2 of 2 in cluster C**

**Equal** NY MANIFEST:  
No Manifest Records Available

**Actual:**  
**582 ft.**

**24 UNITY PARK-PARKLAND CO NYS URBAN DEV**  
**WSW COLLEGE ST HIGHLAND AVE**  
**< 1/8 NIAGARA FALLS, NY 14305**  
**439 ft.**

**RCRA-SQG 1000423284**  
**FINDS NYD980642706**

**Relative:**  
**Equal**

**Actual:**  
**582 ft.**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

UNITY PARK-PARKLAND CO NYS URBAN DEV (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1000423284

RCRAInfo:

Owner: NEW YORK STATE URBAN DEVELOPMENT CORP  
(212) 555-1212  
EPA ID: NYD980642706  
Contact: ROBERT SCHULTZ  
(716) 454-4420

Classification: Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

FINDS:

Other Pertinent Environmental Activity Identified at Site

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

D25  
SW  
< 1/8  
491 ft.

UNION CARBIDE  
3645 HIGHLAND AVENUE  
NIAGARA FALLS, NY

NY Spills S103562027  
NY Hist Spills N/A

Site 1 of 5 in cluster D

Relative:  
Equal

Actual:  
582 ft.

NY Spills:  
Site ID: 209827  
Facility Addr2: Not reported  
Facility ID: 8604968  
Spill Number: 8604968  
Facility Type: ER  
SWIS: 3211  
Region of Spill: 9  
Investigator: MJHINTON  
Referred To: Not reported  
Spill Date: 11/05/86  
Reported to Dept: 11/05/86  
CID: 29  
Spill Cause: Other  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: 05/27/87  
Cleanup Meets Std: True  
Last Inspection: 04/07/87  
Recommended Penalty: Penalty Not Recommended  
UST Trust: False  
Spill Class: Not reported  
Spill Closed Dt: 05/27/87  
Remediation Phase: 0  
Date Entered In Computer: 11/10/86

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)    EDR ID Number  
EPA ID Number

**UNION CARBIDE (Continued)**

**S103562027**

Spill Record Last Update: 05/28/87  
Spiller Name: Not reported  
Spiller Company: UNION CARBIDE  
Spiller Address: 3625 HIGHLAND AVENUE  
Spiller City,St,Zip: NAIGARA FALLS, N. Y., ZZ  
Spiller Company: 001  
Spiller Phone: (716) 278-3541  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Region: 9  
Program Number: 8604968  
DER Facility ID: 173953  
Site ID: 209827  
Operable Unit ID: 902166  
Operable Unit: 01  
Material ID: 474188  
Material Code: 0001  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0.00  
Units: Not reported  
Recovered: 0.00  
Resource Affected: Groundwater  
Oxygenate: False  
DEC Memo: Start DECRemark - 8604968 Prior to Sept, 2004 data translation this spill Lead  
DEC Field was "MJH" / / : TELECON 11/05/86, SPILLER SAMPLED SOIL, RESULTS  
INDICATED NON-PCB OIL. / / : MJH & J. DEVALD MEETING WITH M. BALENT,  
SUBMITTED REPORT FOR CLEANUP SCHEDULED TO BE COMPLETED BY JUNE 1987,  
ACCEPTABLE. / / : MJH ON SITE MEETING W/ M. BALANT & CONSULTANTS WORK TO  
BEGIN 4/20/87 WASTE APPROVED TO BFI. / / : CLEANUP WORK BEGAN 4/20/87 PER  
J. DEVALD CLEANUP WORK PROCEEDING SATISFACTORILY 60% COMPLETE. / / :  
CONTAMINATED SOIL SATISFACTORILY REMOVED AND DISPOSED OF NO FURTHER WORK  
REQUIRED. END DECRemark - 8604968  
Remarks: Start CallerRemark - 8604968 CONTAMINATED SOIL FROM PREVIOUS OPERATIONS END  
CallerRemark - 8604968

NY Hist Spills:  
Region of Spill: 9  
Spill Number: 8604968  
Investigator: MJH  
Caller Name: Not reported  
Caller Agency: Not reported  
Caller Phone: Not reported  
Notifier Name: Not reported  
Notifier Agency: Not reported  
Notifier Phone: Not reported  
Spill Date/Time: 11/05/1986 09:50  
Reported to Dept Date/Time: 11/05/86 09:50  
SWIS: 29  
Spiller Name: UNION CARBIDE  
Spiller Contact: Not reported  
Spiller Phone: (716) 278-3541  
Spiller Address: 3625 HIGHLAND AVENUE  
Spiller City,St,Zip: NAIGARA FALLS, N. Y.  
Spill Cause: Other  
Reported to Dept: Groundwater

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

UNION CARBIDE (Continued)

S103562027

Water Affected: Not reported  
Spill Source: 01  
Spill Notifier: Responsible Party  
PBS Number: Not reported  
Cleanup Ceased: 05/27/87  
Cleanup Meets Std: True  
Last Inspection: 04/07/87  
Recommended Penalty: Penalty Not Recommended  
Spiller Cleanup Dt: / /  
Enforcement Date: / /  
Invstgn Complete: / /  
UST Involvement: False  
Spill Class: Not reported  
Spill Closed Dt: 05/27/87  
Corrective Action Plan Submitted: / /  
Date Region Sent Summary to Central Office: / /  
Date Spill Entered In Computer Data File: 11/10/86  
Date Spill Entered In Computer Data File: Not reported  
Update Date: 05/28/87  
Is Updated: False  
PBS Number: Not reported  
Tank Number: Not reported  
Tank Size: Not reported  
Test Method: Not reported  
Leak Rate Failed Tank: Not reported  
Gross Leak Rate: Not reported  
Material Class Type: Petroleum  
Quantity Spilled: 0  
Unkonwn Quantity Spilled: False  
Units: Not reported  
Quantity Recovered: 0  
Unkonwn Quantity Recovered: False  
Material: #2 FUEL OIL  
Class Type: #2 FUEL OIL  
Times Material Entry In File: 24464  
CAS Number: Not reported  
Last Date: 19941207  
DEC Remarks: / / : TELECON 11/05/86, SPILLER SAMPLED SOIL, RESULTS INDICATED NON-PCB OIL. / / : MJH J. DEVALD MEETING WITH M. BALENT, SUBMITTED REPORT FOR CLEANUP SCHEDULED TO BE COMPLETED BY JUNE 1987, ACCEPTABLE. / / : MJH ON SITE MEETING W/ M.BALANT CONSULTANTS WORK TO BEGIN 4/20/87 WASTE APPROVED TO BFI. / / : CLEANUP WORK BEGAN 4/20/87 PER J. DEVALD CLEANUP WORK PROCEEDING SATISFACTORILY 60 COMPLETE. / / : CONTAMINATED SOIL SATISFACTORILY REMOVED AND DISPOSED OF NO FURTHERWORK REQUIRED.  
Remark: CONTAMINATED SOIL FROM PREVIOUS OPERATIONS

E26            HAZORB  
East           1731 COLLEGE AVENUE  
< 1/8        NIAGARA FALLS, NY  
543 ft.

NY Spills    S106018520  
N/A

Site 1 of 3 in cluster E

Relative:  
Equal        NY Spills:  
              Site ID:            156540  
Actual:  
582 ft.       Facility Addr2:       Not reported  
              Facility ID:        0375325  
              Spill Number:     0375325  
              Facility Type:     ER

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

HAZORB (Continued)

EDR ID Number  
EPA ID Number

Database(s)

S106018520

SWIS: 3211  
Region of Spill: 9  
Investigator: SACALAND  
Referred To: NIAGARA CNTY HEALTH DEPT  
Spill Date: 09/29/03  
Reported to Dept: 09/29/03  
CID: Not reported  
Spill Cause: Deliberate  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Local Agency  
Cleanup Ceased: / /  
Cleanup Meets Std: True  
Last Inspection: 04/06/04  
Recommended Penalty: Penalty Not Recommended  
UST Trust: False  
Spill Class: No spill occurred. No DEC Response. No corrective action required.  
Spill Closed Dt: 04/12/04  
Remediation Phase: 0  
Date Entered In Computer: 09/29/03  
Spill Record Last Update: 04/12/04  
Spiller Name: Not reported  
Spiller Company: NONE  
Spiller Address: Not reported  
Spiller City,St,Zip: NY  
Spiller Company: 999  
Spiller Phone: Not reported  
Contact Name: PAT METZGER  
Contact Phone: (716) 286-4462  
DEC Region: 9  
Program Number: 0375325  
DER Facility ID: 132486  
Site ID: 156540  
Operable Unit ID: 882210  
Operable Unit: 01  
Material ID: 494518  
Material Code: 0008  
Material Name: Diesel  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 3.00  
Units: Gallons  
Recovered: 0.00  
Resource Affected: Soil  
Oxygenate: False  
DEC Memo: Start DECRemark - 0375325 Prior to Sept, 2004 data translation this spill Lead  
DEC Field was "SAC-NCHD" 12/16/03:SAC TELECON PAUL DICKY, NCHD - MR. DICKY  
BELIEVES THIS COMPLAINT IS BEING HANDLED BY NF POLICE, HE WILL FOLLOW UP WITH  
PAT METZGER TO DETERMINE THE STATUS. 1/30/04:MEETING W/NCHD - PAUL DICKY  
TRIED TO FOLLOWUP W/CITY BUT PAT METZGER NO LONGER WORKS FOR CITY, MR. DICKY  
CALLED URS WHICH IS THE CONTRACTOR FOR THE SITE, AND DISCUSSED SITE, SITE IS  
LOCKED UP AND W/SNOW CANNOT INSPECT,WILL INSPECT IN SPRING. 4/9/04:RECEIVED  
NCHD INSPECTION REPORT FROM PAUL DICKY, NO SPILL AREA OBSERVED, NO FURTHER WORK  
REQUIRED. END DECRemark - 0375325  
Remarks: Start CallerRemark - 0375325 CALLER INDICATED THAT SITE IS A SITE THAT IS BEING  
CLEANED UP BY THE EPA. SAID THAT SITE IS NEARLY COMPLETE AND ALLEGED THAT  
WORKERS DOING WORK AT THE ADJOINING PROPERTY (NIAGARA VEST) PULLED HEAVY



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

HAZORB (Continued)

EDR ID Number  
EPA ID Number

Database(s)

S106018520

EQUIPMENT ONTO THE SITE AND SPILLED APPROXIMATELY 3 GALS. OF DIESEL FUEL TO THE GROUND. SITUATION APPEARS TO BE DELIBERATE, AND CALLER IS CONTACTING NIAGARA FALLS P.D. AS WELL. END CallerRemark - 0375325

E27  
East  
< 1/8  
543 ft.

HAZSORB SITE-USEPA  
1731 COLLEGE AVE  
NIAGARA FALLS, NY 14305

FINDS  
RCRA-LQG  
NY MANIFEST  
1001493590  
NYR000074732

Relative:  
Equal

Site 2 of 3 in cluster E

FINDS:  
Other Pertinent Environmental Activity Identified at Site

Actual:  
582 ft.

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities, and financial information.

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

RCRAInfo:

Owner: CITY OF NIAGARA FALLS  
(716) 286-4467  
EPA ID: NYR000074732  
Contact: CHRISTOPHER SCHMIDT  
(716) 286-8800

Classification: Large Quantity Generator  
TSDF Activities: Not reported

Violation Status: No violations found

NY MANIFEST:

Document ID: NYG2785149  
Manifest Status: Not reported  
Trans1 State ID: PAD987347515  
Trans2 State ID: Not reported  
Generator Ship Date: 07/24/2003  
Trans1 Recv Date: 07/24/2003  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 07/24/2003  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000074732  
Trans1 EPA ID: NYD049836679  
Trans2 EPA ID: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

HAZSORB SITE-USEPA (Continued)

1001493590

TSDF ID: XW11316PA  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 04899  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 001  
Container Type: DT - Dump trucks  
Handling Method: L Landfill.  
Specific Gravity: 01.00  
Year: 03  
Facility Type: Generator  
EPA ID: NYR000074732  
Facility Name: USEPA REGION II HAZSORB  
Facility Address: 1731 COLLEGE AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: USA  
County: ERIE  
Mailing Name: USEPA REGION II HAZSORB  
Mailing Contact: GREG DEANGELIS  
Mailing Address: 2890 WOODBRIDGE AVE BLDG 209  
Mailing City: EDISON  
Mailing State: NJ  
Mailing Zip: 08837  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 732-689-0008

Document ID: NYG2785158  
Manifest Status: Not reported  
Trans1 State ID: PAD987347515  
Trans2 State ID: Not reported  
Generator Ship Date: 07/24/2003  
Trans1 Recv Date: 07/24/2003  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 07/24/2003  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000074732  
Trans1 EPA ID: NYD049836679  
Trans2 EPA ID: Not reported  
TSDF ID: XS46075PA  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 05216  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 001  
Container Type: DT - Dump trucks  
Handling Method: L Landfill.  
Specific Gravity: 01.00  
Year: 03  
Facility Type: Generator  
EPA ID: NYR000074732  
Facility Name: USEPA REGION II HAZSORB  
Facility Address: 1731 COLLEGE AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: USA  
County: ERIE

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

HAZSORB SITE-USEPA (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1001493590

Mailing Name: USEPA REGION II HAZSORB  
Mailing Contact: GREG DEANGELIS  
Mailing Address: 2890 WOODBRIDGE AVE BLDG 209  
Mailing City: EDISON  
Mailing State: NJ  
Mailing Zip: 08837  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 732-689-0008

Document ID: NYG2785167  
Manifest Status: Not reported  
Trans1 State ID: PAD987347515  
Trans2 State ID: Not reported  
Generator Ship Date: 07/24/2003  
Trans1 Recv Date: 07/24/2003  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 07/25/2003  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000074732  
Trans1 EPA ID: NYD049836679  
Trans2 EPA ID: Not reported  
TSDF ID: XW87033PA  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 10542  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 001  
Container Type: DT - Dump trucks  
Handling Method: L Landfill.  
Specific Gravity: 01.00  
Year: 03  
Facility Type: Generator  
EPA ID: NYR000074732  
Facility Name: USEPA REGION II HAZSORB  
Facility Address: 1731 COLLEGE AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: USA  
County: ERIE  
Mailing Name: USEPA REGION II HAZSORB  
Mailing Contact: GREG DEANGELIS  
Mailing Address: 2890 WOODBRIDGE AVE BLDG 209  
Mailing City: EDISON  
Mailing State: NJ  
Mailing Zip: 08837  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 732-689-0008

Document ID: NYG2785185  
Manifest Status: Not reported  
Trans1 State ID: NYD986969947  
Trans2 State ID: Not reported  
Generator Ship Date: 07/28/2003  
Trans1 Recv Date: 07/28/2003  
Trans2 Recv Date: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

HAZSORB SITE-USEPA (Continued)

1001493590

TSD Site Recv Date: 07/28/2003  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000074732  
Trans1 EPA ID: NYD049836679  
Trans2 EPA ID: Not reported  
TSD ID: 2950B7NY  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 05489  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 001  
Container Type: DT - Dump trucks  
Handling Method: L Landfill.  
Specific Gravity: 01.00  
Year: 03  
Facility Type: Generator  
EPA ID: NYR000074732  
Facility Name: USEPA REGION II HAZSORB  
Facility Address: 1731 COLLEGE AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: USA  
County: ERIE  
Mailing Name: USEPA REGION II HAZSORB  
Mailing Contact: GREG DEANGELIS  
Mailing Address: 2890 WOODBRIDGE AVE BLDG 209  
Mailing City: EDISON  
Mailing State: NJ  
Mailing Zip: 08837  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 732-689-0008

Document ID: NYG2785194  
Manifest Status: Not reported  
Trans1 State ID: NYD986969947  
Trans2 State ID: Not reported  
Generator Ship Date: 07/28/2003  
Trans1 Recv Date: 07/28/2003  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 07/28/2003  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000074732  
Trans1 EPA ID: NYD049836679  
Trans2 EPA ID: Not reported  
TSD ID: 2938B7NY  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 04110  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 001  
Container Type: DT - Dump trucks  
Handling Method: L Landfill.  
Specific Gravity: 01.00  
Year: 03  
Facility Type: Generator  
EPA ID: NYR000074732

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

HAZSORB SITE-USEPA (Continued)

1001493590

Facility Name: USEPA REGION II HAZSORB  
Facility Address: 1731 COLLEGE AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: USA  
County: ERIE  
Mailing Name: USEPA REGION II HAZSORB  
Mailing Contact: GREG DEANGELIS  
Mailing Address: 2890 WOODBRIDGE AVE BLDG 209  
Mailing City: EDISON  
Mailing State: NJ  
Mailing Zip: 08837  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 732-689-0008

Document ID: NYG2785266  
Manifest Status: Not reported  
Trans1 State ID: NYD986969947  
Trans2 State ID: Not reported  
Generator Ship Date: 07/28/2003  
Trans1 Recv Date: 07/28/2003  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 07/28/2003  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000074732  
Trans1 EPA ID: NYD049836679  
Trans2 EPA ID: Not reported  
TSDF ID: 2938B7NY  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 06759  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 001  
Container Type: DT - Dump trucks  
Handling Method: L Landfill.  
Specific Gravity: 01.00  
Year: 03  
Facility Type: Generator  
EPA ID: NYR000074732  
Facility Name: USEPA REGION II HAZSORB  
Facility Address: 1731 COLLEGE AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: USA  
County: ERIE  
Mailing Name: USEPA REGION II HAZSORB  
Mailing Contact: GREG DEANGELIS  
Mailing Address: 2890 WOODBRIDGE AVE BLDG 209  
Mailing City: EDISON  
Mailing State: NJ  
Mailing Zip: 08837  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 732-689-0008

Document ID: NYG2785635

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

HAZSORB SITE-USEPA (Continued)

1001493590

Manifest Status: Not reported  
Trans1 State ID: NYD046765574  
Trans2 State ID: Not reported  
Generator Ship Date: 07/18/2003  
Trans1 Recv Date: 07/18/2003  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 07/21/2003  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000074732  
Trans1 EPA ID: NYD049836679  
Trans2 EPA ID: Not reported  
TSD ID: 225B8NY  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 06759  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 001  
Container Type: DT - Dump trucks  
Handling Method: L Landfill.  
Specific Gravity: 01.00  
Year: 03  
Facility Type: Generator  
EPA ID: NYR000074732  
Facility Name: USEPA REGION II HAZSORB  
Facility Address: 1731 COLLEGE AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: USA  
County: ERIE  
Mailing Name: USEPA REGION II HAZSORB  
Mailing Contact: GREG DEANGELIS  
Mailing Address: 2890 WOODBRIDGE AVE BLDG 209  
Mailing City: EDISON  
Mailing State: NJ  
Mailing Zip: 08837  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 732-689-0008

Document ID: NYG2785644  
Manifest Status: Not reported  
Trans1 State ID: NYD046765574  
Trans2 State ID: Not reported  
Generator Ship Date: 07/18/2003  
Trans1 Recv Date: 07/18/2003  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 07/22/2003  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000074732  
Trans1 EPA ID: NYD049836679  
Trans2 EPA ID: Not reported  
TSD ID: AD16492NY  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 07294  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 001

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

HAZSORB SITE-USEPA (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1001493590

Container Type: DT - Dump trucks  
Handling Method: L Landfill.  
Specific Gravity: 01.00  
Year: 03  
Facility Type: Generator  
EPA ID: NYR000074732  
Facility Name: USEPA REGION II HAZSORB  
Facility Address: 1731 COLLEGE AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: USA  
County: ERIE  
Mailing Name: USEPA REGION II HAZSORB  
Mailing Contact: GREG DEANGELIS  
Mailing Address: 2890 WOODBRIDGE AVE BLDG 209  
Mailing City: EDISON  
Mailing State: NJ  
Mailing Zip: 08837  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 732-689-0008

Document ID: NYG2785653  
Manifest Status: Not reported  
Trans1 State ID: NYD046765574  
Trans2 State ID: Not reported  
Generator Ship Date: 07/18/2003  
Trans1 Recv Date: 07/18/2003  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 07/21/2003  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000074732  
Trans1 EPA ID: NYD049836679  
Trans2 EPA ID: Not reported  
TSDF ID: AD16533NY  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 05715  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 001  
Container Type: DT - Dump trucks  
Handling Method: L Landfill.  
Specific Gravity: 01.00  
Year: 03  
Facility Type: Generator  
EPA ID: NYR000074732  
Facility Name: USEPA REGION II HAZSORB  
Facility Address: 1731 COLLEGE AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: USA  
County: ERIE  
Mailing Name: USEPA REGION II HAZSORB  
Mailing Contact: GREG DEANGELIS  
Mailing Address: 2890 WOODBRIDGE AVE BLDG 209  
Mailing City: EDISON  
Mailing State: NJ

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

HAZSORB SITE-USEPA (Continued)

1001493590

Mailing Zip: 08837  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 732-689-0008

Document ID: NYG2785662  
Manifest Status: Not reported  
Trans1 State ID: NYD982792814  
Trans2 State ID: Not reported  
Generator Ship Date: 07/21/2003  
Trans1 Recv Date: 07/21/2003  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 07/21/2003  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000074732  
Trans1 EPA ID: NYD049836679  
Trans2 EPA ID: Not reported  
TSDF ID: AD76900NY  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 05498  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 001  
Container Type: DT - Dump trucks  
Handling Method: L Landfill.  
Specific Gravity: 01.00  
Year: 03  
Facility Type: Generator  
EPA ID: NYR000074732  
Facility Name: USEPA REGION II HAZSORB  
Facility Address: 1731 COLLEGE AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: USA  
County: ERIE  
Mailing Name: USEPA REGION II HAZSORB  
Mailing Contact: GREG DEANGELIS  
Mailing Address: 2890 WOODBRIDGE AVE BLDG 209  
Mailing City: EDISON  
Mailing State: NJ  
Mailing Zip: 08837  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 732-689-0008

Document ID: NYG2785689  
Manifest Status: Not reported  
Trans1 State ID: NYD982792814  
Trans2 State ID: Not reported  
Generator Ship Date: 07/21/2003  
Trans1 Recv Date: 07/21/2003  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 07/21/2003  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000074732  
Trans1 EPA ID: NYD049836679



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

HAZSORB SITE-USEPA (Continued)

1001493590

Trans2 EPA ID: Not reported  
TSDF ID: AD46101NY  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 05308  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 001  
Container Type: DT - Dump trucks  
Handling Method: L Landfill.  
Specific Gravity: 01.00  
Year: 03  
Facility Type: Generator  
EPA ID: NYR000074732  
Facility Name: USEPA REGION II HAZSORB  
Facility Address: 1731 COLLEGE AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: USA  
County: ERIE  
Mailing Name: USEPA REGION II HAZSORB  
Mailing Contact: GREG DEANGELIS  
Mailing Address: 2890 WOODBRIDGE AVE BLDG 209  
Mailing City: EDISON  
Mailing State: NJ  
Mailing Zip: 08837  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 732-689-0008

Document ID: NYG2785698  
Manifest Status: Not reported  
Trans1 State ID: NYD982792814  
Trans2 State ID: Not reported  
Generator Ship Date: 07/21/2003  
Trans1 Recv Date: 07/21/2003  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 07/22/2003  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000074732  
Trans1 EPA ID: NYD049836679  
Trans2 EPA ID: Not reported  
TSDF ID: AD76900NY  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 05470  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 001  
Container Type: DT - Dump trucks  
Handling Method: L Landfill.  
Specific Gravity: 01.00  
Year: 03  
Facility Type: Generator  
EPA ID: NYR000074732  
Facility Name: USEPA REGION II HAZSORB  
Facility Address: 1731 COLLEGE AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: USA

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

HAZSORB SITE-USEPA (Continued)

1001493590

County: ERIE  
Mailing Name: USEPA REGION II HAZSORB  
Mailing Contact: GREG DEANGELIS  
Mailing Address: 2890 WOODBRIDGE AVE BLDG 209  
Mailing City: EDISON  
Mailing State: NJ  
Mailing Zip: 08837  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 732-689-0008

Document ID: NYG2785707  
Manifest Status: Not reported  
Trans1 State ID: NYD982792814  
Trans2 State ID: Not reported  
Generator Ship Date: 07/21/2003  
Trans1 Recv Date: 07/21/2003  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 07/22/2003  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000074732  
Trans1 EPA ID: NYD049836679  
Trans2 EPA ID: Not reported  
TSDF ID: AD76532NY  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 05026  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 001  
Container Type: DT - Dump trucks  
Handling Method: L Landfill.  
Specific Gravity: 01.00  
Year: 03  
Facility Type: Generator  
EPA ID: NYR000074732  
Facility Name: USEPA REGION II HAZSORB  
Facility Address: 1731 COLLEGE AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: USA  
County: ERIE  
Mailing Name: USEPA REGION II HAZSORB  
Mailing Contact: GREG DEANGELIS  
Mailing Address: 2890 WOODBRIDGE AVE BLDG 209  
Mailing City: EDISON  
Mailing State: NJ  
Mailing Zip: 08837  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 732-689-0008

Document ID: NYG2785716  
Manifest Status: Not reported  
Trans1 State ID: NYD982792814  
Trans2 State ID: Not reported  
Generator Ship Date: 07/22/2003  
Trans1 Recv Date: 07/22/2003

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

HAZSORB SITE-USEPA (Continued)

1001493590

Trans2 Recv Date: Not reported  
TSD Site Recv Date: 07/22/2003  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000074732  
Trans1 EPA ID: NYD049836679  
Trans2 EPA ID: Not reported  
TSDF ID: AD76532NY  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 04736  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 001  
Container Type: DT - Dump trucks  
Handling Method: L Landfill.  
Specific Gravity: 01.00  
Year: 03  
Facility Type: Generator  
EPA ID: NYR000074732  
Facility Name: USEPA REGION II HAZSORB  
Facility Address: 1731 COLLEGE AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: USA  
County: ERIE  
Mailing Name: USEPA REGION II HAZSORB  
Mailing Contact: GREG DEANGELIS  
Mailing Address: 2890 WOODBRIDGE AVE BLDG 209  
Mailing City: EDISON  
Mailing State: NJ  
Mailing Zip: 08837  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 732-689-0008

Document ID: NYG2785725  
Manifest Status: Not reported  
Trans1 State ID: NYD982792814  
Trans2 State ID: Not reported  
Generator Ship Date: 07/22/2003  
Trans1 Recv Date: 07/22/2003  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 07/22/2003  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000074732  
Trans1 EPA ID: NYD049836679  
Trans2 EPA ID: Not reported  
TSDF ID: AD76900NY  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 05489  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 001  
Container Type: DT - Dump trucks  
Handling Method: L Landfill.  
Specific Gravity: 01.00  
Year: 03  
Facility Type: Generator

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

HAZSORB SITE-USEPA (Continued)

1001493590

EPA ID: NYR000074732  
Facility Name: USEPA REGION II HAZSORB  
Facility Address: 1731 COLLEGE AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: USA  
County: ERIE  
Mailing Name: USEPA REGION II HAZSORB  
Mailing Contact: GREG DEANGELIS  
Mailing Address: 2890 WOODBRIDGE AVE BLDG 209  
Mailing City: EDISON  
Mailing State: NJ  
Mailing Zip: 08837  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 732-689-0008

Document ID: NYG2785734  
Manifest Status: Not reported  
Trans1 State ID: NYD782792814  
Trans2 State ID: Not reported  
Generator Ship Date: 07/22/2003  
Trans1 Recv Date: 07/22/2003  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 07/23/2003  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000074732  
Trans1 EPA ID: NYD049836679  
Trans2 EPA ID: Not reported  
TSDF ID: AD76900NY  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 04273  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 001  
Container Type: DT - Dump trucks  
Handling Method: L Landfill.  
Specific Gravity: 01.00  
Year: 03  
Facility Type: Generator  
EPA ID: NYR000074732  
Facility Name: USEPA REGION II HAZSORB  
Facility Address: 1731 COLLEGE AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: USA  
County: ERIE  
Mailing Name: USEPA REGION II HAZSORB  
Mailing Contact: GREG DEANGELIS  
Mailing Address: 2890 WOODBRIDGE AVE BLDG 209  
Mailing City: EDISON  
Mailing State: NJ  
Mailing Zip: 08837  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 732-689-0008

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

HAZSORB SITE-USEPA (Continued)

1001493590

Document ID: NYG2785743  
Manifest Status: Not reported  
Trans1 State ID: NYD782792814  
Trans2 State ID: Not reported  
Generator Ship Date: 07/22/2003  
Trans1 Recv Date: 07/22/2003  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 07/23/2003  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000074732  
Trans1 EPA ID: NYD049836679  
Trans2 EPA ID: Not reported  
TSDF ID: AD76532NY  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 04690  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 001  
Container Type: DT - Dump trucks  
Handling Method: L Landfill.  
Specific Gravity: 01.00  
Year: 03  
Facility Type: Generator  
EPA ID: NYR000074732  
Facility Name: USEPA REGION II HAZSORB  
Facility Address: 1731 COLLEGE AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: USA  
County: ERIE  
Mailing Name: USEPA REGION II HAZSORB  
Mailing Contact: GREG DEANGELIS  
Mailing Address: 2890 WOODBRIDGE AVE BLDG 209  
Mailing City: EDISON  
Mailing State: NJ  
Mailing Zip: 08837  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 732-689-0008

Document ID: NYG3878577  
Manifest Status: Not reported  
Trans1 State ID: NYD046765574  
Trans2 State ID: Not reported  
Generator Ship Date: 08/07/2003  
Trans1 Recv Date: 08/07/2003  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 08/07/2003  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000074732  
Trans1 EPA ID: NYD049836679  
Trans2 EPA ID: Not reported  
TSDF ID: NY7001A4  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 23605  
Units: K - Kilograms (2.2 pounds)

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

HAZSORB SITE-USEPA (Continued)

1001493590

Number of Containers: 001  
Container Type: CM - Metal boxes, cases, roll-offs  
Handling Method: L Landfill.  
Specific Gravity: 01.00  
Year: 03  
Facility Type: Generator  
EPA ID: NYR000074732  
Facility Name: USEPA REGION II HAZSORB  
Facility Address: 1731 COLLEGE AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: USA  
County: ERIE  
Mailing Name: USEPA REGION II HAZSORB  
Mailing Contact: GREG DEANGELIS  
Mailing Address: 2890 WOODBRIDGE AVE BLDG 209  
Mailing City: EDISON  
Mailing State: NJ  
Mailing Zip: 08837  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 732-689-0008

Document ID: NYG3878595  
Manifest Status: Not reported  
Trans1 State ID: NYD046765574  
Trans2 State ID: Not reported  
Generator Ship Date: 08/07/2003  
Trans1 Recv Date: 08/07/2003  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 08/07/2003  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000074732  
Trans1 EPA ID: NYD049836679  
Trans2 EPA ID: Not reported  
TSDF ID: PAX502430  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 25392  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 001  
Container Type: CM - Metal boxes, cases, roll-offs  
Handling Method: L Landfill.  
Specific Gravity: 01.00  
Year: 03  
Facility Type: Generator  
EPA ID: NYR000074732  
Facility Name: USEPA REGION II HAZSORB  
Facility Address: 1731 COLLEGE AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: USA  
County: ERIE  
Mailing Name: USEPA REGION II HAZSORB  
Mailing Contact: GREG DEANGELIS  
Mailing Address: 2890 WOODBRIDGE AVE BLDG 209  
Mailing City: EDISON

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

HAZSORB SITE-USEPA (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1001493590

Mailing State: NJ  
Mailing Zip: 08837  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 732-689-0008  
  
Document ID: NYG3878613  
Manifest Status: Not reported  
Trans1 State ID: NYD046765574  
Trans2 State ID: Not reported  
Generator Ship Date: 08/07/2003  
Trans1 Recv Date: 08/07/2003  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 08/07/2003  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYR000074732  
Trans1 EPA ID: NYD049836679  
Trans2 EPA ID: Not reported  
TSD ID: MA69443  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 29484  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 001  
Container Type: CM - Metal boxes, cases, roll-offs  
Handling Method: L Landfill.  
Specific Gravity: 01.00  
Year: 03  
Facility Type: Generator  
EPA ID: NYR000074732  
Facility Name: USEPA REGION II HAZSORB  
Facility Address: 1731 COLLEGE AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: USA  
County: ERIE  
Mailing Name: USEPA REGION II HAZSORB  
Mailing Contact: GREG DEANGELIS  
Mailing Address: 2890 WOODBRIDGE AVE BLDG 209  
Mailing City: EDISON  
Mailing State: NJ  
Mailing Zip: 08837  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 732-689-0008

[Click this hyperlink](#) while viewing on your computer to access  
7 additional NY\_MANIFEST: record(s) in the EDR Site Report.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site Database(s) EDR ID Number  
EPA ID Number

**E28**  
**East**  
**< 1/8**  
**543 ft.**

**HAZSORB SITE**  
**1731 COLLEGE AVENUE**  
**NIAGARA FALLS, NY 14303**

**CERCLIS** **1001404170**  
**NYSFN0204191**

**Site 3 of 3 in cluster E**

**Relative:**  
**Equal**

CERCLIS:

**Actual:**  
**582 ft.**

Site ID: 0204191  
Federal Facility: Not a Federal Facility  
NPL Status: Not on the NPL  
Non NPL Status: Removal Only Site (No Site Assessment Work Needed)

Site Description: The site is a Brownfields redevelopment property owned by the City of Niagara Falls. Approximately 200 drums of unknown materials and 70 pallets of unknown materials were found at the site. The site is eligible for removal action.

CERCLIS Assessment History:

Action: REMOVAL ASSESSMENT  
Date Started: 10/27/1998  
Date Completed: 12/10/1998  
Priority Level: Not reported

Action: REMOVAL  
Date Started: 08/17/1999  
Date Completed: 10/22/1999  
Priority Level: Cleaned up

Action: Public Notice Published  
Date Started: Not reported  
Date Completed: 12/31/1999  
Priority Level: Not reported

Action: NON-NATIONAL PRIORITIES LIST POTENTIALLY RESPONSIBLE PARTY SEARCH  
Date Started: 08/18/1999  
Date Completed: 10/18/2002  
Priority Level: Search Complete, No Viable PRPs

Action: REMOVAL ASSESSMENT  
Date Started: 06/21/2002  
Date Completed: 10/18/2002  
Priority Level: Not reported

Action: REMOVAL  
Date Started: 05/13/2003  
Date Completed: 10/02/2003  
Priority Level: Cleaned up

**D29**  
**SW**  
**< 1/8**  
**570 ft.**

**UNION CARBIDE CORP**  
**3625 HIGHLAND AVE**  
**NIAGARA FALLS, NY 14302**

**NY MANIFEST** **1009227122**  
**N/A**

**Site 2 of 5 in cluster D**

**Relative:**  
**Equal**

NY MANIFEST:

No Manifest Records Available

**Actual:**  
**582 ft.**



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

D30  
SW  
< 1/8  
570 ft.

UCAR CARBON CO INC  
3625 HIGHLAND AVE  
NIAGARA FALLS, NY 14305

Site 3 of 5 in cluster D

PADS  
RCRA-SQG  
FINDS  
CORRACTS  
NY MANIFEST

EDR ID Number  
EPA ID Number

1000335630  
NYD002106920

Relative:  
Equal

RCRAInfo Corrective Action Summary:

Actual:  
582 ft.

Event: RFA Determination Of Need For An RFI, RFI is Not Necessary;  
Event Date: 07/19/1994  
Event: CA Prioritization, Facility or area was assigned a low corrective action  
priority.  
Event Date: 01/12/1994  
Event: RFA Completed  
Event Date: 09/22/1992

RCRAInfo:

Owner: UNION CARBIDE CORP-CARBON PRODUCTS DIV  
(716) 278-3541  
EPA ID: NYD002106920  
Contact: J F BAYLUS  
(716) 278-3541

Classification: Small Quantity Generator  
TSD Activities: Not reported

Violation Status: Violations exist

Regulation Violated: Not reported  
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)  
Date Violation Determined: 04/09/1987  
Actual Date Achieved Compliance: 06/11/1987

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 04/09/1987  
Penalty Type: Not reported

Regulation Violated: Not reported  
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)  
Date Violation Determined: 06/06/1985  
Actual Date Achieved Compliance: 12/06/1985

Enforcement Action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement Action Date: 10/10/1985  
Penalty Type: Not reported

Regulation Violated: Not reported  
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)  
Date Violation Determined: 12/30/1983  
Actual Date Achieved Compliance: 07/26/1984

Enforcement Action: WRITTEN INFORMAL  
Enforcement Action Date: 06/04/1984  
Penalty Type: Not reported

There are 3 violation record(s) reported at this site:

<u>Evaluation</u>	<u>Area of Violation</u>	<u>Date of Compliance</u>
Non-Financial Record Review	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19870611
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19851206
Compliance Evaluation Inspection	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19840726

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

UCAR CARBON CO INC (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1000335630

FINDS:

Other Pertinent Environmental Activity Identified at Site

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

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

CORRACTS:

EPA ID:	NYD002106920
EPA Region:	02
Area Name:	SITEWIDE
Actual Date:	01/12/1994
Action:	CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s):	Not reported
EPA ID:	NYD002106920
EPA Region:	02
Area Name:	SITEWIDE
Actual Date:	07/19/1994
Action:	CA070NO - RFA Determination Of Need For An RFI, RFI is Not Necessary
NAICS Code(s):	Not reported
EPA ID:	NYD002106920
EPA Region:	02
Area Name:	SITEWIDE

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

UCAR CARBON CO INC (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1000335630

Actual Date: 09/22/1992  
Action: CA050 - RFA Completed  
NAICS Code(s): Not reported

NY MANIFEST:

Document ID: NYC1183915  
Manifest Status: Completed copy  
Trans1 State ID: NYCL9286  
Trans2 State ID: Not reported  
Generator Ship Date: 910905  
Trans1 Recv Date: 910905  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 910905  
Part A Recv Date: 910916  
Part B Recv Date: 910916  
Generator EPA ID: NYD002106920  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSDF ID: NYD981556541  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00258  
Units: P - Pounds  
Number of Containers: 003  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 91  
Facility Type: Both Generator and TSD  
EPA ID: NYD002106920  
Facility Name: UCAR CARBON CO  
Facility Address: 3625 HIGHLAND AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: 2056  
Country: Not reported  
County: NIAGARA  
Mailing Name: UNION CARBIDE CORP  
Mailing Contact: MICHAEL BALENT  
Mailing Address: PO BOX 887  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-278-3541  
Mailing Name: UCAR CARBON CO  
Mailing Contact: BAYLUS JAMES CHIEF PLANT  
Mailing Address: 3625 HIGHLAND AVE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: 3056  
Mailing Country: USA  
Mailing Phone: 716-278-3542

Document ID: NJA1217273  
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC  
Trans1 State ID: NYGR1992

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation    Site

MAP FINDINGS

Database(s)  
 EDR ID Number  
 EPA ID Number

UCAR CARBON CO INC (Continued)

1000335630

Trans2 State ID: Not reported  
 Generator Ship Date: 910816  
 Trans1 Recv Date: 910816  
 Trans2 Recv Date: Not reported  
 TSD Site Recv Date: 910826  
 Part A Recv Date: 910823  
 Part B Recv Date: 910912  
 Generator EPA ID: NYD002106920  
 Trans1 EPA ID: ILD051060408  
 Trans2 EPA ID: Not reported  
 TSDF ID: NJD002182897  
 Waste Code: F003 - UNKNOWN  
 Quantity: 01278  
 Units: P - Pounds  
 Number of Containers: 003  
 Container Type: DM - Metal drums, barrels  
 Handling Method: B Incineration, heat recovery, burning.  
 Specific Gravity: 100  
 Year: 91  
 Facility Type: Both Generator and TSD  
 EPA ID: NYD002106920  
 Facility Name: UCAR CARBON CO  
 Facility Address: 3625 HIGHLAND AVE  
 Facility City: NIAGARA FALLS  
 Facility Zip 4: 2056  
 Country: Not reported  
 County: NIAGARA  
 Mailing Name: UNION CARBIDE CORP  
 Mailing Contact: MICHAEL BALENT  
 Mailing Address: PO BOX 887  
 Mailing City: NIAGARA FALLS  
 Mailing State: NY  
 Mailing Zip: 14302  
 Mailing Zip4: Not reported  
 Mailing Country: USA  
 Mailing Phone: 716-278-3541  
 Mailing Name: UCAR CARBON CO  
 Mailing Contact: BAYLUS JAMES CHIEF PLANT  
 Mailing Address: 3625 HIGHLAND AVE  
 Mailing City: NIAGARA FALLS  
 Mailing State: NY  
 Mailing Zip: 14302  
 Mailing Zip4: 3056  
 Mailing Country: USA  
 Mailing Phone: 716-278-3542  
 Document ID: NYC1345544  
 Manifest Status: Completed copy  
 Trans1 State ID: NYCL9286  
 Trans2 State ID: Not reported  
 Generator Ship Date: 911121  
 Trans1 Recv Date: 911121  
 Trans2 Recv Date: Not reported  
 TSD Site Recv Date: 911121  
 Part A Recv Date: Not reported  
 Part B Recv Date: 911202  
 Generator EPA ID: NYD002106920

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

UCAR CARBON CO INC (Continued)

1000335630

Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSDF ID: NYD981556541  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00258  
Units: P - Pounds  
Number of Containers: 003  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 91  
Facility Type: Both Generator and TSD  
EPA ID: NYD002106920  
Facility Name: UCAR CARBON CO  
Facility Address: 3625 HIGHLAND AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: 2056  
Country: Not reported  
County: NIAGARA  
Mailing Name: UNION CARBIDE CORP  
Mailing Contact: MICHAEL BALENT  
Mailing Address: PO BOX 887  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-278-3541  
Mailing Name: UCAR CARBON CO  
Mailing Contact: BAYLUS JAMES CHIEF PLANT  
Mailing Address: 3625 HIGHLAND AVE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: 3056  
Mailing Country: USA  
Mailing Phone: 716-278-3542  
  
Document ID: PAC4445895  
Manifest Status: Completed copy  
Trans1 State ID: PAAH0172  
Trans2 State ID: Not reported  
Generator Ship Date: 910923  
Trans1 Recv Date: 910923  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 910923  
Part A Recv Date: 910930  
Part B Recv Date: 911004  
Generator EPA ID: NYD002106920  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSDF ID: PAD981737109  
Waste Code: D008 - LEAD 5.0 MG/L TCLP  
Quantity: 00130  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: TT - Cargo tank, tank trucks

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**UCAR CARBON CO INC (Continued)**

**1000335630**

Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 100  
Year: 91  
Facility Type: Both Generator and TSD  
EPA ID: NYD002106920  
Facility Name: UCAR CARBON CO  
Facility Address: 3625 HIGHLAND AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: 2056  
Country: Not reported  
County: NIAGARA  
Mailing Name: UNION CARBIDE CORP  
Mailing Contact: MICHAEL BALENT  
Mailing Address: PO BOX 887  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-278-3541  
Mailing Name: UCAR CARBON CO  
Mailing Contact: BAYLUS JAMES CHIEF PLANT  
Mailing Address: 3625 HIGHLAND AVE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: 3056  
Mailing Country: USA  
Mailing Phone: 716-278-3542  
  
Document ID: NYC4506783  
Manifest Status: Not reported  
Trans1 State ID: ILD984908202  
Trans2 State ID: SCD987574647  
Generator Ship Date: 11/11/1998  
Trans1 Recv Date: 11/11/1998  
Trans2 Recv Date: 11/13/1998  
TSD Site Recv Date: 11/20/1998  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD002106920  
Trans1 EPA ID: OHD980587364  
Trans2 EPA ID: Not reported  
TSDF ID: NY33916AP  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00300  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 01.00  
Year: 98  
Facility Type: Both Generator and TSD  
EPA ID: NYD002106920  
Facility Name: UCAR CARBON CO  
Facility Address: 3625 HIGHLAND AVE  
Facility City: NIAGARA FALLS

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

UCAR CARBON CO INC (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1000335630

Facility Zip 4: 2056  
Country: Not reported  
County: NIAGARA  
Mailing Name: UNION CARBIDE CORP  
Mailing Contact: MICHAEL BALENT  
Mailing Address: PO BOX 887  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-278-3541  
Mailing Name: UCAR CARBON CO  
Mailing Contact: BAYLUS JAMES CHIEF PLANT  
Mailing Address: 3625 HIGHLAND AVE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: 3056  
Mailing Country: USA  
Mailing Phone: 716-278-3542  
  
Document ID: NJA2948677  
Manifest Status: Not reported  
Trans1 State ID: NJD080631369  
Trans2 State ID: MOD095038998  
Generator Ship Date: 06/12/1998  
Trans1 Recv Date: 06/12/1998  
Trans2 Recv Date: 06/15/1998  
TSD Site Recv Date: 06/17/1998  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD002106920  
Trans1 EPA ID: NJD980536593  
Trans2 EPA ID: Not reported  
TSDF ID: NJDEP5016  
Waste Code: D006 - CADMIUM 1.0 MG/L TCLP  
Quantity: 00040  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 01.00  
Year: 98  
Facility Type: Both Generator and TSD  
EPA ID: NYD002106920  
Facility Name: UCAR CARBON CO  
Facility Address: 3625 HIGHLAND AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: 2056  
Country: Not reported  
County: NIAGARA  
Mailing Name: UNION CARBIDE CORP  
Mailing Contact: MICHAEL BALENT  
Mailing Address: PO BOX 887  
Mailing City: NIAGARA FALLS  
Mailing State: NY

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**UCAR CARBON CO INC (Continued)**

**1000335630**

Mailing Zip: 14302  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-278-3541  
Mailing Name: UCAR CARBON CO  
Mailing Contact: BAYLUS JAMES CHIEF PLANT  
Mailing Address: 3625 HIGHLAND AVE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: 3056  
Mailing Country: USA  
Mailing Phone: 716-278-3542

Document ID: NYC4575150  
Manifest Status: Not reported  
Trans1 State ID: ILD984908202  
Trans2 State ID: MOD095038998  
Generator Ship Date: 03/27/1998  
Trans1 Recv Date: 03/27/1998  
Trans2 Recv Date: 04/09/1998  
TSD Site Recv Date: 04/10/1998  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD002106920  
Trans1 EPA ID: OHD980587364  
Trans2 EPA ID: Not reported  
TSDF ID: NYGR1992  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00375  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 01.00  
Year: 98  
Facility Type: Both Generator and TSD  
EPA ID: NYD002106920  
Facility Name: UCAR CARBON CO  
Facility Address: 3625 HIGHLAND AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: 2056  
Country: Not reported  
County: NIAGARA  
Mailing Name: UNION CARBIDE CORP  
Mailing Contact: MICHAEL BALENT  
Mailing Address: PO BOX 887  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-278-3541  
Mailing Name: UCAR CARBON CO  
Mailing Contact: BAYLUS JAMES CHIEF PLANT  
Mailing Address: 3625 HIGHLAND AVE  
Mailing City: NIAGARA FALLS



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

UCAR CARBON CO INC (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1000335630

Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: 3056  
Mailing Country: USA  
Mailing Phone: 716-278-3542

Document ID: NJA1116866  
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC  
Trans1 State ID: NYGR1992  
Trans2 State ID: NJDEPS869  
Generator Ship Date: 920515  
Trans1 Recv Date: 920515  
Trans2 Recv Date: 920522  
TSD Site Recv Date: 920522  
Part A Recv Date: Not reported  
Part B Recv Date: 920617  
Generator EPA ID: NYD002106920  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: ILD051060408  
TSDF ID: NJD002182897  
Waste Code: F003 - UNKNOWN  
Quantity: 02044  
Units: P - Pounds  
Number of Containers: 004  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 92  
Facility Type: Both Generator and TSD  
EPA ID: NYD002106920  
Facility Name: UCAR CARBON CO  
Facility Address: 3625 HIGHLAND AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: 2056  
Country: Not reported  
County: NIAGARA  
Mailing Name: UNION CARBIDE CORP  
Mailing Contact: MICHAEL BALENT  
Mailing Address: PO BOX 887  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-278-3541  
Mailing Name: UCAR CARBON CO  
Mailing Contact: BAYLUS JAMES CHIEF PLANT  
Mailing Address: 3625 HIGHLAND AVE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: 3056  
Mailing Country: USA  
Mailing Phone: 716-278-3542

Document ID: NYC1491311  
Manifest Status: Completed copy

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**UCAR CARBON CO INC (Continued)**

**1000335630**

Trans1 State ID: NYM02217  
Trans2 State ID: Not reported  
Generator Ship Date: 920220  
Trans1 Recv Date: 920220  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 920220  
Part A Recv Date: 920228  
Part B Recv Date: 920228  
Generator EPA ID: NYD002106920  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSDF ID: NYD981556541  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00258  
Units: P - Pounds  
Number of Containers: 003  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 92  
Facility Type: Both Generator and TSD  
EPA ID: NYD002106920  
Facility Name: UCAR CARBON CO  
Facility Address: 3625 HIGHLAND AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: 2056  
Country: Not reported  
County: NIAGARA  
Mailing Name: UNION CARBIDE CORP  
Mailing Contact: MICHAEL BALENT  
Mailing Address: PO BOX 887  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-278-3541  
Mailing Name: UCAR CARBON CO  
Mailing Contact: BAYLUS JAMES CHIEF PLANT  
Mailing Address: 3625 HIGHLAND AVE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: 3056  
Mailing Country: USA  
Mailing Phone: 716-278-3542  
  
Document ID: NYC1609738  
Manifest Status: Completed copy  
Trans1 State ID: NYMV2217  
Trans2 State ID: Not reported  
Generator Ship Date: 920514  
Trans1 Recv Date: 920514  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 920514  
Part A Recv Date: Not reported  
Part B Recv Date: 920526

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

UCAR CARBON CO INC (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1000335630

Generator EPA ID: NYD002106920  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSDF ID: NYD981556541  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00258  
Units: P - Pounds  
Number of Containers: 003  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 92  
Facility Type: Both Generator and TSD  
EPA ID: NYD002106920  
Facility Name: UCAR CARBON CO  
Facility Address: 3625 HIGHLAND AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: 2056  
Country: Not reported  
County: NIAGARA  
Mailing Name: UNION CARBIDE CORP  
Mailing Contact: MICHAEL BALENT  
Mailing Address: PO BOX 887  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-278-3541  
Mailing Name: UCAR CARBON CO  
Mailing Contact: BAYLUS JAMES CHIEF PLANT  
Mailing Address: 3625 HIGHLAND AVE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: 3056  
Mailing Country: USA  
Mailing Phone: 716-278-3542  
  
Document ID: NJA2255410  
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC  
Trans1 State ID: 08690  
Trans2 State ID: Not reported  
Generator Ship Date: 951109  
Trans1 Recv Date: 951109  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 951114  
Part A Recv Date: 951117  
Part B Recv Date: 951208  
Generator EPA ID: NYD002106920  
Trans1 EPA ID: ILD984908202  
Trans2 EPA ID: Not reported  
TSDF ID: NJD002182897  
Waste Code: F001 - UNKNOWN  
Quantity: 00004  
Units: P - Pounds  
Number of Containers: 001

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

UCAR CARBON CO INC (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1000335630

Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 95  
Facility Type: Both Generator and TSD  
EPA ID: NYD002106920  
Facility Name: UCAR CARBON CO  
Facility Address: 3625 HIGHLAND AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: 2056  
Country: Not reported  
County: NIAGARA  
Mailing Name: UNION CARBIDE CORP  
Mailing Contact: MICHAEL BALENT  
Mailing Address: PO BOX 887  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-278-3541  
Mailing Name: UCAR CARBON CO  
Mailing Contact: BAYLUS JAMES CHIEF PLANT  
Mailing Address: 3625 HIGHLAND AVE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: 3056  
Mailing Country: USA  
Mailing Phone: 716-278-3542  
  
Document ID: TXA0739958  
Manifest Status: Not reported  
Trans1 State ID: ILD984908202  
Trans2 State ID: SCD987574647  
Generator Ship Date: 10/05/1998  
Trans1 Recv Date: 10/05/1998  
Trans2 Recv Date: 10/06/1998  
TSD Site Recv Date: 10/15/1998  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD002106920  
Trans1 EPA ID: TXD077603371  
Trans2 EPA ID: Not reported  
TSDF ID: 88888  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00800  
Units: P - Pounds  
Number of Containers: 002  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Year: 98  
Facility Type: Both Generator and TSD  
EPA ID: NYD002106920  
Facility Name: UCAR CARBON CO  
Facility Address: 3625 HIGHLAND AVE

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**UCAR CARBON CO INC (Continued)**

**1000335630**

Facility City: NIAGARA FALLS  
Facility Zip 4: 2056  
Country: Not reported  
County: NIAGARA  
Mailing Name: UNION CARBIDE CORP  
Mailing Contact: MICHAEL BALENT  
Mailing Address: PO BOX 887  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-278-3541  
Mailing Name: UCAR CARBON CO  
Mailing Contact: BAYLUS JAMES CHIEF PLANT  
Mailing Address: 3625 HIGHLAND AVE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: 3056  
Mailing Country: USA  
Mailing Phone: 716-278-3542  
  
Document ID: PAE5785986  
Manifest Status: Not reported  
Trans1 State ID: ILD984908202  
Trans2 State ID: Not reported  
Generator Ship Date: 03/20/1998  
Trans1 Recv Date: 03/20/1998  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 04/03/1998  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD002106920  
Trans1 EPA ID: PAD987367216  
Trans2 EPA ID: Not reported  
TSD ID: PAAH  
Waste Code: D009 - MERCURY 0.2 MG/L TCLP  
Quantity: 00160  
Units: P - Pounds  
Number of Containers: 004  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Year: 98  
Facility Type: Both Generator and TSD  
EPA ID: NYD002106920  
Facility Name: UCAR CARBON CO  
Facility Address: 3625 HIGHLAND AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: 2056  
Country: Not reported  
County: NIAGARA  
Mailing Name: UNION CARBIDE CORP  
Mailing Contact: MICHAEL BALENT  
Mailing Address: PO BOX 887  
Mailing City: NIAGARA FALLS

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

UCAR CARBON CO INC (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1000335630

Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-278-3541  
Mailing Name: UCAR CARBON CO  
Mailing Contact: BAYLUS JAMES CHIEF PLANT  
Mailing Address: 3625 HIGHLAND AVE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: 3056  
Mailing Country: USA  
Mailing Phone: 716-278-3542

Document ID: PAE7621703  
Manifest Status: Not reported  
Trans1 State ID: ILD984908202  
Trans2 State ID: SCD987574647  
Generator Ship Date: 11/11/1998  
Trans1 Recv Date: 11/11/1998  
Trans2 Recv Date: 11/13/1998  
TSD Site Recv Date: 11/23/1998  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD002106920  
Trans1 EPA ID: PAD987367216  
Trans2 EPA ID: Not reported  
TSDF ID: PAAH0172  
Waste Code: D009 - MERCURY 0.2 MG/L TCLP  
Quantity: 00080  
Units: P - Pounds  
Number of Containers: 004  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 01.00  
Year: 98  
Facility Type: Both Generator and TSD  
EPA ID: NYD002106920  
Facility Name: UCAR CARBON CO  
Facility Address: 3625 HIGHLAND AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: 2056  
Country: Not reported  
County: NIAGARA  
Mailing Name: UNION CARBIDE CORP  
Mailing Contact: MICHAEL BALENT  
Mailing Address: PO BOX 887  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-278-3541  
Mailing Name: UCAR CARBON CO  
Mailing Contact: BAYLUS JAMES CHIEF PLANT  
Mailing Address: 3625 HIGHLAND AVE

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

UCAR CARBON CO INC (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1000335630

Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: 3056  
Mailing Country: USA  
Mailing Phone: 716-278-3542

Document ID: ILA8515266  
Manifest Status: Not reported  
Trans1 State ID: NJD080631369  
Trans2 State ID: OHD009865825  
Generator Ship Date: 03/15/2002  
Trans1 Recv Date: 03/15/2002  
Trans2 Recv Date: 03/28/2002  
TSD Site Recv Date: 04/04/2002  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD002106920  
Trans1 EPA ID: ILD098642424  
Trans2 EPA ID: Not reported  
TSDF ID: UPW060918  
Waste Code: D003 - NON-LISTED REACTIVE WASTES  
Quantity: 00025  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 01.00  
Year: 02  
Facility Type: Both Generator and TSD  
EPA ID: NYD002106920  
Facility Name: UCAR CARBON CO  
Facility Address: 3625 HIGHLAND AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: 2056  
Country: Not reported  
County: NIAGARA  
Mailing Name: UNION CARBIDE CORP  
Mailing Contact: MICHAEL BALENT  
Mailing Address: PO BOX 887  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-278-3541  
Mailing Name: UCAR CARBON CO  
Mailing Contact: BAYLUS JAMES CHIEF PLANT  
Mailing Address: 3625 HIGHLAND AVE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: 3056  
Mailing Country: USA  
Mailing Phone: 716-278-3542

Document ID: ILA8515273

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

UCAR CARBON CO INC (Continued)

1000335630

Manifest Status: Not reported  
Trans1 State ID: NJD080631369  
Trans2 State ID: NYD982792814  
Generator Ship Date: 02/27/2002  
Trans1 Recv Date: 02/27/2002  
Trans2 Recv Date: 03/04/2002  
TSD Site Recv Date: 03/06/2002  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD002106920  
Trans1 EPA ID: ILD098642424  
Trans2 EPA ID: Not reported  
TSDF ID: UPW060918  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00030  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 01.00  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 00500  
Units: P - Pounds  
Number of Containers: 001  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 01.00  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00040  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 01.00  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00003  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 01.00  
Year: 02  
Facility Type: Both Generator and TSD  
EPA ID: NYD002106920  
Facility Name: UCAR CARBON CO  
Facility Address: 3625 HIGHLAND AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: 2056  
Country: Not reported  
County: NIAGARA  
Mailing Name: UNION CARBIDE CORP  
Mailing Contact: MICHAEL BALENT  
Mailing Address: PO BOX 887  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: Not reported



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

UCAR CARBON CO INC (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1000335630

Mailing Country: USA  
Mailing Phone: 716-278-3541  
Mailing Name: UCAR CARBON CO  
Mailing Contact: BAYLUS JAMES CHIEF PLANT  
Mailing Address: 3625 HIGHLAND AVE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: 3056  
Mailing Country: USA  
Mailing Phone: 716-278-3542

Document ID: NYO2157255  
Manifest Status: Completed copy  
Trans1 State ID: NY9A090  
Trans2 State ID: Not reported  
Generator Ship Date: 820713  
Trans1 Recv Date: 820713  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 820713  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD002106920  
Trans1 EPA ID: NYD080336241  
Trans2 EPA ID: Not reported  
TSD ID: NYD080336241  
Waste Code: B006 - PCB TRANSFORMERS WITH 500 PPM OR > PCB  
Quantity: 00055  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: L Landfill.  
Specific Gravity: 100  
Year: 82  
Facility Type: Both Generator and TSD  
EPA ID: NYD002106920  
Facility Name: UCAR CARBON CO  
Facility Address: 3625 HIGHLAND AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: 2056  
Country: Not reported  
County: NIAGARA  
Mailing Name: UNION CARBIDE CORP  
Mailing Contact: MICHAEL BALENT  
Mailing Address: PO BOX 887  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-278-3541  
Mailing Name: UCAR CARBON CO  
Mailing Contact: BAYLUS JAMES CHIEF PLANT  
Mailing Address: 3625 HIGHLAND AVE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

UCAR CARBON CO INC (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1000335630

Mailing Zip4: 3056  
Mailing Country: USA  
Mailing Phone: 716-278-3542

Document ID: NYO1717884  
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC  
Trans1 State ID: 9A-045  
Trans2 State ID: Not reported  
Generator Ship Date: 820930  
Trans1 Recv Date: 820930  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 821007  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD002106920  
Trans1 EPA ID: NYT370012403  
Trans2 EPA ID: Not reported  
TSDF ID: ARD069748192  
Waste Code: B003 - PETROLEUM OIL WITH 500 PPM OR > PCB  
Quantity: 00370  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 007  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Waste Code: Not reported  
Quantity: 00880  
Units: P - Pounds  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 82  
Facility Type: Both Generator and TSD  
EPA ID: NYD002106920  
Facility Name: UCAR CARBON CO  
Facility Address: 3625 HIGHLAND AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: 2056  
Country: Not reported  
County: NIAGARA  
Mailing Name: UNION CARBIDE CORP  
Mailing Contact: MICHAEL BALENT  
Mailing Address: PO BOX 887  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-278-3541  
Mailing Name: UCAR CARBON CO  
Mailing Contact: BAYLUS JAMES CHIEF PLANT  
Mailing Address: 3625 HIGHLAND AVE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: 3056

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

UCAR CARBON CO INC (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1000335630

Mailing Country: USA  
Mailing Phone: 716-278-3542

Document ID: NYO1717713  
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC  
Trans1 State ID: 9A-045  
Trans2 State ID: Not reported  
Generator Ship Date: 820827  
Trans1 Recv Date: 820827  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 820903  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD002106920  
Trans1 EPA ID: NYT370012403  
Trans2 EPA ID: Not reported  
TSDF ID: NYD080336241  
Waste Code: B006 - PCB TRANSFORMERS WITH 500 PPM OR > PCB  
Quantity: 07040  
Units: P - Pounds  
Number of Containers: 016  
Container Type: DM - Metal drums, barrels  
Handling Method: L Landfill.  
Specific Gravity: 100  
Waste Code: Not reported  
Quantity: 04840  
Units: P - Pounds  
Number of Containers: 011  
Container Type: DM - Metal drums, barrels  
Handling Method: L Landfill.  
Specific Gravity: 100  
Waste Code: Not reported  
Quantity: 00165  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 003  
Container Type: DM - Metal drums, barrels  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 100  
Year: 82  
Facility Type: Both Generator and TSD  
EPA ID: NYD002106920  
Facility Name: UCAR CARBON CO  
Facility Address: 3625 HIGHLAND AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: 2056  
Country: Not reported  
County: NIAGARA  
Mailing Name: UNION CARBIDE CORP  
Mailing Contact: MICHAEL BALENT  
Mailing Address: PO BOX 887  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14302  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 716-278-3541  
Mailing Name: UCAR CARBON CO

Map ID  
 Direction  
 Distance  
 Distance (ft.)  
 Elevation    Site

MAP FINDINGS

Database(s)    EDR ID Number  
 EPA ID Number

**UCAR CARBON CO INC (Continued)**

**1000335630**

Mailing Contact: BAYLUS JAMES CHIEF PLANT  
 Mailing Address: 3625 HIGHLAND AVE  
 Mailing City: NIAGARA FALLS  
 Mailing State: NY  
 Mailing Zip: 14302  
 Mailing Zip4: 3056  
 Mailing Country: USA  
 Mailing Phone: 716-278-3542

Document ID: NYA9594854  
 Manifest Status: Completed copy  
 Trans1 State ID: NYLC9100  
 Trans2 State ID: Not reported  
 Generator Ship Date: 890915  
 Trans1 Recv Date: 890915  
 Trans2 Recv Date: Not reported  
 TSD Site Recv Date: 890915  
 Part A Recv Date: 890918  
 Part B Recv Date: 890918  
 Generator EPA ID: NYD002106920  
 Trans1 EPA ID: ILD051060408  
 Trans2 EPA ID: Not reported  
 TSDF ID: NYD981556541  
 Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
 Quantity: 00172  
 Units: P - Pounds  
 Number of Containers: 002  
 Container Type: DM - Metal drums, barrels  
 Handling Method: R Material recovery of more than 75 percent of the total material.  
 Specific Gravity: 100  
 Year: 89  
 Facility Type: Both Generator and TSD  
 EPA ID: NYD002106920  
 Facility Name: UCAR CARBON CO  
 Facility Address: 3625 HIGHLAND AVE  
 Facility City: NIAGARA FALLS  
 Facility Zip 4: 2056  
 Country: Not reported  
 County: NIAGARA  
 Mailing Name: UNION CARBIDE CORP  
 Mailing Contact: MICHAEL BALENT  
 Mailing Address: PO BOX 887  
 Mailing City: NIAGARA FALLS  
 Mailing State: NY  
 Mailing Zip: 14302  
 Mailing Zip4: Not reported  
 Mailing Country: USA  
 Mailing Phone: 716-278-3541  
 Mailing Name: UCAR CARBON CO  
 Mailing Contact: BAYLUS JAMES CHIEF PLANT  
 Mailing Address: 3625 HIGHLAND AVE  
 Mailing City: NIAGARA FALLS  
 Mailing State: NY  
 Mailing Zip: 14302  
 Mailing Zip4: 3056  
 Mailing Country: USA  
 Mailing Phone: 716-278-3542

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

UCAR CARBON CO INC (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1000335630

[Click this hyperlink](#) while viewing on your computer to access  
48 additional NY\_MANIFEST: record(s) in the EDR Site Report.

D31  
SW  
< 1/8  
570 ft.  
  
Relative:  
Equal

TRUCK AT UCAR CARBON COMP  
3625 HIGHLAND AVENUE  
NIAGARA FALLS, NY

NY Spills  
NY Hist Spills

S104651401  
N/A

Site 4 of 5 in cluster D

Actual:  
582 ft.

NY Spills:  
Site ID: 105567  
Facility Addr2: Not reported  
Facility ID: 9912295  
Spill Number: 9912295  
Facility Type: ER  
SWIS: 3211  
Region of Spill: 9  
Investigator: RMCROSSE  
Referred To: Not reported  
Spill Date: 01/26/00  
Reported to Dept: 01/26/00  
CID: 29  
Spill Cause: Traffic Accident  
Water Affected: Not reported  
Spill Source: Commercial Vehicle  
Spill Notifier: Fire Department  
Cleanup Ceased: / /  
Cleanup Meets Std: True  
Last Inspection: 01/26/00  
Recommended Penalty: Penalty Not Recommended  
UST Trust: False  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
  
Spill Closed Dt: 05/01/00  
Remediation Phase: 0  
Date Entered In Computer: 01/26/00  
Spill Record Last Update: 05/08/00  
Spiller Name: Not reported  
Spiller Company: E. J. TRUCKING  
Spiller Address: RURAL ROUTE 1  
Spiller City,St,Zip: LIBERTY, PA 16930-  
Spiller Company: 001  
Spiller Phone: Not reported  
Contact Name: ROBERT BUCCI  
Contact Phone: (716) 278-3486  
DEC Region: 9  
Program Number: 9912295  
DER Facility ID: 93117  
Site ID: 105567  
Operable Unit ID: 1090992  
Operable Unit: 01  
Material ID: 294183  
Material Code: 0008  
Material Name: Diesel  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 80.00

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

TRUCK AT UCAR CARBON COMP (Continued)

EDR ID Number  
EPA ID Number

Database(s)

S104651401

Units: Gallons  
Recovered: 75.00  
Resource Affected: Soil  
Oxygenate: False  
DEC Memo: Start DECRemark - 9912295 Prior to Sept, 2004 data translation this spill Lead  
DEC Field was "RMC" 01/26/00: RMC SITE INSPECTION, MET ROBERT BUCCI, SPILL  
CONTAINED, DRUST FROM NCHD JUST LEFT, NO ARRANGEMENT WERE MADE FOR CLEANUP AND  
DISPOSAL RMC CONTACTED OWNER OF TRUCK AND LEASED COMPANY, WORKED OUT AGREEMENT  
THAT UNCAR WILL PUT IN DRUMS AND LEASED COMPANY WILL HIRE SOME ONE TO DISPOSE,  
RECEIPT DUE 2/28/00 04/10/00: RMC FILE REVIEW, SENT NO DISPOSAL LETTER,  
RESPONSE DUE 5/5/00 05/01/00: RMC RECEIVED COPY OF DISPOSAL RECEIPTS, OK,  
CLOSE OUT END DECRemark - 9912295  
Remarks: Start CallerRemark - 9912295 TRUCK ROLLED OVER - CLEANUP IS TAKING PLACE END  
CallerRemark - 9912295

NY Hist Spills:

Region of Spill: 9  
Spill Number: 9912295  
Investigator: RMC  
Caller Name: Not reported  
Caller Agency: Not reported  
Caller Phone: Not reported  
Notifier Name: Not reported  
Notifier Agency: Not reported  
Notifier Phone: Not reported  
Spill Date/Time: 01/26/2000 14:22  
Reported to Dept Date/Time: 01/26/00 14:50  
SWIS: 29  
Spiller Name: E. J. TRUCKING  
Spiller Contact: Not reported  
Spiller Phone: ( ) -  
Spiller Contact: ROBERT BUCCI  
Spiller Phone: (716) 278-3486  
Spiller Address: RURAL ROUTE 1  
Spiller City,St,Zip: LIBERTY, PA 16930-  
Spill Cause: Traffic Accident  
Reported to Dept: On Land  
Water Affected: Not reported  
Spill Source: 07  
Spill Notifier: Fire Department  
PBS Number: Not reported  
Cleanup Ceased: / /  
Cleanup Meets Std: True  
Last Inspection: 01/26/00  
Recommended Penalty: Penalty Not Recommended  
Spiller Cleanup Dt: / /  
Enforcement Date: / /  
Invstgn Complete: / /  
UST Involvement: False  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: 05/01/00  
Corrective Action Plan Submitted: / /  
Date Region Sent Summary to Central Office: / /  
Date Spill Entered In Computer Data File: 01/26/00  
Date Spill Entered In Computer Data File: Not reported  
Update Date: 05/08/00

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

TRUCK AT UCAR CARBON COMP (Continued)

EDR ID Number  
EPA ID Number

Database(s)

S104651401

Is Updated: False  
PBS Number: Not reported  
Tank Number: Not reported  
Tank Size: Not reported  
Test Method: Not reported  
Leak Rate Failed Tank: Not reported  
Gross Leak Rate: Not reported  
Material Class Type: Petroleum  
Quantity Spilled: 80  
Unkonwn Quantity Spilled: False  
Units: Gallons  
Quantity Recovered: 75  
Unkonwn Quantity Recovered: False  
Material: DIESEL  
Class Type: DIESEL  
Times Material Entry In File: 10625  
CAS Number: Not reported  
Last Date: 19940728  
DEC Remarks: 01/26/00: RMC SITE INSPECTION, MET ROBERT BUCCI, SPILL CONTAINED, DRUST FROM NCHD JUST LEFT, NO ARRANGEMENT WERE MADE FOR CLEANUP AND DISPOSAL RMC CONTACTED OWNER OF TRUCK AND LEASED COMPANY, WORKED OUT AGREEMENT THAT UNCAR WILL PUT IN DRUMS AND LEASED COMPANY WILL HIRE SOME ONE TO DISPOSE, RECEIPT DUE 2/28/00 04/10/00: RMC FILE REVIEW, SENT NO DISPOSAL LETTER, RESPONSE DUE 5/5/00 05/01/00: RMC RECEIVED COPY OF DISPOSAL RECEIPTS, OK, CLOSE OUT  
Remark: TRUCK ROLLED OVER - CLEANUP IS TAKING PLACE

D32  
SW  
< 1/8  
570 ft.

UNION CARBIDE  
3625 HIGHLAND AVENUE  
NIAGARA FALLS, NY

US BROWNFIELDS 1006881665  
N/A

Site 5 of 5 in cluster D

Relative:  
Equal

Actual:  
582 ft.

US BROWNFIELDS:  
Recipient Name: City of Niagara Falls  
Project Name: Niagara Falls, NY  
Name: Union Carbide  
Parcel #: Not reported  
Parcel size: 5.50  
Latitude: 43.120649  
Longitude: -79.045174  
HCM: Address Matching-House Number  
Map scale: 100000  
Point of reference: Entrance Point of a Facility or Station  
Horiz. collect. method: North American Datum of 1983  
ACRES property ID: 13207  
Start date: Not reported  
Complete date: 09/30/99  
Accomplishment: Cleanup Activity  
Ownership entity: Not reported  
  
Recipient Name: City of Niagara Falls  
Project Name: Niagara Falls, NY  
Name: Union Carbide  
Parcel #: Not reported  
Parcel size: 5.50  
Latitude: 43.120649  
Longitude: -79.045174  
HCM: Address Matching-House Number

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

UNION CARBIDE (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1006881665

Map scale: 100000  
Point of reference: Entrance Point of a Facility or Station  
Horiz. collect. method: North American Datum of 1983  
ACRES property ID: 13207  
Start date: Not reported  
Complete date: 06/30/98  
Accomplishment: Phase I Environmental Assessment  
Ownership entity: Not reported

33  
SW  
1/8-1/4  
677 ft.

OIL TANK AT WAREHOUSE  
3616 HIGHLAND AVENUE  
NIAGARA FALLS, NY

LTANKS  
HIST LTANKS

S103940595  
N/A

Relative:  
Equal

LTANKS:

Actual:  
582 ft.

Site ID: 83531  
Spill Date: 01/24/99  
Facility Addr2: Not reported  
Facility ID: 9875359  
Program Number: 9875359  
SWIS: 3211  
Region of Spill: 9  
Investigator: SACALAND  
Referred To: NIAGARA CNTY HEALTH DEPT  
Reported to Dept: 01/25/99  
CID: 29  
Spill Cause: Tank Failure  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Local Agency  
Cleanup Ceased: / /  
Cleanup Meets Standard: True  
Last Inspection: 02/01/99  
Recommended Penalty: Penalty Not Recommended  
UST Involvement: False  
Spill Class: Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: 06/04/99  
Remediation Phase: 0  
Date Entered In Computer: 01/25/99  
Spill Record Last Update: 06/15/99  
Spille Namer: VINCENT COX  
Spiller Company: BIONDAN & LP, INC.  
Spiller Phone: (800) 567-8383  
Spiller Extention: Not reported  
Spiller Address: 50 PRINCE ANDREW PLACE  
Spiller City,St,Zip: TORONTO, ONTARIO M3C2H4, ZZ -  
Spiller County: 001  
Spiller Contact: BO ERIAS  
Spiller Phone: (716) 297-1997  
Spiller Extention: Not reported  
DEC Region: 9  
Program Number: 9875359  
DER Facility ID: 76866  
Site ID: 83531  
Operable Unit ID: 1078645  
Operable Unit: 01  
Material ID: 306981



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

OIL TANK AT WAREHOUSE (Continued)

EDR ID Number  
EPA ID Number

Database(s)

S103940595

Material Code: 0001  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 150.00  
Units: Gallons  
Recovered: 150.00  
Resource Affected: Soil  
Oxygenate: False  
Site ID: Not reported  
Spill Tank Test: Not reported  
Tank Number: Not reported  
Tank Size: Not reported  
Test Method: Not reported  
Leak Rate: Not reported  
Gross Fail: Not reported  
Modified By: Not reported  
Last Modified: Not reported  
Test Method: Not reported  
DEC Memo:

Start DECRemark - 9875359 Prior to Sept, 2004 data translation this spill Lead  
DEC Field was "SAC-NCHD" 01/25/99: SAC TELECON CHRIS SCHMIDT, CITY OF NIAGARA FALLS, SPILL WAS REPORTED SUNDAY MORNING AT 2 AM WHEN A RESIDENT OF THE NEIGHBORING HOUSE NOTED ODORS IN HER HOUSE AND NOTIFIED THE FIRE DEPT., MR. SCHMIDT & THE COUNTY HEALTH DEPT. ALSO WERE NOTIFIED AND WERE ON-SCENE, THE SPILL WAS 150 GALLONS AND THE RPs REQUESTED A CALL BACK TO DISCUSS WHAT IS REQUIRED. THE CONTACT PERSON FOR THE RP ISMR. BO ERIAS AND HIS PAGER NUMBER IS (716) 744 - 1911. 01/25/99: SAC TELECON PAUL DICKY, NCHD, TONY ZACCARELLA WAS THE PERSON WHO RESPONDED OVER THE WEEKEND FOR THE COUNTY, MR. DICKY BELIEVES ELMWOOD TANK WAS HIRED TO DO CLEANUP, SAC TELECON JOESALM, ELMWOOD TANK & PIPING, MR. SALM SAID THEY WERE HIRED FOR THE WORK BUT WAS NOT ON THE PROJECT SO HE DID NOT KNOW WHAT ELMWOOD TANK WAS HIRED TO DO. 01/25/99: SAC TELECON MR. BO ERIAS, BIONDAN & LP, INC., MR. ERIAS IS THE CARETAKER OF THE WAREHOUSE PROPERTY AND THE LOCAL REPRESENTATIVE, HE WAS NOTIFIED OF THE PROBLEM THIS MORNING, MR. ERIAS SAID THAT ELMWOOD TANK WAS HIRED BY THE CITY TO EMPTY THE TANK OF ITS CONTENTS BUT NOT TO DO THE CLEANUP, MR. ERIAS SAID HE WAS GETTING A QUOTE FROM HASELEY TRUCKING FOR THE CLEANUP, SAC FAXED COPY OF CLEANUP CONTRACTORS TO HIM IN CASE HE DID NOT HEAR BACK FROM HASELEY TRUCKING IN A TIMELY FASHION. 01/25/99: SAC TELECON CHRIS SCHMIDT, CITY OF NIAGARA FALLS, SPILL WAS ABOUT FOUR FEET FROM HOUSE WHERE COMPLAINT HAD ORIGINATED, THE WOMEN WHO CALLED WAS A TENANT AND THE OWNER IS COLUMBUS & ANDORAS EZELL, 2732 21ST STREET, NIAGARA FALLS, NY. 14305, PAUL DICKY FOUND OUT THEIR PHONE NUMBER IS 282-3630 WHEN HE INSPECTED THE PROPERTY. 01/25/99: SAC TELECON PAUL DICKY, NCHD, SAC UPDATED MR. DICKY ON ALL INFORMATION COLLECTED, MR. DICKY THEN WENT TO INSPECT THE SITE, SPILL OCCURRED FROM AND ABOVEGROUND TANK THAT WAS FOUR FEET FROM THE RESIDENCE THAT WAS COMPLAINING OF THE ODORS, THE TANK HAD A DIKE MADE OF CONCRETE BLOCKS BUT THE DIKE FLOOR WAS DIRT AND DID NOT APPEAR TO CONTAIN THE SPILL, DUE TO THE SNOW THAT RECENTLY FELL AND COVERED THE GROUND, IT WAS DIFFICULT TO DETERMINE THE EXTENT OF THE SPILL, MR. DICKY INSPECTED THE HOME WHICH COMPLAINED OF ODORS, MR. DICKY DID OBSERVE FUEL OIL ODORS AND NOTED MOIST STAINS ON THE BASEMENT WALLS WHERE THE WALL HAD CRACKED, MR. DICKY SPOKE TO MR. ERIAS AND VINCENT COX THE REPRESENTATIVE FROM THE COMPANY'S TORONTO OFFICE, MR. DICKY DISCUSSED THE SITUATION WITH THEM AND THE NEED TO CLEANUP SPILL SOON, BOTH GENTLEMEN INDICATED THEY WANTED TO RESOLVE THE ISSUE AND HAVE SENT QUOTE REQUESTS OUT TO HASELEY TRUCKING & SEVENSON CONSTRUCTION AND SHOULD HEAR SOMETHING SOON, MR. DICKY ATTEMPTED TO CONTACT MR. & MRS. EZELL WHO OWN THE PREPROPERTY NEXT DOOR BUT WAS UNABLE TO DO SO. SAC LOOKED UP MR. ERIAS' ADDRESS IN PHONE BOOK, IT IS 2708 WHITNEY AVENUE, NIAGARA FALLS, NEW YORK

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**OIL TANK AT WAREHOUSE (Continued)**

**S103940595**

14301. 01/25/99: SAC SENT TREATMENT OPTION LETTER TO RP. 01/26/99: SAC TELECON MR. BO ERIAS, BIONDAN AT ABOUT 9:30 AM, THEY HAVE SENT THE QUOTES TO SEVENSON, & HASELEY AND SHOULD BE RECEIVING THE BIDS IN ABOUT AN HOUR, WORK WILL BEGIN IN EITHER THE AFTERNOON OR FIRST THING TOMORROW MORNING, MR. ERIASHAS CONTACTED MR. COLUMBUS EZELL WHO OWNS THE AFFECTED NEXT DOOR PROPERTY AND MR. EZELL IS SATISFIED WITH THE PROPOSED WORK SAC TELECON PAUL DICKY, HE HAD BEEN CONTACTED AND UPDATED ON THE STATUS OF THE WORK BY MR. VINCENT COX OF BIONDAN IN THE TORONTO OFFICE. 01/27/99: MR. BO ERIAS OF BIONDAN LEFT MESSAGE THAT SEVENSON ENVIRONMENTAL WAS HIRED TO DO THE CLEANUP AND THAT THEY ARE IN THE PROCESS OF DOING IT SAC TELECON PAUL DICKY, HE WILL BE FOLLOWING UP. 02/03/99: SAC RECEIVED COPY OF LETTER DATED 2/1/99 FROM PAUL DICKY TO VINCENT COX OF BIONDAN & L.P., INC, MR. DICKY STATES HE INSPECTED THE EXCAVATION ON 2/1/99, AND DID NOT OBSERVE ANY ODORS OR VISIBLE EVIDENCE OF FUEL AFTER THE EXCAVATION AND CLEANUP OF FUEL OIL CONTAMINATED SOIL, CONTAMINATED SOIL IS STAGED ON SITE PRESENTLY AND COMPLETION OF DISPOSAL ALONG WITH THE DISPOSAL RECEIPTS IS REQUIRED TO CLOSE THE SPILL. 06/03/99: SAC RECEIVED NCHD INSPECTION REPORT FROM PAUL DICKY, CLEANUP COMPLETED AND DISPOSAL RECEIPTS ATTACHED. END DECRemark - 9875359

Remarks: Start CallerRemark - 9875359 ABOVEGROUND TANK LEAKED END CallerRemark - 9875359

**HIST LTANKS:**

Region of Spill: 9  
Spill Number: 9875359  
Investigator: SAC-NCHD  
Caller Name: Not reported  
Caller Agency: Not reported  
Caller Phone: Not reported  
Caller Extension: Not reported  
Notifier Name: Not reported  
Notifier Agency: Not reported  
Notifier Phone: Not reported  
Notifier Extension: Not reported  
Spill Date: 01/24/1999  
Spill Time: 02:00  
Reported to Department Date: 01/25/99  
Reported to Department Time: 10:00  
SWIS: 29  
Spiller Contact: BO ERIAS  
Spiller Phone: (716) 297-1997  
Spiller Extension: Not reported  
Spiller Name: BIONDAN & LP, INC.  
Spiller Address: 50 PRINCE ANDREW PLACE  
Spiller City,St,Zip: TORONTO, ONTARIO M3C2H4 -  
Facility Contact: VINCENT COX  
Facility Phone: (800) 567-8383  
Facility Extension: Not reported  
Spill Cause: Tank Failure  
Resource Affectd: On Land  
Water Affected: Not reported  
Spill Source: Other Commercial/Industrial  
Spill Notifier: Local Agency  
PBS Number: Not reported  
Cleanup Ceased: / /  
Cleanup Meets Standard: True  
Last Inspection: 02/01/99  
Recommended Penalty: Penalty Not Recommended  
Spiller Cleanup Date: / /

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

OIL TANK AT WAREHOUSE (Continued)

EDR ID Number  
EPA ID Number

Database(s)

S103940595

Enforcement Date: / /  
Investigation Complete: / /  
UST Involvement: False  
Spill Class: Known release that creates a file or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: 06/04/99  
Date Region Sent Summary to Central Office: / /  
Corrective Action Plan Submitted: / /  
Date Spill Entered In Computer Data File: 01/25/99  
Time Spill Entered In Computer Data File: 15:40  
Spill Record Last Update: 06/15/99  
Is Updated: False  
PBS Number: Not reported  
Tank Number: Not reported  
Tank Size: Not reported  
Test Method: Not reported  
Leak Rate Failed Tank: Not reported  
Gross Leak Rate: Not reported  
Material Class Type: Petroleum  
Quantity Spilled: 150  
Unkonwn Quantity Spilled: False  
Units: Gallons  
Quantity Recovered: 150  
Unkonwn Quantity Recovered: False  
Material: #2 FUEL OIL  
Class Type: #2 FUEL OIL  
Times Material Entry In File: 24464  
CAS Number: Not reported  
Last Date: 19941207  
DEC Remarks: 01/25/99: SAC TELECON CHRIS SCHMIDT, CITY OF NIAGARA FALLS, SPILL WAS REPORTED SUNDAY MORNING AT 2 AM WHEN A RESIDENT OF THE NEIGHBORING HOUSE NOTED ODORS IN HER HOUSE AND NOTIFIED THE FIRE DEPT., MR. SCHMIDT THE COUNTY HEALTH DEPT. ALSO WERE NOTIFIED AND WERE ON-SCENE, THE SPILL WAS 150 GALLONS AND THE RPs REQUESTED A CALL BACK TO DISCUSS WHAT IS REQUIRED. THE CONTACT PERSON FOR THE RP IS MR. BO ERIAS AND HIS PAGER NUMBER IS 716) 744 - 1911. 01/25/99: SAC TELECON PAUL DICKY, NCHD, TONY ZACCARELLA WAS THE PERSON WHO RESPONDED OVER THE WEEKEND FOR THE COUNTY, MR. DICKY BELIEVES ELMWOOD TANK WAS HIRED TO DO CLEANUP, SAC TELECON JOE SALM, ELMWOOD TANK PIPING, MR. SALM SAID THEY WERE HIRED FOR THE WORK BUT WAS NOT ON THE PROJECT SO HE DID NOT KNOW WHAT ELMWOOD TANK WAS HIRED TO DO. 01/25/99: SAC TELECON MR. BO ERIAS, BIONDAN LP, INC., MR. ERIAS IS THE CARETAKER OF THE WAREHOUSE PROPERTY AND THE LOCAL REPRESENTATIVE, HE WAS NOTIFIED OF THE PROBLEM THIS MORNING, MR. ERIAS SAID THAT ELMWOOD TANK WAS HIRED BY THE CITY TO EMPTY THE TANK OF ITS CONTENTS BUT NOT TO DO THE CLEANUP, MR. ERIAS SAID HE WAS GETTING A QUOTE FROM HASELEY TRUCKING FOR THE CLEANUP, SAC FAXED COPY OF CLEANUP CONTRACTORS TO HIM IN CASE HE DID NOT HEAR BACK FROM HASELEY TRUCKING IN A TIMELY FASHION. 01/25/99: SAC TELECON CHRIS SCHMIDT, CITY OF NIAGARA FALLS, SPILL WAS ABOUT FOUR FEET FROM HOUSE WHERE COMPLAINT HAD ORIGINATED, THE WOMEN WHO CALLED WAS A TENANT AND THE OWNER IS COLUMBUS ANDORAS EZELL, 2732 21ST STREET, NIAGARA FALLS, NY. 14305, PAUL DICKY FOUND OUT THEIR PHONE NUMBER IS 282-3630 WHEN HE INSPECTED THE PROPERTY. 01/25/99: SAC TELECON PAUL DICKY, NCHD, SAC UPDATED MR. DICKY ON ALL INFORMATION COLLECTED, MR. DICKY THEN WENT TO INSPECT THE SITE, SPILL OCCURRED FROM AND ABOVEGROUND TANK THAT WAS FOUR FEET FROM THE RESIDENCE THAT WAS COMPLAINING OF THE ODORS, THE TANK HAD A DIKE MADE OF CONCRETE BLOCKS BUT THE DIKE FLOOR WAS DIRT AND DID NOT APPEAR TO CONTAIN THE SPILL, DUE TO THE SNOW THAT RECENTLY FELL AND COVERED THE GROUND, IT WAS DIFFICULT TO DETERMINE THE EXTENT OF THE SPILL, MR. DICKY INSPECTED THE HOME WHICH COMPLAINED OF ODORS,

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

OIL TANK AT WAREHOUSE (Continued)

S103940595

MR. DICKY DID OBSERVE FUEL OIL ODORS AND NOTED MOIST STAINS ON THE BASEMENT WALLS WHERE THE WALLHAD CRACKED, MR. DICKY SPOKE TO MR. ERIAS AND VINCENT COX THE REPRESENTATIVE FROM THE COMPANY S TORONTO OFFICE, MR. DICKY DISCUSSED THE SITUATION WITH THEM AND THE NEED TO CLEANUP SPILL SOON, BOTH GENTLEMEN INDICATED THEY WANTED TO RESOLVE THE ISSUEAND HAVE SENT QUOTE REQUESTS OUT TO HASELEY TRUCKING SEVENSON CONSTRUCTION AND SHOULD HEAR SOMETHING SOON, MR. DICKY ATTEMPTED TO CONTACT MR. MRS. EZELL WHO OWN THE PREOPERTY NEXT DOOR BUT WAS UNABLE TO DO SO. SAC LOOKED UP MR. ERIAS ADDRESS IN PHONE BOOK, IT IS 2708 WHITNEY AVENUE, NIAGARA FALLS, NEW YORK 14301. 01/25/99: SAC SENT TREATMENT OPTION LETTER TO RP. 01/26/99: SAC TELECON MR. BO ERIAS, BIONDAN AT ABOUT 9:30 AM, THEY HAVE SENT THE QUOTES TO SEVENSON, HASELEY AND SHOULD BE RECEIVINGTHE BIDS IN ABOUT AN HOUR, WORK WILL BEGIN IN EITHER THE AFTERNOON OR FIRST THING TOMORROW MORNING, MR. ERIAS HAS CONTACTED MR. COLUMBUS EZELL WHO OWNS THE AFFECTED NEXT DOOR PROPERTY AND MR. EZELL IS SATISFIED WITH THE PROPOSED WORK SAC TELECON PAUL DICKY, HE HAD BEEN CONTACTED AND UPDATED ON THE STATUS OF THE WORK BY MR. VINCENT COX OF BIONDAN IN THE TORONTO OFFICE. 01/27/99: MR. BO ERIAS OF BIONDAN LEFT MESSAGE THAT SEVENSON ENVIRONMENTAL WAS HIRED TO DO THE CLEANUP AND THAT THEY ARE IN THEPROCESS OF DOING IT SAC TELECON PAUL DICKY, HE WILL BE FOLLOWING UP. 02/03/99: SAC RECEIVED COPY OF LETTER DATED 2/1/99 FROM PAUL DICKY TO VINCENT COX OF BIONDAN L.P., INC, MR. DICKY STATES HE INSPECTED THE EXCAVATION ON 2/1/99, AND DID NOT OBSERVEANY ODORS OR VISIBLE EVIDENCE OF FUEL AFTER THE EXCAVATION AND CLEANUP OF FUEL OIL CONTAMINATED SOIL, CONTAMINATED SOIL IS STAGED ON SITE PRESENTLY AND COMPLETION OF DISPOSAL ALONG WITH THE DISPOSAL RECEIPTS IS REQUIRED TO CLOSE THE SPILL. 06/03/99:SAC RECEIVED NCHD INSPECTION REPORT FROM PAUL DICKY, CLEANUP COMPLETED AND DISPOSAL RECEIPTS ATTACHED.

Spill Cause: ABOVEGROUND TANK LEAKED

34  
West  
1/8-1/4  
750 ft.

CHISHOLM RYDER  
COLLEGE AT HIGHLAND  
NIAGARA FALLS, NY 14305

RCRA-SQG  
FINDS  
CERC-NFRAP  
NY MANIFEST

1000381774  
NYD002106656

Relative:  
Higher

RCRAInfo:  
Owner: PREMAX LTD PARTNERSHIP OF NF  
(212) 555-1212  
EPA ID: NYD002106656  
Contact: DONALD CHAPMAN  
(716) 285-0365

Actual:  
585 ft.

Classification: Conditionally Exempt Small Quantity Generator  
TSDF Activities: Not reported

Violation Status: Violations exist

Regulation Violated: Not reported  
Area of Violation: GENERATOR-ALL REQUIREMENTS (OVERSIGHT)  
Date Violation Determined: 12/01/1986  
Actual Date Achieved Compliance: 12/01/1986

There are 1 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Non-Financial Record Review	GENERATOR-ALL REQUIREMENTS (OVERSIGHT)	19861201

FINDS:

Other Pertinent Environmental Activity Identified at Site

RCRAInfo is a national information system that supports the Resource

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

CHISHOLM RYDER (Continued)

EDR ID Number  
EPA ID Number

1000381774

Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

CERC-NFRAP:

Site ID: 0201386  
Federal Facility: Not a Federal Facility  
NPL Status: Not on the NPL  
Non NPL Status: NFRAP

CERCLIS-NFRAP Site Alias Name(s):

Alias Name: PREMAX LTD PARTNERSHIP OF NF  
Alias Address: Not reported  
NIAGARA, NY

Site Description: FROM THE '40'S TIL APPROX '59, ASH FROM THE BURNING OF PLANT REFUSE WAS DISPOSED IN THE LF. OTHER WASTES SUSPECTED OF BEING DISPOSED ON-SITE INCLUDE PAINT, DEGREASING AND PLATING WASTES. SOIL SAMPLES FOUND ELEVATED LEVELS OF HEAVY METALS.

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY  
Date Started: Not reported  
Date Completed: 11/01/1981  
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT  
Date Started: 09/19/1986  
Date Completed: 09/29/1986  
Priority Level: NFRAP (No Futher Remedial Action Planned)

Action: SITE INSPECTION  
Date Started: 12/01/1989  
Date Completed: 03/26/1990  
Priority Level: NFRAP (No Futher Remedial Action Planned)

Action: ARCHIVE SITE  
Date Started: Not reported  
Date Completed: 03/26/1990  
Priority Level: Not reported

NY MANIFEST:

Document ID: NYB2870694  
Manifest Status: Completed copy  
Trans1 State ID: NY5555  
Trans2 State ID: Not reported  
Generator Ship Date: 910201  
Trans1 Recv Date: 910201  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 910201  
Part A Recv Date: 910212  
Part B Recv Date: 910212

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

CHISHOLM RYDER (Continued)

1000381774

Generator EPA ID: NYD002106656  
Trans1 EPA ID: NYD982792814  
Trans2 EPA ID: Not reported  
TSDF ID: NYD043815703  
Waste Code: F001 - UNKNOWN  
Quantity: 00055  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Waste Code: Not reported  
Quantity: 00055  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 090  
Year: 91  
Facility Type: Generator  
EPA ID: NYD002106656  
Facility Name: PREMAX LIMITED PARTNERSHIP OF NIAGARA  
Facility Address: FALLS - 3800 HIGHLAND AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: Not reported  
County: NIAGARA  
Mailing Name: PREMAX LIMITED PARTNERSHIP OF NIAGARA  
Mailing Contact: JAY FREER  
Mailing Address: FALLS-3800 HIGHLAND AVENUE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: Not reported  
Mailing Phone: 716-285-9186  
  
Document ID: NYB2723472  
Manifest Status: Completed copy  
Trans1 State ID: NY5555  
Trans2 State ID: Not reported  
Generator Ship Date: 911011  
Trans1 Recv Date: 911011  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 911011  
Part A Recv Date: 911028  
Part B Recv Date: 911029  
Generator EPA ID: NYD002106656  
Trans1 EPA ID: NYD982792814  
Trans2 EPA ID: Not reported  
TSDF ID: NYD043815703  
Waste Code: F003 - UNKNOWN  
Quantity: 00055  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**CHISHOLM RYDER (Continued)**

**1000381774**

Specific Gravity: 095  
Year: 91  
Facility Type: Generator  
EPA ID: NYD002106656  
Facility Name: PREMAX LIMITED PARTNERSHIP OF NIAGARA  
Facility Address: FALLS - 3800 HIGHLAND AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: Not reported  
County: NIAGARA  
Mailing Name: PREMAX LIMITED PARTNERSHIP OF NIAGARA  
Mailing Contact: JAY FREER  
Mailing Address: FALLS-3800 HIGHLAND AVENUE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: Not reported  
Mailing Phone: 716-285-9186

Document ID: NYB6752952  
Manifest Status: Completed copy  
Trans1 State ID: 997TMBNJ  
Trans2 State ID: Not reported  
Generator Ship Date: 941222  
Trans1 Recv Date: 941222  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 941223  
Part A Recv Date: 941230  
Part B Recv Date: 950109  
Generator EPA ID: NYD002106656  
Trans1 EPA ID: NJD054126164  
Trans2 EPA ID: Not reported  
TSDF ID: OHD980681571  
Waste Code: F003 - UNKNOWN  
Quantity: 00110  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 94  
Facility Type: Generator  
EPA ID: NYD002106656  
Facility Name: PREMAX LIMITED PARTNERSHIP OF NIAGARA  
Facility Address: FALLS - 3800 HIGHLAND AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: Not reported  
County: NIAGARA  
Mailing Name: PREMAX LIMITED PARTNERSHIP OF NIAGARA  
Mailing Contact: JAY FREER  
Mailing Address: FALLS-3800 HIGHLAND AVENUE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

CHISHOLM RYDER (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1000381774

Mailing Country:	Not reported
Mailing Phone:	716-285-9186
Document ID:	NYA5446413
Manifest Status:	Completed after the designated time period for a TSDF to get a copy to the DEC
Trans1 State ID:	9A-210
Trans2 State ID:	Not reported
Generator Ship Date:	880404
Trans1 Recv Date:	880404
Trans2 Recv Date:	Not reported
TSD Site Recv Date:	880404
Part A Recv Date:	880510
Part B Recv Date:	880518
Generator EPA ID:	NYD002106656
Trans1 EPA ID:	NYD038641601
Trans2 EPA ID:	Not reported
TSDF ID:	NYD038641601
Waste Code:	D001 - NON-LISTED IGNITABLE WASTES
Quantity:	00275
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	005
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00055
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	001
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Waste Code:	Not reported
Quantity:	00130
Units:	G - Gallons (liquids only)* (8.3 pounds)
Number of Containers:	004
Container Type:	DM - Metal drums, barrels
Handling Method:	B Incineration, heat recovery, burning.
Specific Gravity:	100
Year:	88
Facility Type:	Generator
EPA ID:	NYD002106656
Facility Name:	PREMAX LIMITED PARTNERSHIP OF NIAGARA
Facility Address:	FALLS - 3800 HIGHLAND AVE
Facility City:	NIAGARA FALLS
Facility Zip 4:	Not reported
Country:	Not reported
County:	NIAGARA
Mailing Name:	PREMAX LIMITED PARTNERSHIP OF NIAGARA
Mailing Contact:	JAY FREER
Mailing Address:	FALLS-3800 HIGHLAND AVENUE
Mailing City:	NIAGARA FALLS
Mailing State:	NY
Mailing Zip:	14305
Mailing Zip4:	Not reported
Mailing Country:	Not reported
Mailing Phone:	716-285-9186



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**CHISHOLM RYDER (Continued)**

**1000381774**

Document ID: NYA8045784  
Manifest Status: Completed copy  
Trans1 State ID: 000000000  
Trans2 State ID: 000000000  
Generator Ship Date: 890425  
Trans1 Recv Date: 890425  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 890426  
Part A Recv Date: 890516  
Part B Recv Date: 890503  
Generator EPA ID: NYD002106656  
Trans1 EPA ID: NYD051809952  
Trans2 EPA ID: Not reported  
TSDF ID: NYD043815703  
Waste Code: D001 - NON-LISTED IGNITABLE WASTES  
Quantity: 03102  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 002  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 097  
Year: 89  
Facility Type: Generator  
EPA ID: NYD002106656  
Facility Name: PREMAX LIMITED PARTNERSHIP OF NIAGARA  
Facility Address: FALLS - 3800 HIGHLAND AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: Not reported  
County: NIAGARA  
Mailing Name: PREMAX LIMITED PARTNERSHIP OF NIAGARA  
Mailing Contact: JAY FREER  
Mailing Address: FALLS-3800 HIGHLAND AVENUE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: Not reported  
Mailing Phone: 716-285-9186

Document ID: NYA8050032  
Manifest Status: Completed copy  
Trans1 State ID: 000000000  
Trans2 State ID: 000000000  
Generator Ship Date: 890511  
Trans1 Recv Date: 890511  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 890511  
Part A Recv Date: 890516  
Part B Recv Date: 890517  
Generator EPA ID: NYD002106656  
Trans1 EPA ID: NYD051809952  
Trans2 EPA ID: Not reported  
TSDF ID: NYD049836679  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 08820  
Units: P - Pounds

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**CHISHOLM RYDER (Continued)**

**1000381774**

Number of Containers: 001  
Container Type: CM - Metal boxes, cases, roll-offs  
Handling Method: L Landfill.  
Specific Gravity: 130  
Year: 89  
Facility Type: Generator  
EPA ID: NYD002106656  
Facility Name: PREMAX LIMITED PARTNERSHIP OF NIAGARA  
Facility Address: FALLS - 3800 HIGHLAND AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: Not reported  
County: NIAGARA  
Mailing Name: PREMAX LIMITED PARTNERSHIP OF NIAGARA  
Mailing Contact: JAY FREER  
Mailing Address: FALLS-3800 HIGHLAND AVENUE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: Not reported  
Mailing Phone: 716-285-9186

Document ID: NYA8050041  
Manifest Status: Completed copy  
Trans1 State ID: 000000000  
Trans2 State ID: 000000000  
Generator Ship Date: 890511  
Trans1 Recv Date: 890511  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 890511  
Part A Recv Date: 890516  
Part B Recv Date: 890517  
Generator EPA ID: NYD002106656  
Trans1 EPA ID: NYD051809952  
Trans2 EPA ID: Not reported  
TSDF ID: NYD049836679  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 08660  
Units: P - Pounds  
Number of Containers: 001  
Container Type: CM - Metal boxes, cases, roll-offs  
Handling Method: L Landfill.  
Specific Gravity: 130  
Year: 89  
Facility Type: Generator  
EPA ID: NYD002106656  
Facility Name: PREMAX LIMITED PARTNERSHIP OF NIAGARA  
Facility Address: FALLS - 3800 HIGHLAND AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: Not reported  
County: NIAGARA  
Mailing Name: PREMAX LIMITED PARTNERSHIP OF NIAGARA  
Mailing Contact: JAY FREER  
Mailing Address: FALLS-3800 HIGHLAND AVENUE  
Mailing City: NIAGARA FALLS

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

CHISHOLM RYDER (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1000381774

Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: Not reported  
Mailing Phone: 716-285-9186

Document ID: NYA8046171  
Manifest Status: Completed copy  
Trans1 State ID: 000000000  
Trans2 State ID: 000000000  
Generator Ship Date: 890510  
Trans1 Recv Date: 890510  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 890510  
Part A Recv Date: 890516  
Part B Recv Date: 890516  
Generator EPA ID: NYD002106656  
Trans1 EPA ID: NYD051809952  
Trans2 EPA ID: Not reported  
TSD ID: NYD049836679  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 10440  
Units: P - Pounds  
Number of Containers: 001  
Container Type: CM - Metal boxes, cases, roll-offs  
Handling Method: L Landfill.  
Specific Gravity: 130  
Year: 89  
Facility Type: Generator  
EPA ID: NYD002106656  
Facility Name: PREMAX LIMITED PARTNERSHIP OF NIAGARA  
Facility Address: FALLS - 3800 HIGHLAND AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: Not reported  
County: NIAGARA  
Mailing Name: PREMAX LIMITED PARTNERSHIP OF NIAGARA  
Mailing Contact: JAY FREER  
Mailing Address: FALLS-3800 HIGHLAND AVENUE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: Not reported  
Mailing Phone: 716-285-9186

Document ID: NYA8050509  
Manifest Status: Completed copy  
Trans1 State ID: 000000000  
Trans2 State ID: 000000000  
Generator Ship Date: 890602  
Trans1 Recv Date: 890602  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 890602  
Part A Recv Date: 890607  
Part B Recv Date: 890607  
Generator EPA ID: NYD002106656

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**CHISHOLM RYDER (Continued)**

**1000381774**

Trans1 EPA ID: NYD051809952  
Trans2 EPA ID: Not reported  
TSDF ID: NYD049836679  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 05820  
Units: P - Pounds  
Number of Containers: 001  
Container Type: CM - Metal boxes, cases, roll-offs  
Handling Method: L Landfill.  
Specific Gravity: 130  
Year: 89  
Facility Type: Generator  
EPA ID: NYD002106656  
Facility Name: PREMAX LIMITED PARTNERSHIP OF NIAGARA  
Facility Address: FALLS - 3800 HIGHLAND AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: Not reported  
County: NIAGARA  
Mailing Name: PREMAX LIMITED PARTNERSHIP OF NIAGARA  
Mailing Contact: JAY FREER  
Mailing Address: FALLS-3800 HIGHLAND AVENUE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: Not reported  
Mailing Phone: 716-285-9186  
  
Document ID: NYA8046027  
Manifest Status: Completed copy  
Trans1 State ID: 000000000  
Trans2 State ID: 000000000  
Generator Ship Date: 890504  
Trans1 Recv Date: 890504  
Trans2 Recv Date: 890505  
TSD Site Recv Date: 890505  
Part A Recv Date: 890516  
Part B Recv Date: 890510  
Generator EPA ID: NYD002106656  
Trans1 EPA ID: NYD051809952  
Trans2 EPA ID: NYD051809952  
TSDF ID: NYD049836679  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 20160  
Units: P - Pounds  
Number of Containers: 001  
Container Type: CM - Metal boxes, cases, roll-offs  
Handling Method: L Landfill.  
Specific Gravity: 130  
Year: 89  
Facility Type: Generator  
EPA ID: NYD002106656  
Facility Name: PREMAX LIMITED PARTNERSHIP OF NIAGARA  
Facility Address: FALLS - 3800 HIGHLAND AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**CHISHOLM RYDER (Continued)**

**1000381774**

Country: Not reported  
County: NIAGARA  
Mailing Name: PREMAX LIMITED PARTNERSHIP OF NIAGARA  
Mailing Contact: JAY FREER  
Mailing Address: FALLS-3800 HIGHLAND AVENUE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: Not reported  
Mailing Phone: 716-285-9186

Document ID: NYA8045793  
Manifest Status: Completed copy  
Trans1 State ID: 000000000  
Trans2 State ID: 000000000  
Generator Ship Date: 890426  
Trans1 Recv Date: 890426  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 890426  
Part A Recv Date: 890516  
Part B Recv Date: 890503  
Generator EPA ID: NYD002106656  
Trans1 EPA ID: NYD051809952  
Trans2 EPA ID: Not reported  
TSD ID: NYD043815703  
Waste Code: D009 - MERCURY 0.2 MG/L TCLP  
Quantity: 01647  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 100  
Year: 89  
Facility Type: Generator  
EPA ID: NYD002106656  
Facility Name: PREMAX LIMITED PARTNERSHIP OF NIAGARA  
Facility Address: FALLS - 3800 HIGHLAND AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: Not reported  
County: NIAGARA  
Mailing Name: PREMAX LIMITED PARTNERSHIP OF NIAGARA  
Mailing Contact: JAY FREER  
Mailing Address: FALLS-3800 HIGHLAND AVENUE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: Not reported  
Mailing Phone: 716-285-9186

Document ID: NYA8046054  
Manifest Status: Completed copy  
Trans1 State ID: 000000000  
Trans2 State ID: 000000000  
Generator Ship Date: 890505

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**CHISHOLM RYDER (Continued)**

**1000381774**

Trans1 Recv Date: 890505  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 890505  
Part A Recv Date: 890516  
Part B Recv Date: 890510  
Generator EPA ID: NYD002106656  
Trans1 EPA ID: NYD051809952  
Trans2 EPA ID: Not reported  
TSDF ID: NYD049836679  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 08680  
Units: P - Pounds  
Number of Containers: 001  
Container Type: CM - Metal boxes, cases, roll-offs  
Handling Method: L Landfill.  
Specific Gravity: 130  
Year: 89  
Facility Type: Generator  
EPA ID: NYD002106656  
Facility Name: PREMAX LIMITED PARTNERSHIP OF NIAGARA  
Facility Address: FALLS - 3800 HIGHLAND AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: Not reported  
County: NIAGARA  
Mailing Name: PREMAX LIMITED PARTNERSHIP OF NIAGARA  
Mailing Contact: JAY FREER  
Mailing Address: FALLS-3800 HIGHLAND AVENUE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: Not reported  
Mailing Phone: 716-285-9186  
  
Document ID: NYA8050194  
Manifest Status: Completed copy  
Trans1 State ID: 000000000  
Trans2 State ID: 000000000  
Generator Ship Date: 890517  
Trans1 Recv Date: 890517  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 890517  
Part A Recv Date: 890522  
Part B Recv Date: 890522  
Generator EPA ID: NYD002106656  
Trans1 EPA ID: NYD051809952  
Trans2 EPA ID: Not reported  
TSDF ID: NYD049836679  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 08840  
Units: P - Pounds  
Number of Containers: 001  
Container Type: CM - Metal boxes, cases, roll-offs  
Handling Method: L Landfill.  
Specific Gravity: 130  
Year: 89

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**CHISHOLM RYDER (Continued)**

**1000381774**

Facility Type: Generator  
EPA ID: NYD002106656  
Facility Name: PREMAX LIMITED PARTNERSHIP OF NIAGARA  
Facility Address: FALLS - 3800 HIGHLAND AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: Not reported  
County: NIAGARA  
Mailing Name: PREMAX LIMITED PARTNERSHIP OF NIAGARA  
Mailing Contact: JAY FREER  
Mailing Address: FALLS-3800 HIGHLAND AVENUE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: Not reported  
Mailing Phone: 716-285-9186

Document ID: NYA8051166  
Manifest Status: Completed copy  
Trans1 State ID: 000000000  
Trans2 State ID: 000000000  
Generator Ship Date: 890621  
Trans1 Recv Date: 890621  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 890621  
Part A Recv Date: 890623  
Part B Recv Date: 890627  
Generator EPA ID: NYD002106656  
Trans1 EPA ID: NYD980769947  
Trans2 EPA ID: Not reported  
TSD ID: NYD043815703  
Waste Code: D007 - CHROMIUM 5.0 MG/L TCLP  
Quantity: 00660  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 012  
Container Type: DM - Metal drums, barrels  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 100  
Waste Code: Not reported  
Quantity: 00165  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 003  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 090  
Year: 89

Facility Type: Generator  
EPA ID: NYD002106656  
Facility Name: PREMAX LIMITED PARTNERSHIP OF NIAGARA  
Facility Address: FALLS - 3800 HIGHLAND AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: Not reported  
County: NIAGARA  
Mailing Name: PREMAX LIMITED PARTNERSHIP OF NIAGARA  
Mailing Contact: JAY FREER

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

CHISHOLM RYDER (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1000381774

Mailing Address: FALLS-3800 HIGHLAND AVENUE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: Not reported  
Mailing Phone: 716-285-9186

Document ID: ARA3898470  
Manifest Status: Completed copy  
Trans1 State ID: PC745H46  
Trans2 State ID: Not reported  
Generator Ship Date: 890505  
Trans1 Recv Date: 890505  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 890508  
Part A Recv Date: 890517  
Part B Recv Date: 890518  
Generator EPA ID: NYD002106656  
Trans1 EPA ID: NYD097644801  
Trans2 EPA ID: Not reported  
TSDF ID: ARD069748192  
Waste Code: B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB  
Quantity: 07000  
Units: P - Pounds  
Number of Containers: 001  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 89  
Facility Type: Generator  
EPA ID: NYD002106656  
Facility Name: PREMAX LIMITED PARTNERSHIP OF NIAGARA  
Facility Address: FALLS - 3800 HIGHLAND AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: Not reported  
County: NIAGARA  
Mailing Name: PREMAX LIMITED PARTNERSHIP OF NIAGARA  
Mailing Contact: JAY FREER  
Mailing Address: FALLS-3800 HIGHLAND AVENUE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: Not reported  
Mailing Phone: 716-285-9186

Document ID: NYA8051409  
Manifest Status: Completed copy  
Trans1 State ID: 000000000  
Trans2 State ID: 000000000  
Generator Ship Date: 890626  
Trans1 Recv Date: 890626  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 890626  
Part A Recv Date: 890703



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**CHISHOLM RYDER (Continued)**

**1000381774**

Part B Recv Date: 890629  
Generator EPA ID: NYD002106656  
Trans1 EPA ID: NYD980769947  
Trans2 EPA ID: Not reported  
TSDF ID: NYD043815703  
Waste Code: D007 - CHROMIUM 5.0 MG/L TCLP  
Quantity: 00170  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 100  
Year: 89  
Facility Type: Generator  
EPA ID: NYD002106656  
Facility Name: PREMAX LIMITED PARTNERSHIP OF NIAGARA  
Facility Address: FALLS - 3800 HIGHLAND AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: Not reported  
County: NIAGARA  
Mailing Name: PREMAX LIMITED PARTNERSHIP OF NIAGARA  
Mailing Contact: JAY FREER  
Mailing Address: FALLS-3800 HIGHLAND AVENUE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: Not reported  
Mailing Phone: 716-285-9186

Document ID: NYA8045838  
Manifest Status: Completed copy  
Trans1 State ID: 000000000  
Trans2 State ID: 000000000  
Generator Ship Date: 890504  
Trans1 Recv Date: 890504  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 890504  
Part A Recv Date: 890516  
Part B Recv Date: 890510  
Generator EPA ID: NYD002106656  
Trans1 EPA ID: NYD051809952  
Trans2 EPA ID: Not reported  
TSDF ID: NYD049836679  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 10740  
Units: P - Pounds  
Number of Containers: 001  
Container Type: CM - Metal boxes, cases, roll-offs  
Handling Method: L Landfill.  
Specific Gravity: 130  
Year: 89  
Facility Type: Generator  
EPA ID: NYD002106656  
Facility Name: PREMAX LIMITED PARTNERSHIP OF NIAGARA  
Facility Address: FALLS - 3800 HIGHLAND AVE

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**CHISHOLM RYDER (Continued)**

**1000381774**

Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: Not reported  
County: NIAGARA  
Mailing Name: PREMAX LIMITED PARTNERSHIP OF NIAGARA  
Mailing Contact: JAY FREER  
Mailing Address: FALLS-3800 HIGHLAND AVENUE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: Not reported  
Mailing Phone: 716-285-9186

Document ID: NYA8050185  
Manifest Status: Completed copy  
Trans1 State ID: 000000000  
Trans2 State ID: 000000000  
Generator Ship Date: 890517  
Trans1 Recv Date: 890517  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 890517  
Part A Recv Date: 890519  
Part B Recv Date: 890522  
Generator EPA ID: NYD002106656  
Trans1 EPA ID: NYD051809952  
Trans2 EPA ID: Not reported  
TSDF ID: NYD049836679  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 09180  
Units: P - Pounds  
Number of Containers: 001  
Container Type: CM - Metal boxes, cases, roll-offs  
Handling Method: L Landfill.  
Specific Gravity: 130  
Year: 89  
Facility Type: Generator  
EPA ID: NYD002106656  
Facility Name: PREMAX LIMITED PARTNERSHIP OF NIAGARA  
Facility Address: FALLS - 3800 HIGHLAND AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: Not reported  
County: NIAGARA  
Mailing Name: PREMAX LIMITED PARTNERSHIP OF NIAGARA  
Mailing Contact: JAY FREER  
Mailing Address: FALLS-3800 HIGHLAND AVENUE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: Not reported  
Mailing Phone: 716-285-9186

Document ID: NYA8050617  
Manifest Status: Completed copy  
Trans1 State ID: 000000000

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**CHISHOLM RYDER (Continued)**

**1000381774**

Trans2 State ID: 000000000  
Generator Ship Date: 890714  
Trans1 Recv Date: 890714  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 890714  
Part A Recv Date: 890726  
Part B Recv Date: 890720  
Generator EPA ID: NYD002106656  
Trans1 EPA ID: NYD980769947  
Trans2 EPA ID: Not reported  
TSDF ID: NYD049836679  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 01000  
Units: P - Pounds  
Number of Containers: 004  
Container Type: DM - Metal drums, barrels  
Handling Method: L Landfill.  
Specific Gravity: 100  
Year: 89  
Facility Type: Generator  
EPA ID: NYD002106656  
Facility Name: PREMAX LIMITED PARTNERSHIP OF NIAGARA  
Facility Address: FALLS - 3800 HIGHLAND AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: Not reported  
County: NIAGARA  
Mailing Name: PREMAX LIMITED PARTNERSHIP OF NIAGARA  
Mailing Contact: JAY FREER  
Mailing Address: FALLS-3800 HIGHLAND AVENUE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: Not reported  
Mailing Phone: 716-285-9186  
  
Document ID: NYA8050662  
Manifest Status: Completed copy  
Trans1 State ID: 000000000  
Trans2 State ID: 000000000  
Generator Ship Date: 890814  
Trans1 Recv Date: 890814  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 890814  
Part A Recv Date: 890818  
Part B Recv Date: 890817  
Generator EPA ID: NYD002106656  
Trans1 EPA ID: NYD980769947  
Trans2 EPA ID: Not reported  
TSDF ID: NYD049836679  
Waste Code: B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB  
Quantity: 00330  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 006  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

CHISHOLM RYDER (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1000381774

Specific Gravity: 100  
Year: 89  
Facility Type: Generator  
EPA ID: NYD002106656  
Facility Name: PREMAX LIMITED PARTNERSHIP OF NIAGARA  
Facility Address: FALLS - 3800 HIGHLAND AVE  
Facility City: NIAGARA FALLS  
Facility Zip 4: Not reported  
Country: Not reported  
County: NIAGARA  
Mailing Name: PREMAX LIMITED PARTNERSHIP OF NIAGARA  
Mailing Contact: JAY FREER  
Mailing Address: FALLS-3800 HIGHLAND AVENUE  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: Not reported  
Mailing Country: Not reported  
Mailing Phone: 716-285-9186

[Click this hyperlink](#) while viewing on your computer to access  
7 additional NY\_MANIFEST: record(s) in the EDR Site Report.

35  
East  
1/8-1/4  
774 ft.

HAZORB PROPERTY  
1731-1903 COLLEGE  
NIAGARA FALLS, NY

US BROWNFIELDS 1008376052  
N/A

Relative:  
Higher

US BROWNFIELDS:

Actual:  
583 ft.

Recipient Name: City of Niagara Falls  
Project Name: Niagara Falls, NY  
Name: HAZORB property  
Parcel #: Not reported  
Parcel size: 5.20  
Latitude: 43.1218  
Longitude: -79.041196  
HCM: Address Matching-House Number  
Map scale: 100000  
Point of reference: Entrance Point of a Facility or Station  
Horiz. collect. method: North American Datum of 1983  
ACRES property ID: 13210  
Start date: Not reported  
Complete date: 06/30/99  
Accomplishment: Phase I Environmental Assessment  
Ownership entity: Not reported

F36  
West  
1/8-1/4  
801 ft.

LAUR & MACK CONTRACTORS  
1400 COLLEGE AVENUE  
NIAGARA FALLS, NY

LTANKS S100117975  
HIST LTANKS N/A

Site 1 of 3 in cluster F

Relative:  
Equal

LTANKS:

Actual:  
582 ft.

Site ID: 107461  
Spill Date: 08/16/89  
Facility Addr2: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**LAUR & MACK CONTRACTORS (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**S100117975**

Facility ID: 8904888  
Program Number: 8904888  
SWIS: 3211  
Region of Spill: 9  
Investigator: COOKE  
Referred To: Not reported  
Reported to Dept: 08/17/89  
CID: 29  
Spill Cause: Tank Test Failure  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Tank Tester  
Cleanup Ceased: 08/25/89  
Cleanup Meets Standard: True  
Last Inspection: 08/25/89  
Recommended Penalty: Penalty Not Recommended  
UST Involvement: True  
Spill Class: Not reported  
Spill Closed Dt: 11/06/89  
Remediation Phase: 0  
Date Entered In Computer: 08/17/89  
Spill Record Last Update: 11/21/89  
Spille Namer: Not reported  
Spiller Company: LAUR & MACK CONTRACTORS  
Spiller Phone: (716) 284-0481  
Spiller Extention: Not reported  
Spiller Address: 1400 COLLEGE AVENUE  
Spiller City,St,Zip: NIAGARA FALLS, NY 14302  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 9  
Program Number: 8904888  
DER Facility ID: 94525  
Site ID: 107461  
Operable Unit ID: 932637  
Operable Unit: 01  
Material ID: 448916  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0.00  
Units: Gallons  
Recovered: 0.00  
Resource Affected: Groundwater  
Oxygenate: False  
Site ID: 107461  
Spill Tank Test: 10432  
Tank Number: Not reported  
Tank Size: 0  
Test Method: 00  
Leak Rate: 0.00  
Gross Fail: Not reported  
Modified By: Spills  
Last Modified: 10/01/04

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

LAUR & MACK CONTRACTORS (Continued)

S100117975

Test Method: Unknown  
DEC Memo: Start DECRemark - 8904888 Prior to Sept, 2004 data translation this spill Lead  
DEC Field was "JDC" 08/17/89: TANK TO BE RETESTED. LETTER SENT TO SPILLER  
OUTLINING REMEDIAL OPTIONS. 08/25/89: INSPECTED TANK EXCAVATION AND FOUND NO  
CONTAMINATION. WILL CLOSE FILE WHEN DISPOSAL HAS BEEN CONFIRMED. 08/25/89:  
CONTAMINATED SOIL FOUND AT TOP OF TANK. SOIL ON PLASTIC AWATIING DISPOSAL.  
10/26/89: JDC CONTACTED MR G MACK AND REQUESTED FINAL DISPOSAL INFORMATION. HE  
WILL BE FORWARDING REQUIRED DOCUEMENTS. 11/06/89: RECIEVED DISPOSAL  
VARIFICATION 10/31/89 AND FOUND ALL PAPERWORK TO BE IN ORDER. NO FURTHER ACTION  
WILL BE REQUIRED OF THIS UNIT. END DECRemark - 8904888  
Remarks: Start CallerRemark - 8904888 INITIAL TANK TEST FAILER AT 0.065 GPH. PETRO-TITE  
END CallerRemark - 8904888

HIST LTANKS:

Region of Spill: 9  
Spill Number: 8904888  
Investigator: JDC  
Caller Name: Not reported  
Caller Agency: Not reported  
Caller Phone: Not reported  
Caller Extension: Not reported  
Notifier Name: Not reported  
Notifier Agency: Not reported  
Notifier Phone: Not reported  
Notifier Extension: Not reported  
Spill Date: 08/16/1989  
Spill Time: 17:30  
Reported to Department Date: 08/17/89  
Reported to Department Time: 08:55  
SWIS: 29  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
Spiller Name: LAUR & MACK CONTRACTORS  
Spiller Address: 1400 COLLEGE AVENUE  
Spiller City,St,Zip: NIAGARA FALLS, NY 14302  
Facility Contact: Not reported  
Facility Phone: (716) 284-0481  
Facility Extention: Not reported  
Spill Cause: Tank Test Failure  
Resource Affectd: Groundwater  
Water Affected: Not reported  
Spill Source: Other Commercial/Industrial  
Spill Notifier: Tank Tester  
PBS Number: Not reported  
Cleanup Ceased: 08/25/89  
Cleanup Meets Standard: True  
Last Inspection: 08/25/89  
Recommended Penalty: Penalty Not Recommended  
Spiller Cleanup Date: / /  
Enforcement Date: / /  
Investigation Complete: / /  
UST Involvement: True  
Spill Class: Not reported  
Spill Closed Dt: 11/06/89  
Date Region Sent Summary to Central Office: / /  
Corrective Action Plan Submitted: / /

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**LAUR & MACK CONTRACTORS (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**S100117975**

Date Spill Entered In Computer Data File: 08/17/89  
Time Spill Entered In Computer Data File: Not reported  
Spill Record Last Update: 11/21/89  
Is Updated: False  
PBS Number: Not reported  
Tank Number: Not reported  
Tank Size: 0  
Test Method: Not reported  
Leak Rate Failed Tank: 0.00  
Gross Leak Rate: Not reported  
Material Class Type: Petroleum  
Quantity Spilled: 0  
Unkonwn Quantity Spilled: False  
Units: Gallons  
Quantity Recovered: 0  
Unkonwn Quantity Recovered: False  
Material: GASOLINE  
Class Type: GASOLINE  
Times Material Entry In File: 21329  
CAS Number: Not reported  
Last Date: 19940929  
DEC Remarks: 08/17/89: TANK TO BE RETESTED. LETTER SENT TO SPILLER OUTLINING REMEDIAL  
OPTIONS. 08/25/89: INSPECTED TANK EXCAVATION AND FOUND NO CONTAMINATION. WILL  
CLOSE FILE WHEN DISPOSAL HAS BEEN CONFIRMED. 08/25/89: CONTAMINATED SOIL FOUND  
AT TOP OF TANK. SOIL ON PLASTIC AWATIING DISPOSAL. 10/26/89: JDC CONTACTED MR G  
MACK AND REQUESTED FINAL DISPOSA INFORMATION. HE WILL BE FORWARDING REQUIRED  
DOCUEMENTS. 11/06/89: RECIEVED DISPOSAL VARIFICATION 10/31/89 AND FOUND ALL  
PAPERWORK TO BE IN ORDER. NO FURTHER ACTION WILL BE REQUIRED OF THIS UNIT.  
Spill Cause: INITIAL TANK TEST FAILER AT 0.065 GPH. PETRO-TITE

**F37**  
**West**  
**1/8-1/4**  
**801 ft.**

**LAUR & MACK CONTRACTING CO INC**  
**1400 COLLEGE AVE**  
**NIAGARA FALLS, NY 14302**

**RCRA-SQG**  
**FINDS**  
**UST**  
**NY MANIFEST**  
**HIST UST**

**1000350821**  
**NYD009777129**

**Relative:**  
**Equal**

**Site 2 of 3 in cluster F**

**Actual:**  
**582 ft.**

RCRAInfo:  
Owner: CORPORATION-STATE OF NEW YORK  
(212) 555-1212  
EPA ID: NYD009777129  
Contact: GEORGE MACK  
(716) 284-0481  
Classification: Small Quantity Generator  
TSDF Activities: Not reported  
Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site

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

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**LAUR & MACK CONTRACTING CO INC (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1000350821**

UST:

UST:

Facility Id: 9-387320  
Expiration Date: 08/17/07  
Renewal Date: 04/04/02  
Total Capacity: 2000  
Facility Type: Not reported  
Mailing Company: Not reported  
Mailing Title: Not reported  
Mailing Contact: GEORGE L. MACK  
Mailing Address: 6 MARBURG LANE  
Mailing Address 2: Not reported  
Mailing City: SAVANNAH  
Mailing State: GA  
Mailing Zip Code: 31411  
Mailing Phone No: (912) 441-6667  
Mailing Email: Not reported  
Owner Title: Not reported  
Owner Name: Not reported  
Owner Address: 6 MARBURG LANE  
Owner Address 2: Not reported  
Owner State: GA  
Owner Zip Code: 31411  
Owner Phone: (912) 441-6667  
Owner Company: GEORGE L. MACK  
Emergency Contact: GEORGE MACK  
Emergency Phone: (912) 441-6667  
Operator: VACANT  
Operator Phone: (999) 999-9999  
Owner City: SAVANNAH  
Owner Sub Type: Corporate or Commercial  
Program Type: PBS

Tank Number: 1  
Tank Location Name: Underground  
Tank Status: Closed - Removed  
Tank Model: Not reported  
Pipe Model: Not reported  
Active Status: Inactive  
Install Date: 01/01/80  
Capacity Gallons: 3000  
Material Name: Gasoline  
Percentage: 100.00  
Tank Type Name: Steel/Carbon Steel/Iron  
Tank Internal Protection: None  
Tank Internal Protection 1: Painted/Asphalt Coating  
Tank Internal Protection 2: Not reported  
Pipe Location Name: Underground/On-ground  
Pipe Type Name: Galvanized Steel  
Pipe External Protection 1: None  
Pipe External Protection 2: Not reported  
Tank Secondary Containment 1: None  
Tank Secondary Containment 2: Not reported  
Pipe Secondary Containment: Not reported  
Tank Leak Detection 1: None  
Tank Leak Detection 2: Not reported



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**LAUR & MACK CONTRACTING CO INC (Continued)**

**1000350821**

Pipe Leak Detection 1: Not reported  
Pipe Leak Detection 2: Not reported  
Type Of Overfill Prevention 1: Product Level Gauge (A/G)  
Type Of Overfill Prevention 2: Not reported  
Dispenser Method: Suction  
Spill Prevention: Not reported  
Tightness Test Method: Petro-Tite/Petro Comp  
Date Tested: 06/01/89  
Next Test Date: / /  
Date Tank Closed: 06/01/94

Tank Number: 2  
Tank Location Name: Underground  
Tank Status: Closed Prior to Micro Conversion, 03/91  
Tank Model: Not reported  
Pipe Model: Not reported  
Active Status: Inactive  
Install Date: 01/01/81  
Capacity Gallons: 5775  
Material Name: Diesel  
Percentage: 100.00  
Tank Type Name: Steel/Carbon Steel/Iron  
Tank Internal Protection: None  
Tank Internal Protection 1: None  
Tank Internal Protection 2: Not reported  
Pipe Location Name: No Piping  
Pipe Type Name: Galvanized Steel  
Pipe External Protection 1: None  
Pipe External Protection 2: Not reported  
Tank Secondary Containment 1: None  
Tank Secondary Containment 2: Not reported  
Pipe Secondary Containment: Not reported  
Tank Leak Detection 1: None  
Tank Leak Detection 2: Not reported  
Pipe Leak Detection 1: Not reported  
Pipe Leak Detection 2: Not reported  
Type Of Overfill Prevention 1: Product Level Gauge (A/G)  
Type Of Overfill Prevention 2: Not reported  
Dispenser Method: Suction  
Spill Prevention: Not reported  
Tightness Test Method: Testing Not Required  
Date Tested: / /  
Next Test Date: / /  
Date Tank Closed: / /

Tank Number: 3  
Tank Location Name: Underground  
Tank Status: Temporarily Out of Service  
Tank Model: Not reported  
Pipe Model: Not reported  
Active Status: Active  
Install Date: 09/01/89  
Capacity Gallons: 2000  
Material Name: Diesel  
Percentage: 100.00

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**LAUR & MACK CONTRACTING CO INC (Continued)**

**1000350821**

Tank Type Name: Steel/Carbon Steel/Iron  
Tank Internal Protection: None  
Tank Internal Protection 1: Original Sacrificial Anode  
Tank Internal Protection 2: Not reported  
Pipe Location Name: Underground/On-ground  
Pipe Type Name: Galvanized Steel  
Pipe External Protection 1: Original Sacrificial Anode  
Pipe External Protection 2: Not reported  
Tank Secondary Containment 1: Double-Walled (Underground)  
Tank Secondary Containment 2: Not reported  
Pipe Secondary Containment: Not reported  
Tank Leak Detection 1: Interstitial - Electronic Monitoring  
Tank Leak Detection 2: Not reported  
Pipe Leak Detection 1: Exempt Suction Piping  
Pipe Leak Detection 2: Not reported  
Type Of Overfill Prevention 1: Float Vent Valve  
Type Of Overfill Prevention 2: Not reported  
Dispenser Method: Suction  
Spill Prevention: Not reported  
Tightness Test Method: Testing Not Required  
Date Tested: / /  
Next Test Date: / /  
Date Tank Closed: / /

**NY MANIFEST:**

No Manifest Records Available

**HIST UST:**

PBS Number: 9-387320  
SPDES Number: Not reported  
Emergency Contact: HERBERT PORTER  
Emergency Telephone: (716) 285-1199  
Operator: LAUR & MACK CONTRACTING CO INC  
Operator Telephone: (716) 284-0481  
Owner Name: LAUR & MACK CONTRACTING CO INC  
Owner Address: 1400 COLLEGE AVE  
Owner City,St,Zip: NIAGARA FALLS, NY 14302-0805  
Owner Telephone: (716) 284-0481  
Owner Type: Corporate/Commercial  
Owner Subtype: Not reported  
Mailing Name: LAUR & MACK CONTRACTING CO INC  
Mailing Address: 1400 COLLEGE AVE  
Mailing Address 2: P.O. BOX 805  
Mailing City,St,Zip: NIAGARA FALLS, NY 14302-0805  
Mailing Contact: GEORGE L. MACK  
Mailing Telephone: (716) 284-0481  
Owner Mark: First Owner  
Facility Status: 1 - Active PBS facility, i.e. total capacity of the PBS tanks is greater than 1,100 gallons, regardless if Subpart 360-14 tanks exist or not at the facility.  
Facility Addr2: Not reported  
SWIS ID: 2911  
Old PBS Number: Not reported  
Facility Type: OTHER  
Inspected Date: 19991110  
Inspector: PFK

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**LAUR & MACK CONTRACTING CO INC (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1000350821**

Inspection Result: Not reported  
Federal ID: Not reported  
Certification Flag: False  
Certification Date: 02/02/1998  
Expiration Date: 08/17/2002  
Renew Flag: False  
Renewal Date: 19920527  
Total Capacity: 2000  
FAMT: True  
Facility Screen: No Missing Data  
Owner Screen: No Missing Data  
Tank Screen: No Missing Data  
Dead Letter: False  
CBS Number: Not reported  
Town or City: NIAGARA FALLS (C)  
County Code: 29  
Town or City: 11  
Region: 9  
  
Tank Id: 1  
Tank Location: UNDERGROUND  
Tank Status: Closed-Removed  
Install Date: 19800101  
Capacity (gals): 3000  
Product Stored: LEADED GASOLINE  
Tank Type: Steel/carbon steel  
Tank Internal: None  
Tank External: 10  
Pipe Location: Underground  
Pipe Type: GALVANIZED STEEL  
Pipe Internal: None  
Pipe External: None  
Second Containment: None  
Leak Detection: None  
Overfill Prot: Product Level Gauge, None  
Dispenser: Suction  
Date Tested: 06/01/1989  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: 06/01/1994  
Test Method: Petro-Tite  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 2  
Tank Location: UNDERGROUND  
Tank Status: Closed Before April 1, 1991  
Install Date: 19810101  
Capacity (gals): 5775  
Product Stored: DIESEL  
Tank Type: Steel/carbon steel  
Tank Internal: None  
Tank External: None  
Pipe Location: None  
Pipe Type: GALVANIZED STEEL

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**LAUR & MACK CONTRACTING CO INC (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1000350821**

Pipe Internal: None  
Pipe External: None  
Second Containment: None  
Leak Detection: None  
Overfill Prot: Product Level Gauge, None  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

Tank Id: 3  
Tank Location: UNDERGROUND  
Tank Status: Temporarily Out Of Service  
Install Date: 19890901  
Capacity (gals): 2000  
Product Stored: DIESEL  
Tank Type: Steel/carbon steel  
Tank Internal: None  
Tank External: 20  
Pipe Location: Underground  
Pipe Type: GALVANIZED STEEL  
Pipe Internal: None  
Pipe External: 20  
Second Containment: 20  
Leak Detection: 10  
Overfill Prot: Float Vent Valve, None  
Dispenser: Suction  
Date Tested: Not reported  
Next Test Date: Not reported  
Missing Data for Tank: No Missing Data  
Date Closed: Not reported  
Test Method: Not reported  
Deleted: False  
Updated: True  
Lat/long: Not reported

**F38  
West  
1/8-1/4  
801 ft.**

**LAUR AND MAC  
1400 COLLEGE AVENUE  
NIAGARA FALLS, NY**

**LTANKS S101174728  
HIST LTANKS N/A**

**Site 3 of 3 in cluster F**

**Relative:  
Equal**

LTANKS:  
Site ID: 107462  
Spill Date: 06/14/94  
Facility Addr2: Not reported  
Facility ID: 9403622  
Program Number: 9403622  
SWIS: 3211  
Region of Spill: 9  
Investigator: COOKE  
Referred To: NIAGARA CNTY HEALTH DEPT

**Actual:  
582 ft.**

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

LAUR AND MAC (Continued)

EDR ID Number  
EPA ID Number

Database(s)

S101174728

Reported to Dept: 06/14/94  
CID: 29  
Spill Cause: Tank Failure  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: 11/23/94  
Cleanup Meets Standard: True  
Last Inspection: 06/14/94  
Recommended Penalty: Penalty Not Recommended  
UST Involvement: True  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: 11/23/94  
Remediation Phase: 0  
Date Entered In Computer: 06/16/94  
Spill Record Last Update: 11/30/94  
Spille Namer: Not reported  
Spiller Company: LAUR & MAC CONTRACTING CO  
Spiller Phone: (716) 284-0481  
Spiller Extention: Not reported  
Spiller Address: 1400 COLLEGE AVENUE  
Spiller City,St,Zip: NIAGARA FALLS, NY 14302  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 9  
Program Number: 9403622  
DER Facility ID: 94525  
Site ID: 107462  
Operable Unit ID: 1000653  
Operable Unit: 01  
Material ID: 383801  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0.00  
Units: Gallons  
Recovered: 0.00  
Resource Affected: Groundwater  
Oxygenate: False  
Site ID: 107462  
Spill Tank Test: 17431  
Tank Number: 001  
Tank Size: 0  
Test Method: 00  
Leak Rate: 0.00  
Gross Fail: Not reported  
Modified By: Spills  
Last Modified: 10/01/04  
Test Method: Unknown  
DEC Memo: Start DECRemark - 9403622 Prior to Sept, 2004 data translation this spill Lead  
DEC Field was "JDC-NCHD" 06/14/94: JDC TELCON W/ J CLOC, ELMWOOD TANK. APPX  
10CU YRDS SOIL REMOVED AND STAGED FOR TESTING AND DISPOSAL. B BUZZELLI, NCHD  
TO INSPECT. 06/17/94: SENT REMEDIATION LETTER TO RP, RESPONSE DATE 7/6/94.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

LAUR AND MAC (Continued)

S101174728

Remarks: 07/22/94: SENT NO RESPONSE LETTER 7/22/94. 07/27/94: JDC TELCON W/ MR MAC, WAITING FOR LAB ANALYSIS CK BK 8/12/94. 07/29/94: ANALITCAL RESULTS WNL, NEED DISPOSAL RECEIPTS. 10/05/94:JDC TELCON JOE CLOCK, ELMWOOD TK, SOIL BEING COLLECTED FOR DISPOSAL TO MODERN, REQUESTED DISPOSAL RECEIPTS. 11/23/94: RECEIVED NCHD REPORT W/ DISPOSAL RECEIPT. POST ANALYSIS SATISFACTORY, NO FURTHER ACTION REQUIRED. END DECRemark - 9403622  
Start CallerRemark - 9403622 3,000 GALLON GASOLINE TANK REMOVED, CONTAMINATION FOUND. END CallerRemark - 9403622

HIST LTANKS:

Region of Spill: 9  
Spill Number: 9403622  
Investigator: JDC-NCHD  
Caller Name: Not reported  
Caller Agency: Not reported  
Caller Phone: Not reported  
Caller Extension: Not reported  
Notifier Name: Not reported  
Notifier Agency: Not reported  
Notifier Phone: Not reported  
Notifier Extension: Not reported  
Spill Date: 06/14/1994  
Spill Time: 09:30  
Reported to Department Date: 06/14/94  
Reported to Department Time: 09:50  
SWIS: 29  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
Spiller Name: LAUR & MAC CONTRACTING CO  
Spiller Address: 1400 COLLEGE AVENUE  
Spiller City,St,Zip: NIAGARA FALLS, NY 14302  
Facility Contact: Not reported  
Facility Phone: (716) 284-0481  
Facility Extention: Not reported  
Spill Cause: Tank Failure  
Resource Affectd: Groundwater  
Water Affected: Not reported  
Spill Source: Other Commercial/Industrial  
Spill Notifier: Responsible Party  
PBS Number: 9-387320  
Cleanup Ceased: 11/23/94  
Cleanup Meets Standard: True  
Last Inspection: 06/14/94  
Recommended Penalty: Penalty Not Recommended  
Spiller Cleanup Date: / /  
Enforcement Date: / /  
Investigation Complete: / /  
UST Involvement: True  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: 11/23/94  
Date Region Sent Summary to Central Office: / /  
Corrective Action Plan Submitted: / /  
Date Spill Entered In Computer Data File: 06/16/94  
Time Spill Entered In Computer Data File: Not reported  
Spill Record Last Update: 11/30/94

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

LAUR AND MAC (Continued)

EDR ID Number  
EPA ID Number

Database(s)

S101174728

Is Updated: False  
PBS Number: Not reported  
Tank Number: 001  
Tank Size: 0  
Test Method: Not reported  
Leak Rate Failed Tank: 0.00  
Gross Leak Rate: Not reported  
Material Class Type: Petroleum  
Quantity Spilled: 0  
Unkonwn Quantity Spilled: False  
Units: Gallons  
Quantity Recovered: 0  
Unkonwn Quantity Recovered: False  
Material: GASOLINE  
Class Type: GASOLINE  
Times Material Entry In File: 21329  
CAS Number: Not reported  
Last Date: 19940929  
DEC Remarks: 06/14/94: JDC TELCON W/ J CLOC, ELMWOOD TANK. APPX 10CU YRDS SOIL REMOVED AND STAGED FOR TESTING AND DISPOSAL. B BUZZELLI, NCHD TO INSPECT. 06/17/94: SENT REMEDIATION LETTER TO RP, RESPONSE DATE 7/6/94. 07/22/94: SENT NO RESPONSE LETTER 7/22/94. 07/27/94: JDC TELCON W/ MR MAC, WAITING FOR LAB ANALYSIS CK BK 8/12/94. 07/29/94: ANALITCAL RESULTS WNL, NEED DISPOSAL RECEIPTS. 10/05/94: JDC TELCON JOE CLOC, ELMWOOD TK, SOIL BEING COLLECTED FOR DISPOSAL TO MODERN, REQUESTED DISPOSAL RECEIPTS. 11/23/94: RECEIVED NCHD REPORT W/ DISPOSAL RECEIPT. POST ANALYSIS SATISFACTORY, NO FURTHER ACTION REQUIRED.  
Spill Cause: 3,000 GALLON GASOLINE TANK REMOVED, CONTAMINATION FOUND.

39  
NNE  
1/8-1/4  
1100 ft.

MARYLAND/MAPLE  
4119 HIGHLAND AVENUE  
NIAGARA FALLS, NY 14305

US BROWNFIELDS 1008376055  
N/A

Relative:  
Higher

US BROWNFIELDS:

Actual:  
589 ft.

Recipient Name: City of Niagara Falls  
Project Name: Niagara Falls, NY  
Name: Maryland/Maple  
Parcel #: Not reported  
Parcel size: 1.30  
Latitude: 43.124535  
Longitude: -79.041932  
HCM: Address Matching-House Number  
Map scale: 100000  
Point of reference: Entrance Point of a Facility or Station  
Horiz. collect. method: North American Datum of 1983  
ACRES property ID: 13208  
Start date: Not reported  
Complete date: 09/30/00  
Accomplishment: Cleanup Activity  
Ownership entity: Not reported  
  
Recipient Name: City of Niagara Falls  
Project Name: Niagara Falls, NY  
Name: Maryland/Maple  
Parcel #: Not reported  
Parcel size: 1.30  
Latitude: 43.124535  
Longitude: -79.041932

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**MARYLAND/MAPLE (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1008376055**

HCM: Address Matching-House Number  
Map scale: 100000  
Point of reference: Entrance Point of a Facility or Station  
Horiz. collect. method: North American Datum of 1983  
ACRES property ID: 13208  
Start date: Not reported  
Complete date: 06/30/98  
Accomplishment: Phase I Environmental Assessment  
Ownership entity: Not reported

**40**  
**SSW**  
**1/8-1/4**  
**1286 ft.**

**HIGHLAND AVENUE**  
**3416-3502 HIGHLAND AVENUE**  
**NIAGARA FALLS, NY 14305**

**US BROWNFIELDS**

**1008376053**  
**N/A**

**Relative:**  
**Equal**

**US BROWNFIELDS:**

Recipient Name: City of Niagara Falls  
Project Name: Niagara Falls, NY  
Name: Highland Avenue  
Parcel #: Not reported  
Parcel size: 0.50  
Latitude: 43.119088  
Longitude: -79.046182  
HCM: Address Matching-House Number  
Map scale: 100000  
Point of reference: Entrance Point of a Facility or Station  
Horiz. collect. method: North American Datum of 1983  
ACRES property ID: 13212  
Start date: Not reported  
Complete date: 03/31/00  
Accomplishment: Phase I Environmental Assessment  
Ownership entity: Not reported

**41**  
**West**  
**1/4-1/2**  
**1918 ft.**

**FAILED UST TANK TEST**  
**1018 COLLEGE AVENUE**  
**NIAGARA FALLS (C), NY 14305**

**LTANKS**

**S106971253**  
**N/A**

**Relative:**  
**Higher**

**LTANKS:**

Site ID: 331743  
Spill Date: 09/01/04  
Facility Addr2: Not reported  
Facility ID: 0480052  
Program Number: 0480052  
SWIS: 3211  
Region of Spill: 9  
Investigator: SACALAND  
Referred To: Not reported  
Reported to Dept: 09/30/04  
CID: Not reported  
Spill Cause: Tank Test Failure  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Tank Tester  
Cleanup Ceased: / /  
Cleanup Meets Standard: False



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**FAILED UST TANK TEST (Continued)**

**S106971253**

Last Inspection: 12/09/04  
Recommended Penalty: Penalty Not Recommended  
UST Involvement: False  
Spill Class: Known release that creates potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: 01/03/05  
Remediation Phase: 0  
Date Entered In Computer: 10/01/04  
Spill Record Last Update: 01/04/05  
Spille Namer: DONNA BATEMAN  
Spiller Company: ST. THERESA OF THE INFANT JESUS R.C. CHURCH  
Spiller Phone: (716) 282-5583  
Spiller Extention: Not reported  
Spiller Address: 3840 MACKLEM AVENUE  
Spiller City,St,Zip: NIAGARA FALLS, NY 14305  
Spiller County: 999  
Spiller Contact: DONNA BATEMAN  
Spiller Phone: (716) 282-5583  
Spiller Extention: Not reported  
DEC Region: 9  
Program Number: 0480052  
DER Facility ID: 51876  
Site ID: 331743  
Operable Unit ID: 1094048  
Operable Unit: 01  
Material ID: 574158  
Material Code: 0001  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0.00  
Units: Gallons  
Recovered: 0.00  
Resource Affected: Soil  
Oxygenate: False  
Site ID: Not reported  
Spill Tank Test: Not reported  
Tank Number: Not reported  
Tank Size: Not reported  
Test Method: Not reported  
Leak Rate: Not reported  
Gross Fail: Not reported  
Modified By: Not reported  
Last Modified: Not reported  
Test Method: Not reported  
DEC Memo: Start DECRemark - 0480052 10/6/04:SAC telecon John Gramz - Primetime Services.  
Mr. Gramz does not know if RP is going to re-test or remove tank. 10/8/04:  
Drafted tank test/tank removal option letter. 10/27/04:SAC telecon Jim Greig  
- Green Environment. He has been asked by the RP to look into removing the  
tank. Agreed to meet on-site tomorrow to discuss. 10/28/04:SAC met w/Jim  
Greig, and Mari Boland - St. Theresa School. Discussed requirements and  
recommendations. Jim Greig to put a plan together for the work. 12/7/04:SAC  
telecon Mike Clancy - Elmwood Tank. Tank will be removed 12/9. Discussed  
sampling requirements. Mr. Clancy had faxed in notification on 11/29 and was  
following up. SAC telecon Paul Dicky - NCHD notifying him of the pull. Mr.  
Dicky will follow up on inspection. 12/9/04:SAC telecon Paul Dicky. He  
inspected site but it had already been backfilled. Based on his discussion

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

FAILED UST TANK TEST (Continued)

EDR ID Number  
EPA ID Number

S106971253

Remarks: with contractor, no contaminated soil was found. 12/28/04:Received confirmatory sample results from Mike Clancy - Elmwood Tank & Piping Corp. TAGM Guidance levels exceeded for semi-volatiles. 12/29/04:SAC discuss results w/DKK. Based on levels, okay to give "I" status. 1/3/04:Received NCHD inspection report from Paul Dicky. Drafted "I" letter. No further work required. END DECRemark - 0480052  
Start CallerRemark - 0480052 5 K #2 fuel oil tank failed tank test. Tank has been out of service for 3 years. END CallerRemark - 0480052

42  
SSW  
1/4-1/2  
2098 ft.

POWER CITY WAREHOUSE  
3123 HIGHLAND AVENUE  
NIAGARA FALLS, NY

US BROWNFIELDS 1008376056  
N/A

Relative:  
Higher

US BROWNFIELDS:

Actual:  
583 ft.

Recipient Name: City of Niagara Falls  
Project Name: Niagara Falls, NY  
Name: Power City Warehouse  
Parcel #: Not reported  
Parcel size: 4.00  
Latitude: 43.116241  
Longitude: -79.047478  
HCM: Address Matching-House Number  
Map scale: 100000  
Point of reference: Entrance Point of a Facility or Station  
Horiz. collect. method: North American Datum of 1983  
ACRES property ID: 13211  
Start date: Not reported  
Complete date: 03/31/03  
Accomplishment: Cleanup Activity  
Ownership entity: Not reported

Recipient Name: City of Niagara Falls  
Project Name: Niagara Falls, NY  
Name: Power City Warehouse  
Parcel #: Not reported  
Parcel size: 4.00  
Latitude: 43.116241  
Longitude: -79.047478  
HCM: Address Matching-House Number  
Map scale: 100000  
Point of reference: Entrance Point of a Facility or Station  
Horiz. collect. method: North American Datum of 1983  
ACRES property ID: 13211  
Start date: Not reported  
Complete date: 12/31/99  
Accomplishment: Phase I Environmental Assessment  
Ownership entity: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

43  
East  
1/4-1/2  
2106 ft.

SCRUFARI CONSTR.BUILDING  
3925 HYDE PARK BOULEVARD  
NIAGARA FALLS, NY

LTANKS  
HIST LTANKS

EDR ID Number  
EPA ID Number

S105054892  
N/A

Relative:  
Higher

LTANKS:

Actual:  
588 ft.

Site ID: 81652  
Spill Date: 05/01/01  
Facility Addr2: Not reported  
Facility ID: 0175098  
Program Number: 0175098  
SWIS: 3211  
Region of Spill: 9  
Investigator: SACALAND  
Referred To: NIAGARA CNTY HEALTH DEPT  
Reported to Dept: 05/15/01  
CID: 29  
Spill Cause: Tank Failure  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: / /  
Cleanup Meets Standard: False  
Last Inspection: 07/11/01  
Recommended Penalty: Penalty Not Recommended  
UST Involvement: True  
Spill Class: Known release that creates potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: 08/20/01  
Remediation Phase: 0  
Date Entered In Computer: 05/15/01  
Spill Record Last Update: 11/26/01  
Spille Namer: GARY SANKES  
Spiller Company: SCRUFARI CONSTRUCTION  
Spiller Phone: (716) 282-1225  
Spiller Extention: Not reported  
Spiller Address: 3925 HYDE PARK BLVD  
Spiller City,St,Zip: NIAGARA FALLS, NY 14305-  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 9  
Program Number: 0175098  
DER Facility ID: 75514  
Site ID: 81652  
Operable Unit ID: 850522  
Operable Unit: 01  
Material ID: 524419  
Material Code: 0008  
Material Name: Diesel  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0.00  
Units: Gallons  
Recovered: 0.00  
Resource Affected: Groundwater  
Oxygenate: False  
Site ID: 81652

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

SCRUFARI CONSTR.BUILDING (Continued)

EDR ID Number  
EPA ID Number

Database(s)

S105054892

Operable Unit ID: 850522  
Operable Unit: 01  
Material ID: 524420  
Material Code: 0009  
Material Name: Gasoline  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0.00  
Units: Gallons  
Recovered: 0.00  
Resource Affected: Groundwater  
Oxygenate: False  
Site ID: Not reported  
Spill Tank Test: Not reported  
Tank Number: Not reported  
Tank Size: Not reported  
Test Method: Not reported  
Leak Rate: Not reported  
Gross Fail: Not reported  
Modified By: Not reported  
Last Modified: Not reported  
Test Method: Not reported  
DEC Memo:

Start DECRemark - 0175098 Prior to Sept, 2004 data translation this spill Lead  
DEC Field was "SAC-NCHD" 5/15/01:OWNER OF THE PROPERTY IS BRUNO SCRUFARI AND ASSOCIATES, INC WHICH HAS NO TIES TO THE CONSTRUCTION COMPANY, THEY ARE CONTINUING TO DO THEWORK AND THEY BELIEVE THEY DETERMINED THE EXTENT OF CONTAMINATION ON 3 SIDES AND CONTINUE TO WORK ON THE OTHER SIDE, THEY WILL SEND IN THE REPORT AND THEN PROCEED TO DO THE CLEANUP. 6/22/01:RECEIVED SITE INVESTIGATION REPORT, NO ANALYTICAL SAMPLING WAS DONE, ONLY FIELD SCREENING USING A PID WAS DONE TO DETERMINE THE EXTENT OF CONTAMINATION, CONTAMINATED SOIL IS PLANNED TO BE DISPOSED AT TONWANDA LANDFILL PENDING APPROVAL FROM DENNIS WEISS - DIV OF SOLID AND HAZ MATERIALS. 7/2/01:SAC DISCUSS SITE W/DENNIS WEISS, MR. WEISS SAID THAT THE CONTAMINATED SOIL FROM THE SITE HAS BEEN APPROVED FOR DISPOSAL AT THE TONAWANDA LANDFILL. 7/2/01:SAC TELECON JOHN BATTAGLIA - WORK WILL BEGIN TODAY, WITH SOIL EXCAVATION TOMORROW. 7/3/01:RMC, SAC INSPECT SITE, MET W/DAN MCGOVERN & ROB ROBINSON OF ENSOL, INC., 4 TANKS WERE REMOVED, AND THE EXCAVATION WAS LARGE, THEY ARE CONTINUING TO EXCAVATE THE CONTAMINATED MATERIAL, ODORS WERE STRONG, THERE WAS A BLACKENED AREA IN THE CENTER WHERE THE TANKS OR PUMP ISLANDS WERE, CONCRETE PAD WAS IN THE MIDDLE BUT MR. MCGOVERN WAS NOT SURE WHY IT WAS THERE, THEY WILL BREAK UP THE CONCRETE AND CONTINUE TO REMOVE THE CONTAMINATION IN THIS AREA, THEY PLAN TO EXTEND THE EXCAVATION IN 2 DIRECTIONS BASEDON THE THE SITE ASSESSMENT FINDINGS, THEY ARE LOADING INTO 10 TRUCKS, SAC TELECON JOHN BATTAGLIA, BASED ON THE SIZE OF THE EXCAVATION EACH WALL SHOULD BE SAMPLED SEPARATELY AND 3 BOTTOMS SAMPLES SHOULD BE TAKEN, MR. BATTAGLIA ESTIMATED 1600 TONS OFMATERIAL WILL BE REMOVED TODAY. 7/6/01:SAC TELECON JOHN BATTAGLIA - ENSOL, THEY ARE CONTINUING TO WORK ON THE SITE, THEY ARE SAMPLING WATER THAT WAS IN THE EXCAVATION FOR DISCHARGE TO THE SEWER, THEY HAVE SAMPLED TWO OF THE SIDES AND CONTINUING TO REMOVE SOIL, THERE IS ANOTHER CONCRETE THAT REQUIRES REMOVAL, THE EXCAVATION SHOULD BE OPEN FOR THE NEXT FEW DAYS. 7/11/01:SAC INSPECT SITE, MET W/DAN MCGOVERN, KRISTEN PRICE, & ROB ROBINSON, EXCAVATION HAS CONTINUED, ODORS STILL APPARENT IN THE AREA WHERE THEY CONTINUE TO EXCAVATE, THEY BELIEVE THEY WILL COMPLETE THE EXCAVATION TODAY OR AT LEAST BY TOMORROW, APPROXIMATELY 100 TRUCKLOADS AT 20 TONS A TRUCKLOAD HAVE BEEN REMOVED WITH ANOTHER APPROXIMATE 20 TRUCKLOADS TO BE REMOVED WHICH WAS DETERMINED BASED ON THE INITIAL SITE ASSESSMENT RESULTS, GROUNDWATER COLLECTED IN SMALL AREA IN THE EXCAVATION, ENSOL IS PUMPING THE WATER FROM THE EXCAVATION INTO THE SANTARY

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

SCRUFARI CONSTR.BUILDING (Continued)

S105054892

SEWER WITH APPROVAL FROM AL ZAEPEL, WATER HAD A BLUE/BLACK COLOR OF UNKNOWN ORIGIN, NO PETROLEUM ODORS OBSERVED BUT THERE WAS A STALE ODOR, NO SEPARATE PHASE WAS NOTED, A SCUM LAYER WAS NOTED ON ONE END AND THERE WAS A SLIGHT FILM WITH NO RAINBOW SHEEN, APPEARED TO BE ORGANIC TYPE SHEEN, SAMPLE WAS TAKEN BUT IT DID NOT HAVE A BLUE COLOR IN THE JAR, IT WAS CLOUDY INSTEAD, THERE WERE NO PETROLEUM ODORS BUT THERE WAS AN ODOR. 7/13/01: SAC TELECON JOHN BATTAGLIA, HE HAS THE SAMPLE RESULTS FROM THE EXCAVATION AND SOME OF THE RESULTS ARE ABOVE TAGM 4046 GUIDANCE VALUES, HE WILL SUBMIT THE RESULTS, MR. BATTAGLIA ESTIMATES THAT THE ENTIRE AMOUNT OF SOIL REMOVED TO TONAWANDA LANDFILL WAS 2300 TONS. 7/18/01: SAC DISCUSS SITE W/DKK AND REVIEWED CONFIRMATORY SAMPLE RESULTS, NORTH WALL SAMPLES WERE INCOMPLETE, EAST WALL COMPOSITE SAMPLE FROM 3 AREAS HAD RESULTS THAT WERE NON-DETECT, THE SOUTH WALL COMPOSITE FROM 3 AREAS HAD RESULTS WHERE 1,3,5-TRIMETHYLBENZENE HAD AN ESTIMATED LEVEL 110 ppb WHICH IS ABOVE STARS GUIDANCE VALUES, THE WEST WALL COMPOSITE SAMPLE FROM 4 AREAS HAD SOME SEMIVOLATILE LEVELS ABOVE TAGM 4046 FOR BENZO(a)ANTHRACENE AT 416 ppb AND THE GUIDANCE VALE IS 224 ppb, ESTIMATED LEVELS WERE ALSO ABOVE GUIDANCE VALUES FOR BENZO(a)PYRENE AND BENZO(b)FLOURANTHENE WHICH HAVE TAGM 4046 GUIDANCE VALUES AT 61 ppb, SOME STARS GUIDANCE VALUES WERE ALSO EXCEEDED, NORTH FLOOR COMPOSITE SAMPLE FROM 3 AREAS HAD RESULTS THAT WERE NON-DETECT, THE CENTER FLOOR COMPOSITE SAMPLE FROM 3 AREAS HAD RESULTS THAT WERE ABOVE THE TAGM 4046 GUIDANCE VALUE FOR m&p-XYLENE AT 1740 ppb AND THE VALUE IS 1200 ppb, SOME PARAMETERS WERE ABOVE STARS GUIDANCE VALUES ALSO, THE SOUTH FLOOR SAMPLE FROM 3 AREAS WAS ABOVE TAGM 4046 VALUE FOR m&p-XYLENE AT 2570 ppb, SOME PARAMETERS EXCEEDED STARS GUIDANCE VALUES ALSO, SAC REVIEWED RESULTS W/DKK, BASED ON THE AMOUNT OF SOIL REMOVED, THE LEVELS OF THE EXCEEDED GUIDANCE VALUES, AND THE ISOLATED AREA WHERE GUIDANCE VALUES WERE EXCEEDED, "I" STATUS CAN BE GIVEN IF NORTH WALL SAMPLE RESULTS ARE OK AND DISPOSAL DOCUMENTATION IS RECEIVED, SAC CALLED JOHN BATTAGLIA, LEFT MESSAGE REQUESTING NORTH WALL SAMPLE RESULTS. 7/19/01: RECEIVED CONFIRMATORY SAMPLE RESULTS FOR NORTH WALL, RESULTS ARE BELOW DETECTIBLE LIMITS, SAC TELECON JOHN BATTAGLIA DISCUSSED INACTIVE STATUS, HE WILL DISCUSS THIS W/RP. 8/20/01: RECEIVED TANK CLOSURE AND REMEDIATION REPORT FROM ENSOL, INC. DATED 8/16/01, INCLUDING DISPOSAL RECEIPTS, DRAFTED "I" LETTER  
END DECRemark - 0175098

Remarks: Start CallerRemark - 0175098 DURING AN ENVIRONMENTAL ASSESSMENT, OLD TANKS AND PETROLEUM CONTAMINATION WAS FOUND, 200 TO 300 ppm READINGS ON THE PID READINGS, PETROLEUM ODORS BELIEVED TO BE GASOLINE WERE ALSO OBSERVED. END CallerRemark - 0175098

HIST LTANKS:

Region of Spill: 9  
Spill Number: 0175098  
Investigator: SAC-NCHD  
Caller Name: Not reported  
Caller Agency: Not reported  
Caller Phone: Not reported  
Caller Extension: Not reported  
Notifier Name: Not reported  
Notifier Agency: Not reported  
Notifier Phone: Not reported  
Notifier Extension: Not reported  
Spill Date: 05/01/2001  
Spill Time: 12:00  
Reported to Department Date: 05/15/01  
Reported to Department Time: 15:13  
SWIS: 29  
Spiller Contact: Not reported  
Spiller Phone: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**SCRUFARI CONSTR.BUILDING (Continued)**

**S105054892**

Spiller Extention: Not reported  
Spiller Name: SCRUFARI CONSTRUCTION  
Spiller Address: 3925 HYDE PARK BLVD  
Spiller City,St,Zip: NIAGARA FALLS, NY 14305-  
Facility Contact: GARY SANKES  
Facility Phone: (716) 282-1225  
Facility Extention: Not reported  
Spill Cause: Tank Failure  
Resource Affectd: Groundwater  
Water Affected: Not reported  
Spill Source: Other Commercial/Industrial  
Spill Notifier: Other  
PBS Number: Not reported  
Cleanup Ceased: / /  
Cleanup Meets Standard: False  
Last Inspection: 07/11/01  
Recommended Penalty: Penalty Not Recommended  
Spiller Cleanup Date: / /  
Enforcement Date: / /  
Investigation Complete: / /  
UST Involvement: True  
Spill Class: Known release that creates potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: 08/20/01  
Date Region Sent Summary to Central Office: / /  
Corrective Action Plan Submitted: / /  
Date Spill Entered In Computer Data File: 05/15/01  
Time Spill Entered In Computer Data File: 15:19  
Spill Record Last Update: 11/26/01  
Is Updated: False  
PBS Number: Not reported  
Tank Number: Not reported  
Tank Size: Not reported  
Test Method: Not reported  
Leak Rate Failed Tank: Not reported  
Gross Leak Rate: Not reported  
Material Class Type: Petroleum  
Quantity Spilled: 0  
Unkonwn Quantity Spilled: True  
Units: Gallons  
Quantity Recovered: 0  
Unkonwn Quantity Recovered: True  
Material: GASOLINE  
Class Type: GASOLINE  
Times Material Entry In File: 21329  
CAS Number: Not reported  
Last Date: 19940929  
Material Class Type: Petroleum  
Quantity Spilled: 0  
Unkonwn Quantity Spilled: True  
Units: Gallons  
Quantity Recovered: 0  
Unkonwn Quantity Recovered: True  
Material: DIESEL  
Class Type: DIESEL  
Times Material Entry In File: 10625  
CAS Number: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

EDR ID Number  
EPA ID Number  
Database(s)

SCRUFARI CONSTR.BUILDING (Continued)

S105054892

Last Date: 19940728

DEC Remarks: 5/15/01:OWNER OF THE PROPERTY IS BRUNO SCRUFARI AND ASSOCIATES, INC WHICH HAS NO TIES TO THE CONSTRUCTION COMPANY, THEY ARE CONTINUING TO DO THE WORK AND THEY BELIEVE THEY DETERMINED THE EXTENT OF CONTAMINATION ON 3 SIDES AND CONTINUE TO WORK ON THE OTHER SIDE, THEY WILL SEND IN THE REPORT AND THEN PROCEED TO DO THE CLEANUP. 6/22/01:RECEIVED SITE INVESTIGATION REPORT, NO ANALYTICAL SAMPLING WAS DONE, ONLY FIELD SCREENING USING A PID WAS DONE TO DETERMINE THE EXTENT OF CONTAMINATION, CONTAMINATED SOIL IS PLANNED TO BE DISPOSED AT TONAWANDA LANDFILL PENDING APPROVAL FROM DENNIS WEISS - DIV OF SOLID AND HAZ MATERIALS. 7/2/01:SAC DISCUSS SITE W/DENNIS WEISS, MR. WEISS SAID THAT THE CONTAMINATED SOIL FROM THE SITE HAS BEEN APPROVED FOR DISPOSAL AT THE TONAWANDA LANDFILL. 7/2/01:SAC TELECON JOHN BATTAGLIA - WORK WILL BEGIN TODAY, WITH SOIL EXCAVATION TOMORROW. 7/3/01:RMC, SAC INSPECT SITE, MET W/DAN MCGOVERN ROB ROBINSON OF ENSOL, INC., 4 TANKS WERE REMOVED, AND THE EXCAVATION WAS LARGE, THEY ARE CONTINUING TO EXCAVATE THE CONTAMINATED MATERIAL, ODORS WERE STRONG, THERE WAS A BLACKENED AREA IN THE CENTER WHERE THE TANKS OR PUMP ISLANDS WERE, CONCRETE PAD WAS IN THE MIDDLE BUT MR. MCGOVERN WAS NOT SURE WHY IT WAS THERE, THEY WILL BREAKUP THE CONCRETE AND CONTINUE TO REMOVE THE CONTAMINATION IN THIS AREA, THEY PLAN TO EXTEND THE EXCAVATION IN 2 DIRECTIONS BASED ON THE THE SITE ASSESSMENT FINDINGS, THEY ARE LOADING INTO 10 TRUCKS, SAC TELECON JOHN BATTAGLIA, BASED ON THE SIZE OF THE EXCAVATION EACH WALL SHOULD BE SAMPLED SEPARATELY AND 3 BOTTOMS SAMPLES SHOULD BE TAKEN, MR. BATTAGLIA ESTIMATED 1600 TONS OF MATERIAL WILL BE REMOVED TODAY. 7/6/01:SAC TELECON JOHN BATTAGLIA - ENSOL, THEY ARE CONTINUING TO WORK ON THE SITE, THEY ARE SAMPLING WATER THAT WAS IN THE EXCAVATION FOR DISCHARGE TO THE SEWER, THEY HAVE SAMPLED TWO OF THE SIDES AND CONTINUING TO REMOVE SOIL, THERE IS ANOTHER CONCRETE THAT REQUIRES REMOVAL, THE EXCAVATION SHOULD BE OPEN FOR THE NEXT FEW DAYS. 7/11/01:SAC INSPECT SITE, MET W/DAN MCGOVERN, KRISTEN PRICE, ROB ROBINSON, EXCAVATION HAS CONTINUED, ODORS STILL APPARENT IN THE AREA WHERE THEY CONTINUE TO EXCAVATE, THEY BELIEVE THEY WILL COMPLETE THE EXCAVATION TODAY OR AT LEAST BY TOMORROW, APPROXIMATELY 100 TRUCKLOADS AT 20 TONS A TRUCKLOAD HAVE BEEN REMOVED WITH ANOTHER APPROXIMATE 20 TRUCKLOADS TO BE REMOVED WHICH WAS DETERMINED BASED ON THE INITIAL SITE ASSESSMENT RESULTS, GROUNDWATER COLLECTED IN SMALL AREA IN THE EXCAVATION, ENSOL IS PUMPING THE WATER FROM THE EXCAVATION INTO THE SANITARY SEWER WITH APPROVAL FROM AL ZAEPFEL, WATER HAD A BLUE/BLACK COLOR OF UNKNOWN ORIGIN, NO PETROLEUM ODORS OBSERVED BUT THERE WAS A STALE ODOR, NO SEPARATE PHASE WAS NOTED, A SCUM LAYER WAS NOTED ON ONE END AND THERE WAS A SLIGHT FILM WITH NO RAINBOW SHEEN, APPEARED TO BE ORGANIC TYPE SHEEN, SAMPLE WAS TAKEN BUT IT DID NOT HAVE A BLUE COLOR IN THE JAR, IT WAS CLOUDY INSTEAD, THERE WERE NO PETROLEUM ODORS BUT THERE WAS AN ODOR. 7/13/01: SAC TELECON JOHN BATTAGLIA, HE HAS THE SAMPLE RESULTS FROM THE EXCAVATION AND SOME OF THE RESULTS ARE ABOVE TAGM 4046 GUIDANCE VALUES, HE WILL SUBMIT THE RESULTS, MR. BATTAGLIA ESTIMATES THAT THE ENTIRE AMOUNT OF SOIL REMOVED TO TONAWANDA LANDFILL WAS 2300 TONS. 7/18/01:SAC DISCUSS SITE W/DKK AND REVIEWED CONFIRMATORY SAMPLE RESULTS, NORTH WALL SAMPLES WERE INCOMPLETE, EAST WALL COMPOSITE SAMPLE FROM 3 AREAS HAD RESULTS THAT WERE NON-DETECT, THE SOUTH WALL COMPOSITE FROM 3 AREAS HAD RESULTS WHERE 1,3,5-TRIMETHYLBENZENE HAD AN ESTIMATED LEVEL 110 ppb WHICH IS ABOVE STARS GUIDANCE VALUES, THE WEST WALL COMPOSITE SAMPLE FROM 4 AREAS HAD SOME SEMIVOLATILE LEVELS ABOVE TAGM 4046 FOR BENZO a)ANTHRACENE AT 416 ppb AND THE GUIDANCE VALUE IS 224 ppb, ESTIMATED LEVELS WERE ALSO ABOVE GUIDANCE VALUES FOR BENZO a)PYRENE AND BENZO b)FLUORANTHENE WHICH HAVE TAGM 4046 GUIDANCE VALUES AT 61 ppb, SOME STARS GUIDANCE VALUES WERE ALSO EXCEEDED, NORTH FLOOR COMPOSITE SAMPLE FROM 3 AREAS HAD RESULTS THAT WERE NON-DETECT, THE CENTER FLOOR COMPOSITE SAMPLE FROM 3 AREAS HAD RESULTS THAT WERE ABOVE THE TAGM 4046 GUIDANCE VALUE FOR m p-XYLENE AT 1740 ppb AND THE VALUE IS 1200 ppb, SOME PARAMETERS WERE ABOVE STARS GUIDANCE VALUES ALSO, THE SOUTH FLOOR SAMPLE FROM 3 AREAS WAS ABOVE TAGM 4046

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number  
EPA ID Number

SCRUFARI CONSTR.BUILDING (Continued)

S105054892

Spill Cause: VALUE FOR m p-XYLENE AT 2570 ppb, SOME PARAMETERS EXCEEDED STARS GUIDANCE VALUES ALSO, SAC REVIEWED RESULTS W/DKK, BASED ON THE AMOUNT OF SOIL REMOVED, THE LEVELS OF THE EXCEEDED GUIDANCE VALUES, AND THE ISOLATED AREA WHERE GUIDANCE VALUES WERE EXCEEDED, I STATUS CAN BE GIVEN IF NORTH WALL SAMPLE RESULTS ARE OK AND DISPOSAL DOCUMENTATION IS RECEIVED, SAC CALLED JOHN BATTAGLIA, LEFT MESSAGE REQUESTING NORTH WALL SAMPLE RESULTS. 7/19/01:RECEIVED CONFIRMATORY SAMPLERESULTS FOR NORTH WALL, RESULTS ARE BELOW DETECTIBLE LIMITS, SAC TELECON JOHN BATTAGLIA DISCUSSED INACTIVE STATUS, HE WILL DISCUSS THIS W/RP. 8/20/01:RECEIVED TANK CLOSURE AND REMEDIATION REPORT FROM ENSOL, INC. DATED 8/16/01, INCLUDING DISPOSAL RECEIPTS, DRAFTED I LETTER DURING AN ENVIRONMENTAL ASSESSMENT, OLD TANKS AND PETROLEUM CONTAMINATION WAS FOUND, 200 TO 300 ppm READINGS ON THE PID READINGS, PETROLEUM ODORS BELIEVED TO BE GASOLINE WERE ALSO OBSERVED.

44  
North  
1/4-1/2  
2203 ft.

NICHOLS RESIDENCE  
4340 CRESCENT DRIVE  
NIAGARA FALLS, NY

LTANKS S100781977  
HIST LTANKS N/A

Relative:  
Higher

Actual:  
583 ft.

LTANKS:  
Site ID: 320705  
Spill Date: 10/14/93  
Facility Addr2: Not reported  
Facility ID: 9308988  
Program Number: 9308988  
SWIS: 3211  
Region of Spill: 9  
Investigator: SACALAND  
Referred To: Not reported  
Reported to Dept: 10/22/93  
CID: 29  
Spill Cause: Tank Failure  
Water Affected: Not reported  
Spill Source: Private Dwelling  
Spill Notifier: Affected Persons  
Cleanup Ceased: 06/07/94  
Cleanup Meets Standard: True  
Last Inspection: 12/09/93  
Recommended Penalty: Penalty Not Recommended  
UST Involvement: False  
Spill Class: Possible release with minimal potential for fire or hazard or Known release with no damage. DEC Response. Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: 06/07/94  
Remediation Phase: 0  
Date Entered In Computer: 10/26/93  
Spill Record Last Update: 06/16/94  
Spille Namer: Not reported  
Spiller Company: WALTER & CAROL NICHOLS  
Spiller Phone: (716) 282-1347  
Spiller Extention: Not reported  
Spiller Address: 4340 CRESCENT DRIVE  
Spiller City,St,Zip: NIAGARA FALLS, NY  
Spiller County: 001  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
DEC Region: 9



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**NICHOLS RESIDENCE (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**S100781977**

Program Number: 9308988  
DER Facility ID: 258374  
Site ID: 320705  
Operable Unit ID: 990526  
Operable Unit: 01  
Material ID: 391663  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0.00  
Units: Not reported  
Recovered: 0.00  
Resource Affected: Groundwater  
Oxygenate: False  
Site ID: Not reported  
Spill Tank Test: Not reported  
Tank Number: Not reported  
Tank Size: Not reported  
Test Method: Not reported  
Leak Rate: Not reported  
Gross Fail: Not reported  
Modified By: Not reported  
Last Modified: Not reported  
Test Method: Not reported  
DEC Memo: Start DECRemark - 9308988 Prior to Sept, 2004 data translation this spill Lead  
DEC Field was "SAC" 12/03/93: SAC TELECON MS. NICHOLS,ODORS ARE INTERMITTENT  
DEPENDING ON DAY,INSPECTION ARRANGED FOR 12/10/93. 12/09/93: SAC/BOB BUZZELLI,  
NCHD/SITE - MET W/MR. & MRS. NICHOLS. SAC OBSERVED SLIGHT ORGANIC ODOR. MR.  
BUZZELLI DID NOT OBSERVE ODORS. NO READINGS ON HNU IN BEDROOM OR IN VENTING  
PIPES PUT INTO GROUND. 03/10/94: NO FURTHER COMPLAINTS BY MRS. NICHOLS,WILL  
KEEP FILE OPEN FOR SPRING INCASEANY FURTHER COMPLAINTS.B.BUZZELLI GAVE HER  
COUNTY HEALTH DEPT. PHONE NO. TO CALL NEXT TIME SHE NOTICED ODORS. 06/07/94:  
NO FURTHER COMPLAINTS BY MRS. NICHOLS. END DECRemark - 9308988  
Remarks: Start CallerRemark - 9308988 ABANDONED UST DISCOVERED; FULL OF WATER. SHEEN ON  
WATER AND SLIGHT FUEL ODOR. END CallerRemark - 9308988

**HIST LTANKS:**

Region of Spill: 9  
Spill Number: 9308988  
Investigator: SAC  
Caller Name: Not reported  
Caller Agency: Not reported  
Caller Phone: Not reported  
Caller Extension: Not reported  
Notifier Name: Not reported  
Notifier Agency: Not reported  
Notifier Phone: Not reported  
Notifier Extension: Not reported  
Spill Date: 10/14/1993  
Spill Time: 12:00  
Reported to Department Date: 10/22/93  
Reported to Department Time: 12:00  
SWIS: 29  
Spiller Contact: Not reported  
Spiller Phone: Not reported  
Spiller Extention: Not reported

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**NICHOLS RESIDENCE (Continued)**

**S100781977**

Spiller Name: WALTER & CAROL NICHOLS  
Spiller Address: 4340 CRESCENT DRIVE  
Spiller City,St,Zip: NIAGARA FALLS, NY  
Facility Contact: Not reported  
Facility Phone: (716) 282-1347  
Facility Extention: Not reported  
Spill Cause: Tank Failure  
Resource Affectd: Groundwater  
Water Affected: Not reported  
Spill Source: Private Dwelling  
Spill Notifier: Affected Persons  
PBS Number: Not reported  
Cleanup Ceased: 06/07/94  
Cleanup Meets Standard: True  
Last Inspection: 12/09/93  
Recommended Penalty: Penalty Not Recommended  
Spiller Cleanup Date: / /  
Enforcement Date: / /  
Investigation Complete: / /  
UST Involvement: False  
Spill Class: Possible release with minimal potential for fire or hazard or Known  
release with no damage. DEC Response. Willing Responsible Party.  
Corrective action taken.  
Spill Closed Dt: 06/07/94  
Date Region Sent Summary to Central Office: / /  
Corrective Action Plan Submitted: / /  
Date Spill Entered In Computer Data File: 10/26/93  
Time Spill Entered In Computer Data File: Not reported  
Spill Record Last Update: 06/16/94  
Is Updated: False  
PBS Number: Not reported  
Tank Number: Not reported  
Tank Size: Not reported  
Test Method: Not reported  
Leak Rate Failed Tank: Not reported  
Gross Leak Rate: Not reported  
Material Class Type: Petroleum  
Quantity Spilled: 0  
Unkonwn Quantity Spilled: True  
Units: Not reported  
Quantity Recovered: 0  
Unkonwn Quantity Recovered: True  
Material: UNKNOWN PETROLEUM  
Class Type: UNKNOWN PETROLEUM  
Times Material Entry In File: 16414  
CAS Number: Not reported  
Last Date: 19940929  
DEC Remarks: 12/03/93: SAC TELECON MS. NICHOLS,ODORS ARE INTERMITTENT DEPENDING ON  
DAY,INSPECTION ARRANGED FOR 12/10/93. 12/09/93: SAC/BOB BUZZELLI, NCHD/SITE -  
MET W/MR. MRS. NICHOLS. SAC OBSERVED SLIGHT ORGANIC ODOR. MR. BUZZELLI DID NOT  
OBSERVE ODORS. NO READINGS ON HNU IN BEDROOM OR IN VENTING PIPES PUT INTO  
GROUND. 03/10/94: NO FURTHER COMPLAINTS BY MRS. NICHOLS,WILL KEEP FILE OPEN FOR  
SPRING INCASE ANY FURTHER COMPLAINTS.B.BUZZELLI GAVE HER COUNTY HEALTH DEPT.  
PHONE NO. TO CALL NEXT TIME SHE NOTICEDODORS. 06/07/94: NO FURTHER COMPLAINTS  
BY MRS. NICHOLS.  
Spill Cause: ABANDONED UST DISCOVERED; FULL OF WATER. SHEEN ON WATER AND SLIGHT FUEL ODOR.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**45**  
**NNE**  
**1/4-1/2**  
**2246 ft.**

**CERRONE #1**  
**1524 PENNSYLVANIA AVENUE**  
**NIAGARA FALLS, NY**

**US BROWNFIELDS**

**1008376050**  
**N/A**

**Relative:**  
**Higher**

US BROWNFIELDS:

Recipient Name: City of Niagara Falls  
Project Name: Niagara Falls, NY  
Name: Cerrone #1  
Parcel #: Not reported  
Parcel size: 7.50  
Latitude: Not reported  
Longitude: Not reported  
HCM: Not reported  
Map scale: Not reported  
Point of reference: Not reported  
Horiz. collect. method: Not reported  
ACRES property ID: 13215  
Start date: Not reported  
Complete date: 03/31/02  
Accomplishment: Phase I Environmental Assessment  
Ownership entity: Not reported

**46**  
**NE**  
**1/4-1/2**  
**2309 ft.**

**MARYLAND/JAMES**  
**4318 HYDE PARK BLVD.**  
**NIAGARA FALLS, NY**

**US BROWNFIELDS**

**1008376054**  
**N/A**

**Relative:**  
**Higher**

US BROWNFIELDS:

Recipient Name: City of Niagara Falls  
Project Name: Niagara Falls, NY  
Name: Maryland/James  
Parcel #: Not reported  
Parcel size: 7.00  
Latitude: 43.126221  
Longitude: -79.038058  
HCM: Address Matching-House Number  
Map scale: 100000  
Point of reference: Entrance Point of a Facility or Station  
Horiz. collect. method: North American Datum of 1983  
ACRES property ID: 13209  
Start date: Not reported  
Complete date: 09/30/00  
Accomplishment: Cleanup Activity  
Ownership entity: Not reported

Recipient Name: City of Niagara Falls  
Project Name: Niagara Falls, NY  
Name: Maryland/James  
Parcel #: Not reported  
Parcel size: 7.00  
Latitude: 43.126221  
Longitude: -79.038058  
HCM: Address Matching-House Number  
Map scale: 100000  
Point of reference: Entrance Point of a Facility or Station  
Horiz. collect. method: North American Datum of 1983  
ACRES property ID: 13209  
Start date: Not reported  
Complete date: 09/30/98

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**MARYLAND/JAMES (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

Accomplishment: Phase I Environmental Assessment  
Ownership entity: Not reported

**1008376054**

**G47  
ESE  
1/4-1/2  
2388 ft.**

**CERRONE #2  
3622 HYDE PARK BLVD  
NIAGARA FALLS, NY**

**US BROWNFIELDS**

**1008376051  
N/A**

**Site 1 of 2 in cluster G**

**Relative:  
Higher**

**US BROWNFIELDS:**

**Actual:  
590 ft.**

Recipient Name: City of Niagara Falls  
Project Name: Niagara Falls, NY  
Name: Cerrone #2  
Parcel #: Not reported  
Parcel size: 2.00  
Latitude: Not reported  
Longitude: Not reported  
HCM: Not reported  
Map scale: Not reported  
Point of reference: Not reported  
Horiz. collect. method: Not reported  
ACRES property ID: 13216  
Start date: Not reported  
Complete date: 03/31/02  
Accomplishment: Phase I Environmental Assessment  
Ownership entity: Not reported

**G48  
ESE  
1/4-1/2  
2401 ft.**

**RAINBOW CAR WASH  
3602 HYDE PARK BLVD.  
NIAGARA FALLS, NY**

**LTANKS**

**S107658917  
N/A**

**Site 2 of 2 in cluster G**

**Relative:  
Higher**

**LTANKS:**

**Actual:  
591 ft.**

Site ID: 359582  
Spill Date: 02/15/06  
Facility Addr2: Not reported  
Facility ID: 0551618  
Program Number: 0551618  
SWIS: 3211  
Region of Spill: 9  
Investigator: SACALAND  
Referred To: NIAGARA COUNTY HEALTH DEP  
Reported to Dept: 02/15/06  
CID: 29  
Spill Cause: Tank Failure  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Other  
Cleanup Ceased: / /  
Cleanup Meets Standard: True  
Last Inspection: 03/21/06  
Recommended Penalty: Penalty Not Recommended  
UST Involvement: False  
Spill Class: Known release that creates potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

RAINBOW CAR WASH (Continued)

EDR ID Number  
EPA ID Number

Database(s)

S107658917

Spill Closed Dt: 05/04/06  
Remediation Phase: 0  
Date Entered In Computer: 02/15/06  
Spill Record Last Update: 05/04/06  
Spille Namer: NORM WILLIAMSON  
Spiller Company: NIAGARA POWER WASH  
Spiller Phone: Not reported  
Spiller Extention: Not reported  
Spiller Address: 3602 HYDE PARK BLVD.  
Spiller City,St,Zip: NIAGARA FALLS, NY 14305  
Spiller County: 999  
Spiller Contact: DON KOBRYN  
Spiller Phone: (716) 550-2514  
Spiller Extention: Not reported  
DEC Region: 9  
Program Number: 0551618  
DER Facility ID: 309689  
Site ID: 359582  
Operable Unit ID: 1116786  
Operable Unit: 01  
Material ID: 2107236  
Material Code: 0001  
Material Name: #2 Fuel Oil  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0.00  
Units: Gallons  
Recovered: 0.00  
Resource Affected: Soil  
Oxygenate: False  
Site ID: Not reported  
Spill Tank Test: Not reported  
Tank Number: Not reported  
Tank Size: Not reported  
Test Method: Not reported  
Leak Rate: Not reported  
Gross Fail: Not reported  
Modified By: Not reported  
Last Modified: Not reported  
Test Method: Not reported  
DEC Memo: Start DECRemark - 0551618 2/15/06:RMC FAXED COPY OF REPORT TO NCHD. SAC TELECON PAUL DICKY - NCHD. RJJ RECEIVED CALL FROM ESG THAT WORK HAD BEEN COMPLETED AND REQUESTED INSPECTION. MR. DICKY WILL INSPECT SITE. 2/16/06:RECEIVED PHONE MESSAGE FROM PAUL DICKY. CLEANUP APPEARED SATISFACTORY. SAMPLES WERE TAKEN. MR. DICKY CLARIFIED ADDRESS OF THE SITE THAT WAS INITIAL REPORTED AS 7227 HYDE PARK BLVD. BUT IS AT 3602 HYDE PARK BLVD. 5/2/06:RECEIVED TANK CLOSURE REPORT FROM ENSOL INCLUDING DISPOSAL RECEIPTS AND CONFIRMATORY SAMPLE RESULTS. RESULTS ARE BELOW DETECTION LIMITS. WILL NEED NCHD INSPECTION REPORT FOR CLOSEOUT. 5/4/06:RECEIVED NCHD INSPECTION REPORT BY PAUL DICKY CONFIRMING CLEANUP. NO FURTHER WORK IS REQUIRED. END DECRemark - 0551618  
Remarks: Start CallerRemark - 0551618 found contamination while removing a 4k ust. planning on digging to clean. will call SAC or RMC when ready for inspection . END CallerRemark - 0551618

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**49**  
**NE**  
**1/4-1/2**  
**2440 ft.**

**AIRPORT AUTO WRECKING**  
**4401 HYDE PARK BOULEVARD**  
**NIAGARA, NY 14305**

**SWF/LF**

**S108468057**  
**N/A**

**Relative:**  
**Higher**

SWF/LF:

**Actual:**  
**604 ft.**

Flag: ACTIVE  
Secondary Addr: Not reported  
Region Code: 9  
Phone Number: 0  
Owner Name: Not reported  
Owner Type: Not reported  
Owner Address: Not reported  
Owner Addr2: Not reported  
Owner City,St,Zip: Not reported  
Owner Email: Not reported  
Owner Phone: Not reported  
Contact Name: Not reported  
Contact Address: Not reported  
Contact Addr2: Not reported  
Contact City,St,Zip: 0  
Contact Email: Not reported  
Contact Phone: 0  
Activity Desc: Vehicle Dismantling  
Activity Number: 32J02  
Active: Yes  
East Coordinate: 171518  
North Coordinate: 4782861  
Accuracy Code: 4.2 - Utilization of GIS and existing spatial data  
Regulatory Status: None  
Waste Type: Not reported  
Authorization #: None  
Authorization Date: Not reported  
Expiration Date: Not reported

**50**  
**ESE**  
**1/4-1/2**  
**2529 ft.**

**UNION CARBIDE CORP**  
**3501 HYDE PARK**  
**NIAGARA FALLS, NY 14305**

**RCRA-SQG**  
**FINDS**  
**CERC-NFRAP**  
**NY MANIFEST**

**1000335629**  
**NYD002106896**

**Relative:**  
**Higher**

RCRAInfo:

**Actual:**  
**594 ft.**

Owner: 8  
(212) 555-1212  
EPA ID: NYD002106896  
Contact: Not reported  
Classification: Small Quantity Generator  
TSDF Activities: Not reported  
Violation Status: No violations found

**FINDS:**

Other Pertinent Environmental Activity Identified at Site

FIS (New York - Facility Information System) is New York's Department of Environmental Conservation (DEC) information system for tracking environmental facility information found across the State.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNION CARBIDE CORP (Continued)**

**1000335629**

events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

**CERC-NFRAP:**

Site ID: 0201387  
Federal Facility: Not a Federal Facility  
NPL Status: Not on the NPL  
Non NPL Status: NFRAP

Site Description: Not reported

**CERCLIS-NFRAP Assessment History:**

Action: DISCOVERY  
Date Started: Not reported  
Date Completed: 04/09/1981  
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT  
Date Started: Not reported  
Date Completed: 03/06/1987  
Priority Level: Low

Action: SITE INSPECTION  
Date Started: 09/22/1987  
Date Completed: 09/22/1987  
Priority Level: NFRAP (No Further Remedial Action Planned)

Action: PRELIMINARY ASSESSMENT  
Date Started: Not reported  
Date Completed: 10/01/1990  
Priority Level: Low

Action: PRELIMINARY ASSESSMENT  
Date Started: 10/01/1992  
Date Completed: 12/20/1992  
Priority Level: Low

Action: ARCHIVE SITE  
Date Started: Not reported  
Date Completed: 01/31/1997  
Priority Level: Not reported

**NY MANIFEST:**

Document ID: NYO1384137  
Manifest Status: Completed copy  
Trans1 State ID: AY9A045  
Trans2 State ID: Not reported  
Generator Ship Date: 820615  
Trans1 Recv Date: 820615  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 820615

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**UNION CARBIDE CORP (Continued)**

**1000335629**

Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD002106896  
Trans1 EPA ID: NYT370012403  
Trans2 EPA ID: Not reported  
TSDF ID: NYD080336241  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 03000  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 100  
Year: 82  
Facility Type: Both Generator and TSD  
EPA ID: NYD002106896  
Facility Name: UNION CARBIDE CORP  
Facility Address: 3501 HYDE PARK BLVD  
Facility City: NIAGARA FALLS  
Facility Zip 4: 2203  
Country: Not reported  
County: NIAGARA  
Mailing Name: UNION CARBIDE CORP  
Mailing Contact: MICHAEL STEFFAN  
Mailing Address: 3501 HYDE PARK BLVD  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: 2203  
Mailing Country: USA  
Mailing Phone: 000-000-0000  
Mailing Name: UNION CARBIDE CORP  
Mailing Contact: BAYLUS JAMES CHIEF PLANT  
Mailing Address: 3501 HYDE PARK BLVD  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: 2203  
Mailing Country: USA  
Mailing Phone: 716-278-3541  
  
Document ID: NYO1717461  
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC  
Trans1 State ID: 9A-045  
Trans2 State ID: Not reported  
Generator Ship Date: 820730  
Trans1 Recv Date: 820730  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 820730  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: NYD002106896  
Trans1 EPA ID: NYT370012403  
Trans2 EPA ID: Not reported  
TSDF ID: NYD080336241  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 01800



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**UNION CARBIDE CORP (Continued)**

**1000335629**

Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 100  
Year: 82  
Facility Type: Both Generator and TSD  
EPA ID: NYD002106896  
Facility Name: UNION CARBIDE CORP  
Facility Address: 3501 HYDE PARK BLVD  
Facility City: NIAGARA FALLS  
Facility Zip 4: 2203  
Country: Not reported  
County: NIAGARA  
Mailing Name: UNION CARBIDE CORP  
Mailing Contact: MICHAEL STEFFAN  
Mailing Address: 3501 HYDE PARK BLVD  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: 2203  
Mailing Country: USA  
Mailing Phone: 000-000-0000  
Mailing Name: UNION CARBIDE CORP  
Mailing Contact: BAYLUS JAMES CHIEF PLANT  
Mailing Address: 3501 HYDE PARK BLVD  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: 2203  
Mailing Country: USA  
Mailing Phone: 716-278-3541  
  
Document ID: TXA0207836  
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC  
Trans1 State ID: 40852  
Trans2 State ID: 40756  
Generator Ship Date: 861007  
Trans1 Recv Date: 861007  
Trans2 Recv Date: 861014  
TSD Site Recv Date: 861015  
Part A Recv Date: 861010  
Part B Recv Date: 861112  
Generator EPA ID: NYD002106896  
Trans1 EPA ID: OHD981101157  
Trans2 EPA ID: DED980918858  
TSDF ID: TXD055141378  
Waste Code: B001 - PCB OIL (CONC) FROM TRANS, CAP, ETC  
Quantity: 00100  
Units: P - Pounds  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 86  
Facility Type: Both Generator and TSD  
EPA ID: NYD002106896

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**UNION CARBIDE CORP (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1000335629**

Facility Name: UNION CARBIDE CORP  
Facility Address: 3501 HYDE PARK BLVD  
Facility City: NIAGARA FALLS  
Facility Zip 4: 2203  
Country: Not reported  
County: NIAGARA  
Mailing Name: UNION CARBIDE CORP  
Mailing Contact: MICHAEL STEFFAN  
Mailing Address: 3501 HYDE PARK BLVD  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: 2203  
Mailing Country: USA  
Mailing Phone: 000-000-0000  
Mailing Name: UNION CARBIDE CORP  
Mailing Contact: BAYLUS JAMES CHIEF PLANT  
Mailing Address: 3501 HYDE PARK BLVD  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: 2203  
Mailing Country: USA  
Mailing Phone: 716-278-3541

Document ID: TXA0207837  
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC  
Trans1 State ID: 40756  
Trans2 State ID: Not reported  
Generator Ship Date: 861006  
Trans1 Recv Date: 861006  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 861008  
Part A Recv Date: 861010  
Part B Recv Date: 861112  
Generator EPA ID: NYD002106896  
Trans1 EPA ID: DED980918858  
Trans2 EPA ID: Not reported  
TSDF ID: TXD055141378  
Waste Code: B001 - PCB OIL (CONC) FROM TRANS, CAP, ETC  
Quantity: 35670  
Units: P - Pounds  
Number of Containers: 010  
Container Type: CM - Metal boxes, cases, roll-offs  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 86  
Facility Type: Both Generator and TSD  
EPA ID: NYD002106896  
Facility Name: UNION CARBIDE CORP  
Facility Address: 3501 HYDE PARK BLVD  
Facility City: NIAGARA FALLS  
Facility Zip 4: 2203  
Country: Not reported  
County: NIAGARA  
Mailing Name: UNION CARBIDE CORP  
Mailing Contact: MICHAEL STEFFAN

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**UNION CARBIDE CORP (Continued)**

**1000335629**

Mailing Address: 3501 HYDE PARK BLVD  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: 2203  
Mailing Country: USA  
Mailing Phone: 000-000-0000  
Mailing Name: UNION CARBIDE CORP  
Mailing Contact: BAYLUS JAMES CHIEF PLANT  
Mailing Address: 3501 HYDE PARK BLVD  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: 2203  
Mailing Country: USA  
Mailing Phone: 716-278-3541

Document ID: NYA3992321  
Manifest Status: Completed copy  
Trans1 State ID: Not reported  
Trans2 State ID: Not reported  
Generator Ship Date: 860908  
Trans1 Recv Date: 860908  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 860912  
Part A Recv Date: 860911  
Part B Recv Date: 860924  
Generator EPA ID: NYD002106896  
Trans1 EPA ID: OHD981101157  
Trans2 EPA ID: Not reported  
TSD ID: GAD980839187  
Waste Code: B003 - PETROLEUM OIL WITH 500 PPM OR > PCB  
Quantity: 08020  
Units: P - Pounds  
Number of Containers: 019  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 86  
Facility Type: Both Generator and TSD  
EPA ID: NYD002106896  
Facility Name: UNION CARBIDE CORP  
Facility Address: 3501 HYDE PARK BLVD  
Facility City: NIAGARA FALLS  
Facility Zip 4: 2203  
Country: Not reported  
County: NIAGARA  
Mailing Name: UNION CARBIDE CORP  
Mailing Contact: MICHAEL STEFFAN  
Mailing Address: 3501 HYDE PARK BLVD  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: 2203  
Mailing Country: USA  
Mailing Phone: 000-000-0000  
Mailing Name: UNION CARBIDE CORP

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**UNION CARBIDE CORP (Continued)**

**1000335629**

Mailing Contact: BAYLUS JAMES CHIEF PLANT  
Mailing Address: 3501 HYDE PARK BLVD  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: 2203  
Mailing Country: USA  
Mailing Phone: 716-278-3541

Document ID: TXA0240838  
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC  
Trans1 State ID: 40852  
Trans2 State ID: 40852  
Generator Ship Date: 860828  
Trans1 Recv Date: 860828  
Trans2 Recv Date: 860924  
TSD Site Recv Date: 860927  
Part A Recv Date: 860903  
Part B Recv Date: 861007  
Generator EPA ID: NYD002106896  
Trans1 EPA ID: OHD981101157  
Trans2 EPA ID: OHD981101157  
TSDF ID: TXD055141378  
Waste Code: B001 - PCB OIL (CONC) FROM TRANS, CAP, ETC  
Quantity: 00075  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 86  
Facility Type: Both Generator and TSD  
EPA ID: NYD002106896  
Facility Name: UNION CARBIDE CORP  
Facility Address: 3501 HYDE PARK BLVD  
Facility City: NIAGARA FALLS  
Facility Zip 4: 2203  
Country: Not reported  
County: NIAGARA  
Mailing Name: UNION CARBIDE CORP  
Mailing Contact: MICHAEL STEFFAN  
Mailing Address: 3501 HYDE PARK BLVD  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: 2203  
Mailing Country: USA  
Mailing Phone: 000-000-0000  
Mailing Name: UNION CARBIDE CORP  
Mailing Contact: BAYLUS JAMES CHIEF PLANT  
Mailing Address: 3501 HYDE PARK BLVD  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: 2203  
Mailing Country: USA  
Mailing Phone: 716-278-3541

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation    Site

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

**UNION CARBIDE CORP (Continued)**

**1000335629**

Document ID: NYA3977605  
Manifest Status: Completed copy  
Trans1 State ID: NYV43089  
Trans2 State ID: Not reported  
Generator Ship Date: 860828  
Trans1 Recv Date: 860828  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 860829  
Part A Recv Date: 860903  
Part B Recv Date: 860905  
Generator EPA ID: NYD002106896  
Trans1 EPA ID: NYD980769947  
Trans2 EPA ID: Not reported  
TSD ID: GAD980839187  
Waste Code: B003 - PETROLEUM OIL WITH 500 PPM OR > PCB  
Quantity: 01923  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: TT - Cargo tank, tank trucks  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 86  
Facility Type: Both Generator and TSD  
EPA ID: NYD002106896  
Facility Name: UNION CARBIDE CORP  
Facility Address: 3501 HYDE PARK BLVD  
Facility City: NIAGARA FALLS  
Facility Zip 4: 2203  
Country: Not reported  
County: NIAGARA  
Mailing Name: UNION CARBIDE CORP  
Mailing Contact: MICHAEL STEFFAN  
Mailing Address: 3501 HYDE PARK BLVD  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: 2203  
Mailing Country: USA  
Mailing Phone: 000-000-0000  
Mailing Name: UNION CARBIDE CORP  
Mailing Contact: BAYLUS JAMES CHIEF PLANT  
Mailing Address: 3501 HYDE PARK BLVD  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: 2203  
Mailing Country: USA  
Mailing Phone: 716-278-3541

Document ID: TXA0267638  
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC  
Trans1 State ID: 40852  
Trans2 State ID: 40756  
Generator Ship Date: 860908  
Trans1 Recv Date: 860908  
Trans2 Recv Date: 860929  
TSD Site Recv Date: 861001

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

UNION CARBIDE CORP (Continued)

EDR ID Number  
EPA ID Number

Database(s)

1000335629

Part A Recv Date: 860911  
Part B Recv Date: 861008  
Generator EPA ID: NYD002106896  
Trans1 EPA ID: OHD981101157  
Trans2 EPA ID: DED980918858  
TSDF ID: TXD055141378  
Waste Code: B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB  
Quantity: 00075  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 86  
Facility Type: Both Generator and TSD  
EPA ID: NYD002106896  
Facility Name: UNION CARBIDE CORP  
Facility Address: 3501 HYDE PARK BLVD  
Facility City: NIAGARA FALLS  
Facility Zip 4: 2203  
Country: Not reported  
County: NIAGARA  
Mailing Name: UNION CARBIDE CORP  
Mailing Contact: MICHAEL STEFFAN  
Mailing Address: 3501 HYDE PARK BLVD  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: 2203  
Mailing Country: USA  
Mailing Phone: 000-000-0000  
Mailing Name: UNION CARBIDE CORP  
Mailing Contact: BAYLUS JAMES CHIEF PLANT  
Mailing Address: 3501 HYDE PARK BLVD  
Mailing City: NIAGARA FALLS  
Mailing State: NY  
Mailing Zip: 14305  
Mailing Zip4: 2203  
Mailing Country: USA  
Mailing Phone: 716-278-3541

51  
SSE  
1/4-1/2  
2599 ft.

H J KALFAS SCHOOL  
BEECH AVE / 17TH ST  
NIAGARA FALLS, NY 14305

LTANKS S108468010  
N/A

Relative:  
Higher

LTANKS:  
Site ID: 377048  
Spill Date: 02/01/07  
Facility Addr2: Not reported  
Facility ID: 0651926  
Program Number: 0651926  
SWIS: 3211  
Region of Spill: 9  
Investigator: SACALAND  
Referred To: Not reported  
Reported to Dept: 02/07/07  
CID: Not reported

Actual:  
589 ft.

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**H J KALFAS SCHOOL (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**S108468010**

Spill Cause: Tank Failure  
Water Affected: Not reported  
Spill Source: Institutional, Educational, Gov., Other  
Spill Notifier: Other  
Cleanup Ceased: / /  
Cleanup Meets Standard: False  
Last Inspection: / /  
Recommended Penalty: Penalty Not Recommended  
UST Involvement: True  
Spill Class: Known release that creates potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: / /  
Remediation Phase: 1  
Date Entered In Computer: 02/07/07  
Spill Record Last Update: 03/26/07  
Spille Namer: LAWRENCE BEYER  
Spiller Company: NIAGARA FALLS SCHOOL DISTRICT  
Spiller Phone: (716) 286-4140  
Spiller Extention: Not reported  
Spiller Address: 607 WALNUT AVENUE  
Spiller City,St,Zip: NIAGARA FALLS, NY 14301  
Spiller County: 001  
Spiller Contact: BUTCH BEYER  
Spiller Phone: (716) 870-0979  
Spiller Extention: Not reported  
DEC Region: 9  
Program Number: 0651926  
DER Facility ID: 326624  
Site ID: 377048  
Operable Unit ID: 1134602  
Operable Unit: 01  
Material ID: 2124475  
Material Code: 0008  
Material Name: Diesel  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0.00  
Units: Gallons  
Recovered: 0.00  
Resource Affected: Soil  
Oxygenate: False  
Site ID: 377048  
Spill Tank Test: 1525264  
Tank Number: 3  
Tank Size: 10000  
Test Method: 21  
Leak Rate: 0.00  
Gross Fail: Not reported  
Modified By: CGMCKENZ  
Last Modified: 02/07/07  
Test Method: Horner EZY3/EZY3 Locator Plus  
DEC Memo: Start DECRemark - 0651926 2/9/07:SENT LETTER FOR REPAIR AND RE-TEST OR REMOVE TANK. 2/13/07:SAC TELECON LAWRENCE BEYER. MR. BEYER SAID THROUGH ELMWOOD TANK, A MANHOLE GASKET HAS BEEN ORDERED. ONCE TANK HAS BEEN REPAIRED THEY WILL RE-TEST THE TANK. 3/26/07:SAC TELECON LAWRENCE BEYER. MR. BEYER SAID REPAIRS TO THE TANK HAVE BEEN COMPLETED AND THE TANK PASSED ITS TIGHTNESS RE-TEST. END DECRemark - 0651926

Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

Database(s)  
EDR ID Number  
EPA ID Number

H J KALFAS SCHOOL (Continued)

S108468010

Remarks: Start CallerRemark - 0651926 Failed tightness test. Hears vacuum loss during tank testing. Thinks hiss coming out of the vent or manway. Repair recently done on repair bucket (tank took on water-138 gallons pumps out during repair). Tank out of service. UST 10K gallons of diesel for boilers. 72" of product in tank. Elmwood Pump and Tank called for repair. Interstitial is dry. Records show level of product the same as three weeks ago. It has been a long time since tank was filled (thinks more than a year). No mw on site, unable to determine gw depth. END CallerRemark - 0651926

52  
NNE  
1/2-1  
2726 ft.  
  
TAM CERAMICS, INC.  
4511 HYDE PARK BOULEVARD  
NIAGARA, NY 14305

SHWS 1005957152  
N/A

Relative:  
Higher

SHWS:

Program: HW  
Site Code: 56677  
Classification: DOES NOT PRESENT A SIGNIFICANT THREAT TO THE PUBLIC HEALTH OR THE ENVIRONMENT - ACTION MAY BE DEFERRED.

Actual:  
598 ft.

Region: 9  
Acres: Not reported  
HW Code: 932028  
Record Add: 1999-11-18 12:00:00  
Record Upd: 2004-12-31 10:14:00  
Updated By: DKKING

Site Description:

This is an operating plant site producing basic ingredients for the manufacture of refractory products. A portion of the site has been used as a storage area for obsolete equipment. Furnace linings and various metallic ore residues were deposited as surface fill. The site is immediately adjacent to the Hyde Park Landfill. A Phase I assessment of the site was completed in January 1989. In the Summer of 1990, 178 drums of non-hazardous zirconium oxychloride wastes, with clay, were excavated from a trench at the central portion of the site and disposed at Modern Landfill, Lewiston, NY. Trench excavations and soil/waste sampling was conducted in May 1992. Barium wastes were confirmed. TAM signed a Consent Order in January 1994 requiring the performance of an IRM and Preliminary Site Assessment (PSA). TAM completed the Interim Remedial Measure (IRM) by removing the exposed Barium wastes that were found in the eastern portion of the site. However, drums of barium remain buried in the southwest area of the facility. Sampling of these wastes discovered TCLP barium in one sample. Based on the results of the PSA, the presence of volatiles, semi-volatiles and pesticide/herbicide compounds on the site are limited and are not a concern. No PCBs were detected on site. Metals and inorganics were detected at various locations throughout the site. Impact from disposal practices are limited to a small area on the eastern side and an area in the southwest corner of the site. In December 1997 TAM Ceramics installed a fourth groundwater monitoring well. Groundwater Monitoring and yearly reporting continues.

Environmental Problems:

Materials disposed by site owner are considered to present little environmental problems. Plant soil and groundwater have been contaminated by chemicals that migrated from the Hyde Park facility. Drums of barium remain buried in the south western area of the facility.

Health Problems Assessment:

Access to the site is restricted to plant personnel, and is controlled by a fence and 24-hour security. All area residences are supplied with public water, and private wells downgradient of the site are not being used. Results of the August 1995 radiation survey by the NYSDEC indicate elevated concentrations of radium-226, uranium-238, and thorium-232. The NYSDEC found that general area radiation levels near the contaminated areas are approximately fifty times higher than background levels. This matter has been



Map ID  
Direction  
Distance  
Distance (ft.)  
Elevation

MAP FINDINGS

**TAM CERAMICS, INC. (Continued)**

EDR ID Number  
EPA ID Number

Database(s)

**1005957152**

referred to the NYSDOH's Bureau of Environmental Radiation Protection. Since site access is restricted, there is little potential for the public to be exposed.

Dump: TRUE  
Structure: FALSE  
Lagoon: FALSE  
Landfill: FALSE  
Pond: FALSE  
Disp Start: 1930  
Disp Term: 1976  
Lat/Long: 43:07:46:0 / 79:02:02:0  
Dell: FALSE  
Record Add: 11/18/1999  
Record Upd: 11/18/1999  
Updated By: INITIAL  
Own Op: 03  
Sub Type: NNN  
Owner Name: Not reported  
Owner Company: TITANIUM ALLOY MANUF./NATIONAL LEAD,  
Owner Address: Not reported  
Owner Addr2: Not reported  
Owner City,St,Zip: ZZ  
Owner Country: United States of America  
Own Op: 04  
Sub Type: NNN  
Owner Name: Not reported  
Owner Company: TAM Ceramics, Inc.  
Owner Address: 4511 Hyde Park Boulevard  
Owner Addr2: Not reported  
Owner City,St,Zip: Niagara Falls, NY 14305  
Owner Country: United States of America  
Own Op: 01  
Sub Type: NNN  
Owner Name: Not reported  
Owner Company: TAM Ceramics, Inc.  
Owner Address: 4511 Hyde Park Boulevard  
Owner Addr2: Not reported  
Owner City,St,Zip: Niagara Falls, NY 14302  
Owner Country: United States of America  
Own Op: 04  
Sub Type: E  
Owner Name: Not reported  
Owner Company: TITANIUM ALLOY MANUF./NATIONAL LEAD,  
Owner Address: 4511 HYDE PARK BLVD.  
Owner Addr2: Not reported  
Owner City,St,Zip: NIAGARA FALLS, NY  
Owner Country: United States of America  
HW Code: 932028  
Waste Type: BARIUM (D005 WASTE)  
Waste Quantity: UNKNOWN  
Waste Code: Not reported  
Crossref ID: NYD002102473  
Cross Ref Type Code: 05  
Cross Ref Type: EPA Site ID  
Record Added Date: 11/18/99  
Record Updated: 05/10/01  
Updated By: REGTRANS

## ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
NIAGARA	S106780948	CARBORUNDUM COMPANY, GLOBAL	HYDE PARK BOULEVARD, RHODE ISLAND AVENUE	14305	SHWS, INST CONTROL
NIAGARA	S106780947	WITMER ROAD SITE	JAMES AVENUE AT WITMER ROAD	14305	SHWS
NIAGARA	S105842435	AIRCO CARBON LANDFILL	WITMER ROAD	14305	SWF/LF
NIAGARA	S106780943	VANADIUM CORPORATION OF AMERICA	WITMER ROAD AT MARYLAND AVENUE	14305	SHWS, INST CONTROL
NIAGARA COUNTY	S106770180	LEWISTOWN LF (T)	?		SWF/LF
NIAGARA FALLS	S103573070	UNI-MART STORE #5010	ROUTE 31 / MILITARY ROAD		NY Spills, NY Hist Spills
NIAGARA FALLS	S104643042		47TH NEAR RT 62		NY Spills, NY Hist Spills
NIAGARA FALLS	S102177809	SATARIAN AUTO PARTS	ROUTE 62 / TUSCARORA ROAD		NY Spills, NY Hist Spills
NIAGARA FALLS	1000981150	NYS DOT BIN 1064999 - LASALLE EXPWY	RTE 951A BRG OVER BUFFALO	14305	RCRA-SQG, FINDS, NY MANIFEST
NIAGARA FALLS	8850018	BUFFALO AVENUE	BUFFALO AVENUE		ERNS
NIAGARA FALLS	91224933	BUFFALO AVENUE AND 47TH STREET	BUFFALO AVENUE AND 47TH STREET		ERNS
NIAGARA FALLS	91217108	BUFFALO AVENUE AND 26TH STREET	BUFFALO AVENUE AND 26TH STREET		ERNS
NIAGARA FALLS	U004081596	GENERAL ABRASIVE TREIBACHER INC	200 COLLEGE AVE	14305	UST
NIAGARA FALLS	S102178860	BUTLER TRUCKING CO.	HIGHLAND AVENUE		NY Spills, NY Hist Spills
NIAGARA FALLS	S102177967	NIAGARA VEST, INC.	HIGHLAND AVENUE		NY Spills, NY Hist Spills
NIAGARA FALLS	S102569852	UNKNOWN VEHICLE ON I190	I190 RAMP AT ROUTE 62		NY Spills, NY Hist Spills
NIAGARA FALLS	1000981151	NYS DOT BIN 1068142	ROBERT MOSES PKWY RTE 957A WB	14305	RCRA-SQG, FINDS
NIAGARA FALLS	S105912449	D&J AUTO	UNKNOWN		SWF/LF
NIAGARA FALLS	S105912450	DUNN AUTO	UNKNOWN		SWF/LF
NIAGARA FALLS,	1009231131	DCB SERVICES	1351 LEHIGH COURT	14305	NY MANIFEST
WHEATFIELD	S105586509	NIAGARA CO. REFUSE DISP.-WHEATFIELD	WITMER ROAD	14305	SHWS

## EPA Waste Codes Addendum

Code	Description
F039	LEACHATE (LIQUIDS THAT HAVE PERCOLATED THROUGH LAND DISPOSED WASTES) RESULTING FROM THE DISPOSAL OF MORE THAN ONE RESTRICTED WASTE CLASSIFIED AS HAZARDOUS UNDER SUBPART D OF THIS PART. (LEACHATE RESULTING FROM THE DISPOSAL OF ONE OR MORE OF THE FOLLOWING EPA HAZARDOUS WASTES AND NO OTHER HAZARDOUS WASTES RETAINS ITS EPA HAZARDOUS WASTES NUMBER(S): F020, F021, F022, F026, F027, AND/OR F028).

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Number of Days to Update:** Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

## **FEDERAL RECORDS**

### **NPL: National Priority List**

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/20/2007	Source: EPA
Date Data Arrived at EDR: 05/03/2007	Telephone: N/A
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 07/31/2007
Number of Days to Update: 63	Next Scheduled EDR Contact: 10/29/2007
	Data Release Frequency: Quarterly

### **NPL Site Boundaries**

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)  
Telephone: 202-564-7333

EPA Region 1  
Telephone 617-918-1143

EPA Region 6  
Telephone: 214-655-6659

EPA Region 3  
Telephone 215-814-5418

EPA Region 7  
Telephone: 913-551-7247

EPA Region 4  
Telephone 404-562-8033

EPA Region 8  
Telephone: 303-312-6774

EPA Region 5  
Telephone 312-886-6686

EPA Region 9  
Telephone: 415-947-4246

EPA Region 10  
Telephone 206-553-8665

### **Proposed NPL: Proposed National Priority List Sites**

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/20/2007	Source: EPA
Date Data Arrived at EDR: 05/03/2007	Telephone: N/A
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 08/03/2007
Number of Days to Update: 63	Next Scheduled EDR Contact: 10/29/2007
	Data Release Frequency: Quarterly

### **DELISTED NPL: National Priority List Deletions**

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/20/2007	Source: EPA
Date Data Arrived at EDR: 05/03/2007	Telephone: N/A
Date Made Active in Reports: 06/25/2007	Last EDR Contact: 08/03/2007
Number of Days to Update: 53	Next Scheduled EDR Contact: 10/29/2007
	Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **NPL LIENS:** Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991

Date Data Arrived at EDR: 02/02/1994

Date Made Active in Reports: 03/30/1994

Number of Days to Update: 56

Source: EPA

Telephone: 202-564-4267

Last EDR Contact: 05/21/2007

Next Scheduled EDR Contact: 08/20/2007

Data Release Frequency: No Update Planned

### **CERCLIS:** Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/27/2007

Date Data Arrived at EDR: 03/21/2007

Date Made Active in Reports: 04/27/2007

Number of Days to Update: 37

Source: EPA

Telephone: 703-412-9810

Last EDR Contact: 06/20/2007

Next Scheduled EDR Contact: 09/17/2007

Data Release Frequency: Quarterly

### **CERCLIS-NFRAP:** CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 03/21/2007

Date Data Arrived at EDR: 04/27/2007

Date Made Active in Reports: 05/25/2007

Number of Days to Update: 28

Source: EPA

Telephone: 703-412-9810

Last EDR Contact: 06/15/2007

Next Scheduled EDR Contact: 09/17/2007

Data Release Frequency: Quarterly

### **CORRACTS:** Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/14/2007

Date Data Arrived at EDR: 03/20/2007

Date Made Active in Reports: 04/27/2007

Number of Days to Update: 38

Source: EPA

Telephone: 800-424-9346

Last EDR Contact: 06/04/2007

Next Scheduled EDR Contact: 09/03/2007

Data Release Frequency: Quarterly

### **RCRA:** Resource Conservation and Recovery Act Information

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/13/2006	Source: EPA
Date Data Arrived at EDR: 06/28/2006	Telephone: (212) 637-3660
Date Made Active in Reports: 08/23/2006	Last EDR Contact: 07/16/2007
Number of Days to Update: 56	Next Scheduled EDR Contact: 09/17/2007
	Data Release Frequency: Quarterly

### **ERNS:** Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2006	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/24/2007	Telephone: 202-267-2180
Date Made Active in Reports: 03/12/2007	Last EDR Contact: 07/23/2007
Number of Days to Update: 47	Next Scheduled EDR Contact: 10/22/2007
	Data Release Frequency: Annually

### **HMIRS:** Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/05/2007	Source: U.S. Department of Transportation
Date Data Arrived at EDR: 04/17/2007	Telephone: 202-366-4555
Date Made Active in Reports: 05/14/2007	Last EDR Contact: 07/18/2007
Number of Days to Update: 27	Next Scheduled EDR Contact: 10/15/2007
	Data Release Frequency: Annually

### **US ENG CONTROLS:** Engineering Controls Sites List

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 04/20/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/26/2007	Telephone: 703-603-8905
Date Made Active in Reports: 05/25/2007	Last EDR Contact: 07/02/2007
Number of Days to Update: 29	Next Scheduled EDR Contact: 10/01/2007
	Data Release Frequency: Varies

### **US INST CONTROL:** Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 04/20/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/26/2007	Telephone: 703-603-8905
Date Made Active in Reports: 05/25/2007	Last EDR Contact: 07/02/2007
Number of Days to Update: 29	Next Scheduled EDR Contact: 10/01/2007
	Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **DOD:** Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 703-692-8801
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 05/11/2007
Number of Days to Update: 62	Next Scheduled EDR Contact: 08/06/2007
	Data Release Frequency: Semi-Annually

### **FUDS:** Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

Date of Government Version: 12/31/2005	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 09/20/2006	Telephone: 202-528-4285
Date Made Active in Reports: 11/22/2006	Last EDR Contact: 07/02/2007
Number of Days to Update: 63	Next Scheduled EDR Contact: 10/01/2007
	Data Release Frequency: Varies

### **US BROWNFIELDS:** A Listing of Brownfields Sites

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 04/04/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/04/2007	Telephone: 202-566-2777
Date Made Active in Reports: 05/25/2007	Last EDR Contact: 06/11/2007
Number of Days to Update: 51	Next Scheduled EDR Contact: 09/10/2007
	Data Release Frequency: Semi-Annually

### **CONSENT:** Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 08/23/2006	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 03/06/2007	Telephone: Varies
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 07/24/2007
Number of Days to Update: 35	Next Scheduled EDR Contact: 10/22/2007
	Data Release Frequency: Varies

### **ROD:** Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 03/27/2007	Source: EPA
Date Data Arrived at EDR: 03/27/2007	Telephone: 703-416-0223
Date Made Active in Reports: 04/27/2007	Last EDR Contact: 07/02/2007
Number of Days to Update: 31	Next Scheduled EDR Contact: 10/01/2007
	Data Release Frequency: Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **UMTRA:** Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 11/08/2006	Telephone: 505-845-0011
Date Made Active in Reports: 01/29/2007	Last EDR Contact: 07/05/2007
Number of Days to Update: 82	Next Scheduled EDR Contact: 09/17/2007
	Data Release Frequency: Varies

### **ODI:** Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

### **TRIS:** Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2005	Source: EPA
Date Data Arrived at EDR: 04/27/2007	Telephone: 202-566-0250
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 06/19/2007
Number of Days to Update: 69	Next Scheduled EDR Contact: 09/17/2007
	Data Release Frequency: Annually

### **TSCA:** Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002	Source: EPA
Date Data Arrived at EDR: 04/14/2006	Telephone: 202-260-5521
Date Made Active in Reports: 05/30/2006	Last EDR Contact: 07/30/2007
Number of Days to Update: 46	Next Scheduled EDR Contact: 10/15/2007
	Data Release Frequency: Every 4 Years

### **FTTS:** FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/13/2007	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/25/2007	Telephone: 202-566-1667
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 06/15/2007
Number of Days to Update: 71	Next Scheduled EDR Contact: 09/17/2007
	Data Release Frequency: Quarterly

### **FTTS INSP:** FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act) A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/13/2007	Source: EPA
Date Data Arrived at EDR: 04/25/2007	Telephone: 202-566-1667
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 06/15/2007
Number of Days to Update: 71	Next Scheduled EDR Contact: 09/17/2007
	Data Release Frequency: Quarterly



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **SSTS:** Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2005	Source: EPA
Date Data Arrived at EDR: 03/13/2007	Telephone: 202-564-4203
Date Made Active in Reports: 04/27/2007	Last EDR Contact: 07/16/2007
Number of Days to Update: 45	Next Scheduled EDR Contact: 10/15/2007
	Data Release Frequency: Annually

### **LIENS 2:** CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 03/08/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/12/2007	Telephone: 202-564-6023
Date Made Active in Reports: 05/14/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 32	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Varies

### **RADINFO:** Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 05/01/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/03/2007	Telephone: 202-343-9775
Date Made Active in Reports: 05/25/2007	Last EDR Contact: 08/01/2007
Number of Days to Update: 22	Next Scheduled EDR Contact: 10/29/2007
	Data Release Frequency: Quarterly

### **CDL:** Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/01/2006	Source: Drug Enforcement Administration
Date Data Arrived at EDR: 01/08/2007	Telephone: 202-307-1000
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 06/29/2007
Number of Days to Update: 3	Next Scheduled EDR Contact: 09/24/2007
	Data Release Frequency: Quarterly

### **HIST FTTS:** FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 06/15/2007
Number of Days to Update: 40	Next Scheduled EDR Contact: 09/17/2007
	Data Release Frequency: No Update Planned

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **ICIS:** Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 02/21/2007

Date Data Arrived at EDR: 04/03/2007

Date Made Active in Reports: 05/14/2007

Number of Days to Update: 41

Source: Environmental Protection Agency

Telephone: 202-564-5088

Last EDR Contact: 06/22/2007

Next Scheduled EDR Contact: 07/16/2007

Data Release Frequency: Quarterly

### **LUCIS:** Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005

Date Data Arrived at EDR: 12/11/2006

Date Made Active in Reports: 01/11/2007

Number of Days to Update: 31

Source: Department of the Navy

Telephone: 843-820-7326

Last EDR Contact: 06/11/2007

Next Scheduled EDR Contact: 09/10/2007

Data Release Frequency: Varies

### **DOT OPS:** Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 05/14/2007

Date Data Arrived at EDR: 05/30/2007

Date Made Active in Reports: 07/05/2007

Number of Days to Update: 36

Source: Department of Transportation, Office of Pipeline Safety

Telephone: 202-366-4595

Last EDR Contact: 05/30/2007

Next Scheduled EDR Contact: 08/27/2007

Data Release Frequency: Varies

### **PADS:** PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 10/17/2006

Date Data Arrived at EDR: 11/29/2006

Date Made Active in Reports: 01/11/2007

Number of Days to Update: 43

Source: EPA

Telephone: 202-566-0500

Last EDR Contact: 06/08/2007

Next Scheduled EDR Contact: 08/06/2007

Data Release Frequency: Annually

### **MLTS:** Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/05/2007

Date Data Arrived at EDR: 04/25/2007

Date Made Active in Reports: 05/25/2007

Number of Days to Update: 30

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169

Last EDR Contact: 07/02/2007

Next Scheduled EDR Contact: 10/01/2007

Data Release Frequency: Quarterly

### **MINES:** Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/06/2007

Date Data Arrived at EDR: 03/28/2007

Date Made Active in Reports: 05/14/2007

Number of Days to Update: 47

Source: Department of Labor, Mine Safety and Health Administration

Telephone: 303-231-5959

Last EDR Contact: 06/28/2007

Next Scheduled EDR Contact: 09/24/2007

Data Release Frequency: Semi-Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **FINDS:** Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/12/2007	Source: EPA
Date Data Arrived at EDR: 05/17/2007	Telephone: (212) 637-3000
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 07/02/2007
Number of Days to Update: 49	Next Scheduled EDR Contact: 10/01/2007
	Data Release Frequency: Quarterly

### **RAATS:** RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/04/2007
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/03/2007
	Data Release Frequency: No Update Planned

### **BRS:** Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2005	Source: EPA/NTIS
Date Data Arrived at EDR: 03/06/2007	Telephone: 800-424-9346
Date Made Active in Reports: 04/13/2007	Last EDR Contact: 06/12/2007
Number of Days to Update: 38	Next Scheduled EDR Contact: 09/10/2007
	Data Release Frequency: Biennially

### **PWS:** Public Water System Data

This Safe Drinking Water Information System (SDWIS) file contains public water systems name and address, population served and the primary source of water

Date of Government Version: 02/24/2000	Source: EPA
Date Data Arrived at EDR: 04/27/2005	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: 05/21/2007
Number of Days to Update: 0	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: N/A

### **USGS WATER WELLS:** National Water Information System (NWIS)

This database consists of well records in the United States. Available site descriptive information includes well location information (latitude and longitude, well depth, site use, water use, and aquifer).

Date of Government Version: 03/25/2005	Source: USGS
Date Data Arrived at EDR: 03/25/2005	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: 03/25/2005
Number of Days to Update: 0	Next Scheduled EDR Contact: N/A
	Data Release Frequency: N/A

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## STATE AND LOCAL RECORDS

### **SHWS:** Inactive Hazardous Waste Disposal Sites in New York State

Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 05/01/2007

Source: Department of Environmental Conservation

Date Data Arrived at EDR: 06/13/2007

Telephone: 518-402-9622

Date Made Active in Reports: 07/24/2007

Last EDR Contact: 06/13/2007

Number of Days to Update: 41

Next Scheduled EDR Contact: 09/10/2007

Data Release Frequency: Annually

### **HSWDS:** Hazardous Substance Waste Disposal Site Inventory

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

Date of Government Version: 01/01/2003

Source: Department of Environmental Conservation

Date Data Arrived at EDR: 10/20/2006

Telephone: 518-402-9564

Date Made Active in Reports: 11/30/2006

Last EDR Contact: 05/29/2007

Number of Days to Update: 41

Next Scheduled EDR Contact: 08/27/2007

Data Release Frequency: No Update Planned

### **DEL SHWS:** Delisted Registry Sites

A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 05/01/2007

Source: Department of Environmental Conservation

Date Data Arrived at EDR: 06/13/2007

Telephone: 518-402-9622

Date Made Active in Reports: 07/24/2007

Last EDR Contact: 06/13/2007

Number of Days to Update: 41

Next Scheduled EDR Contact: 09/10/2007

Data Release Frequency: Annually

### **SWF/LF:** Facility Register

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/01/2007

Source: Department of Environmental Conservation

Date Data Arrived at EDR: 05/01/2007

Telephone: 518-457-2051

Date Made Active in Reports: 05/23/2007

Last EDR Contact: 07/30/2007

Number of Days to Update: 22

Next Scheduled EDR Contact: 10/29/2007

Data Release Frequency: Semi-Annually

### **SWTIRE:** Registered Waste Tire Storage & Facility List

A listing of facilities registered to accept waste tires.

Date of Government Version: 08/01/2006

Source: Department of Environmental Conservation

Date Data Arrived at EDR: 11/15/2006

Telephone: 518-402-8694

Date Made Active in Reports: 11/30/2006

Last EDR Contact: 05/17/2007

Number of Days to Update: 15

Next Scheduled EDR Contact: 08/13/2007

Data Release Frequency: Annually

### **SWRCY:** Registered Recycling Facility List

A listing of recycling facilities.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 05/01/2007  
Date Data Arrived at EDR: 05/01/2007  
Date Made Active in Reports: 05/23/2007  
Number of Days to Update: 22

Source: Department of Environmental Conservation  
Telephone: 518-402-8705  
Last EDR Contact: 07/30/2007  
Next Scheduled EDR Contact: 10/29/2007  
Data Release Frequency: Semi-Annually

### **LTANKS:** Spills Information Database

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

Date of Government Version: 04/02/2007  
Date Data Arrived at EDR: 04/25/2007  
Date Made Active in Reports: 05/23/2007  
Number of Days to Update: 28

Source: Department of Environmental Conservation  
Telephone: 518-402-9549  
Last EDR Contact: 07/25/2007  
Next Scheduled EDR Contact: 10/22/2007  
Data Release Frequency: Varies

### **HIST LTANKS:** Listing of Leaking Storage Tanks

A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002  
Date Data Arrived at EDR: 07/08/2005  
Date Made Active in Reports: 07/14/2005  
Number of Days to Update: 6

Source: Department of Environmental Conservation  
Telephone: 518-402-9549  
Last EDR Contact: 07/07/2005  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### **UST:** Petroleum Bulk Storage (PBS) Database

Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 04/02/2007  
Date Data Arrived at EDR: 04/25/2007  
Date Made Active in Reports: 05/08/2007  
Number of Days to Update: 13

Source: Department of Environmental Conservation  
Telephone: 518-402-9549  
Last EDR Contact: 07/25/2007  
Next Scheduled EDR Contact: 10/22/2007  
Data Release Frequency: No Update Planned

### **CBS UST:** Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002  
Date Data Arrived at EDR: 02/20/2002  
Date Made Active in Reports: 03/22/2002  
Number of Days to Update: 30

Source: NYSDEC  
Telephone: 518-402-9549  
Last EDR Contact: 10/24/2005  
Next Scheduled EDR Contact: 01/23/2006  
Data Release Frequency: No Update Planned

### **MOSF UST:** Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002  
Date Data Arrived at EDR: 02/20/2002  
Date Made Active in Reports: 03/22/2002  
Number of Days to Update: 30

Source: NYSDEC  
Telephone: 518-402-9549  
Last EDR Contact: 07/25/2005  
Next Scheduled EDR Contact: 10/24/2005  
Data Release Frequency: Varies

### **HIST UST:** Historical Petroleum Bulk Storage Database

These facilities have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. It is no longer updated due to the sensitive nature of the information involved. See UST for more current data.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/01/2002  
Date Data Arrived at EDR: 06/02/2006  
Date Made Active in Reports: 07/20/2006  
Number of Days to Update: 48

Source: Department of Environmental Conservation  
Telephone: 518-402-9549  
Last EDR Contact: 10/23/2006  
Next Scheduled EDR Contact: 01/22/2007  
Data Release Frequency: Varies

**AST:** Petroleum Bulk Storage  
Registered Aboveground Storage Tanks.

Date of Government Version: 04/02/2007  
Date Data Arrived at EDR: 04/25/2007  
Date Made Active in Reports: 05/08/2007  
Number of Days to Update: 13

Source: Department of Environmental Conservation  
Telephone: 518-402-9549  
Last EDR Contact: 07/25/2007  
Next Scheduled EDR Contact: 10/22/2007  
Data Release Frequency: No Update Planned

**CBS AST:** Chemical Bulk Storage Database

Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002  
Date Data Arrived at EDR: 02/20/2002  
Date Made Active in Reports: 03/22/2002  
Number of Days to Update: 30

Source: NYSDEC  
Telephone: 518-402-9549  
Last EDR Contact: 07/25/2005  
Next Scheduled EDR Contact: 10/24/2005  
Data Release Frequency: No Update Planned

**HIST AST:** Historical Petroleum Bulk Storage Database

These facilities have petroleum storage capabilities in excess of 1,100 gallons and less than 400,000 gallons. This database contains detailed information per site. No longer updated due to the sensitive nature of the information involved. See AST for more current data.

Date of Government Version: 01/01/2002  
Date Data Arrived at EDR: 06/02/2006  
Date Made Active in Reports: 07/20/2006  
Number of Days to Update: 48

Source: Department of Environmental Conservation  
Telephone: 518-402-9549  
Last EDR Contact: 10/23/2006  
Next Scheduled EDR Contact: 01/22/2007  
Data Release Frequency: No Update Planned

**MOSF AST:** Major Oil Storage Facilities Database

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002  
Date Data Arrived at EDR: 02/20/2002  
Date Made Active in Reports: 03/22/2002  
Number of Days to Update: 30

Source: NYSDEC  
Telephone: 518-402-9549  
Last EDR Contact: 07/25/2005  
Next Scheduled EDR Contact: 10/24/2005  
Data Release Frequency: No Update Planned

**NY MANIFEST:** Facility and Manifest Data

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

Date of Government Version: 10/26/2006  
Date Data Arrived at EDR: 11/29/2006  
Date Made Active in Reports: 01/05/2007  
Number of Days to Update: 37

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 06/01/2007  
Next Scheduled EDR Contact: 08/27/2007  
Data Release Frequency: Annually

**SPILLS:** Spills Information Database

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

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/02/2007  
Date Data Arrived at EDR: 04/25/2007  
Date Made Active in Reports: 05/23/2007  
Number of Days to Update: 28

Source: Department of Environmental Conservation  
Telephone: 518-402-9549  
Last EDR Contact: 07/25/2007  
Next Scheduled EDR Contact: 10/22/2007  
Data Release Frequency: Varies

### **HIST SPILLS:** SPILLS Database

This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002  
Date Data Arrived at EDR: 07/08/2005  
Date Made Active in Reports: 07/14/2005  
Number of Days to Update: 6

Source: Department of Environmental Conservation  
Telephone: 518-402-9549  
Last EDR Contact: 07/07/2005  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### **ENG CONTROLS:** Registry of Engineering Controls

Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 05/01/2007  
Date Data Arrived at EDR: 06/13/2007  
Date Made Active in Reports: 07/24/2007  
Number of Days to Update: 41

Source: Department of Environmental Conservation  
Telephone: 518-402-9553  
Last EDR Contact: 06/13/2007  
Next Scheduled EDR Contact: 09/10/2007  
Data Release Frequency: Quarterly

### **INST CONTROL:** Registry of Institutional Controls

Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 05/01/2007  
Date Data Arrived at EDR: 06/13/2007  
Date Made Active in Reports: 07/24/2007  
Number of Days to Update: 41

Source: Department of Environmental Conservation  
Telephone: 518-402-9553  
Last EDR Contact: 06/13/2007  
Next Scheduled EDR Contact: 09/10/2007  
Data Release Frequency: Quarterly

### **VCP:** Voluntary Cleanup Agreements

New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 05/01/2007  
Date Data Arrived at EDR: 06/13/2007  
Date Made Active in Reports: 07/24/2007  
Number of Days to Update: 41

Source: Department of Environmental Conservation  
Telephone: 518-402-9711  
Last EDR Contact: 06/13/2007  
Next Scheduled EDR Contact: 09/10/2007  
Data Release Frequency: Semi-Annually

### **DRYCLEANERS:** Registered Drycleaners

A listing of all registered drycleaning facilities.

Date of Government Version: 06/15/2004  
Date Data Arrived at EDR: 06/15/2004  
Date Made Active in Reports: 07/29/2004  
Number of Days to Update: 44

Source: Department of Environmental Conservation  
Telephone: 518-402-8403  
Last EDR Contact: 05/21/2004  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### **BROWNFIELDS:** Brownfields Site List

A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 05/01/2007  
Date Data Arrived at EDR: 06/13/2007  
Date Made Active in Reports: 07/24/2007  
Number of Days to Update: 41

Source: Department of Environmental Conservation  
Telephone: 518-402-9764  
Last EDR Contact: 06/13/2007  
Next Scheduled EDR Contact: 09/10/2007  
Data Release Frequency: Semi-Annually

### **SPDES:** State Pollutant Discharge Elimination System

New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 05/09/2007  
Date Data Arrived at EDR: 05/10/2007  
Date Made Active in Reports: 05/23/2007  
Number of Days to Update: 13

Source: Department of Environmental Conservation  
Telephone: 518-402-8233  
Last EDR Contact: 08/06/2007  
Next Scheduled EDR Contact: 11/05/2007  
Data Release Frequency: No Update Planned

### **AIRS:** Air Emissions Data

Point source emissions inventory data.

Date of Government Version: 12/31/2002  
Date Data Arrived at EDR: 09/13/2004  
Date Made Active in Reports: 10/18/2004  
Number of Days to Update: 35

Source: Department of Environmental Conservation  
Telephone: 518-402-8452  
Last EDR Contact: 05/21/2007  
Next Scheduled EDR Contact: 08/20/2007  
Data Release Frequency: Annually

### **MOSF:** Major Oil Storage Facility Site Listing

These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 04/02/2007  
Date Data Arrived at EDR: 04/25/2007  
Date Made Active in Reports: 05/23/2007  
Number of Days to Update: 28

Source: Department of Environmental Conservation  
Telephone: 518-402-9549  
Last EDR Contact: 07/25/2007  
Next Scheduled EDR Contact: 10/22/2007  
Data Release Frequency: Quarterly

### **RES DECL:** Restrictive Declarations Listing

A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 12/31/1992  
Date Data Arrived at EDR: 01/31/2007  
Date Made Active in Reports: 04/19/2007  
Number of Days to Update: 78

Source: NYC Department of City Planning  
Telephone: 212-720-3401  
Last EDR Contact: 07/17/2007  
Next Scheduled EDR Contact: 10/15/2007  
Data Release Frequency: No Update Planned

### **CBS:** Chemical Bulk Storage Site Listing

These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 04/02/2007  
Date Data Arrived at EDR: 04/25/2007  
Date Made Active in Reports: 05/23/2007  
Number of Days to Update: 28

Source: Department of Environmental Conservation  
Telephone: 518-402-9549  
Last EDR Contact: 07/25/2007  
Next Scheduled EDR Contact: 10/22/2007  
Data Release Frequency: Quarterly



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### E DESIGNATION: E DESIGNATION SITE LISTING

The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements). The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 02/28/2007	Source: New York City Department of City Planning
Date Data Arrived at EDR: 04/25/2007	Telephone: 718-595-6658
Date Made Active in Reports: 05/23/2007	Last EDR Contact: 07/18/2007
Number of Days to Update: 28	Next Scheduled EDR Contact: 10/15/2007
	Data Release Frequency: Varies

### TRIBAL RECORDS

#### INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 12/08/2006	Telephone: 202-208-3710
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 05/11/2007
Number of Days to Update: 34	Next Scheduled EDR Contact: 08/06/2007
	Data Release Frequency: Semi-Annually

#### INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 12/01/2006	Source: EPA Region 1
Date Data Arrived at EDR: 12/01/2006	Telephone: 617-918-1313
Date Made Active in Reports: 01/29/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 59	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Varies

#### INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 05/30/2007	Source: EPA Region 8
Date Data Arrived at EDR: 05/31/2007	Telephone: 303-312-6271
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 35	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Quarterly

#### INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 03/20/2007	Source: EPA Region 4
Date Data Arrived at EDR: 04/16/2007	Telephone: 404-562-8677
Date Made Active in Reports: 05/14/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 28	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Semi-Annually

#### INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 06/18/2007	Source: Environmental Protection Agency
Date Data Arrived at EDR: 06/18/2007	Telephone: 415-972-3372
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 17	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Quarterly

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**INDIAN LUST R10:** Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 05/23/2007	Source: EPA Region 10
Date Data Arrived at EDR: 05/24/2007	Telephone: 206-553-2857
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Quarterly

**INDIAN LUST R7:** Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 06/01/2007	Source: EPA Region 7
Date Data Arrived at EDR: 06/14/2007	Telephone: 913-551-7003
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 21	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Varies

**INDIAN LUST R6:** Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 01/04/2005	Source: EPA Region 6
Date Data Arrived at EDR: 01/21/2005	Telephone: 214-665-6597
Date Made Active in Reports: 02/28/2005	Last EDR Contact: 05/21/2007
Number of Days to Update: 38	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Varies

**INDIAN UST R4:** Underground Storage Tanks on Indian Land

Date of Government Version: 03/20/2007	Source: EPA Region 4
Date Data Arrived at EDR: 04/16/2007	Telephone: 404-562-9424
Date Made Active in Reports: 05/14/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 28	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Semi-Annually

**INDIAN UST R5:** Underground Storage Tanks on Indian Land

Date of Government Version: 12/02/2004	Source: EPA Region 5
Date Data Arrived at EDR: 12/29/2004	Telephone: 312-886-6136
Date Made Active in Reports: 02/04/2005	Last EDR Contact: 05/21/2007
Number of Days to Update: 37	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Varies

**INDIAN UST R8:** Underground Storage Tanks on Indian Land

Date of Government Version: 05/30/2007	Source: EPA Region 8
Date Data Arrived at EDR: 05/31/2007	Telephone: 303-312-6137
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 35	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Quarterly

**INDIAN UST R10:** Underground Storage Tanks on Indian Land

Date of Government Version: 05/23/2007	Source: EPA Region 10
Date Data Arrived at EDR: 05/24/2007	Telephone: 206-553-2857
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 05/21/2007
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/20/2007
	Data Release Frequency: Quarterly

**INDIAN UST R1:** Underground Storage Tanks on Indian Land

A listing of underground storage tank locations on Indian Land.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/01/2006  
Date Data Arrived at EDR: 12/01/2006  
Date Made Active in Reports: 01/29/2007  
Number of Days to Update: 59

Source: EPA, Region 1  
Telephone: 617-918-1313  
Last EDR Contact: 05/21/2007  
Next Scheduled EDR Contact: 08/20/2007  
Data Release Frequency: Varies

### **INDIAN UST R6:** Underground Storage Tanks on Indian Land

Date of Government Version: 06/06/2007  
Date Data Arrived at EDR: 06/07/2007  
Date Made Active in Reports: 07/05/2007  
Number of Days to Update: 28

Source: EPA Region 6  
Telephone: 214-665-7591  
Last EDR Contact: 05/21/2007  
Next Scheduled EDR Contact: 08/20/2007  
Data Release Frequency: Semi-Annually

### **INDIAN UST R9:** Underground Storage Tanks on Indian Land

Date of Government Version: 06/18/2007  
Date Data Arrived at EDR: 06/18/2007  
Date Made Active in Reports: 07/05/2007  
Number of Days to Update: 17

Source: EPA Region 9  
Telephone: 415-972-3368  
Last EDR Contact: 05/21/2007  
Next Scheduled EDR Contact: 08/20/2007  
Data Release Frequency: Quarterly

### **INDIAN UST R7:** Underground Storage Tanks on Indian Land

Date of Government Version: 06/01/2007  
Date Data Arrived at EDR: 06/14/2007  
Date Made Active in Reports: 07/05/2007  
Number of Days to Update: 21

Source: EPA Region 7  
Telephone: 913-551-7003  
Last EDR Contact: 05/21/2007  
Next Scheduled EDR Contact: 08/20/2007  
Data Release Frequency: Varies

### **EDR PROPRIETARY RECORDS**

#### **Manufactured Gas Plants:** EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A  
Date Data Arrived at EDR: N/A  
Date Made Active in Reports: N/A  
Number of Days to Update: N/A

Source: EDR, Inc.  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: No Update Planned

### **COUNTY RECORDS**

#### **CORTLAND COUNTY:**

##### **Cortland County Storage Tank Listing**

A listing of aboveground storage tank sites located in Cortland County.

Date of Government Version: 04/26/2007  
Date Data Arrived at EDR: 05/02/2007  
Date Made Active in Reports: 05/30/2007  
Number of Days to Update: 28

Source: Cortland County Health Department  
Telephone: 607-753-5035  
Last EDR Contact: 05/29/2007  
Next Scheduled EDR Contact: 08/27/2007  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Cortland County Storage Tank Listing

A listing of underground storage tank sites located in Cortland County.

Date of Government Version: 04/26/2007  
Date Data Arrived at EDR: 05/02/2007  
Date Made Active in Reports: 05/30/2007  
Number of Days to Update: 28

Source: Cortland County Health Department  
Telephone: 607-753-5035  
Last EDR Contact: 05/29/2007  
Next Scheduled EDR Contact: 08/27/2007  
Data Release Frequency: Quarterly

## NASSAU COUNTY:

### Registered Tank Database

A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 05/21/2003  
Date Data Arrived at EDR: 05/27/2003  
Date Made Active in Reports: 06/09/2003  
Number of Days to Update: 13

Source: Nassau County Health Department  
Telephone: 516-571-3314  
Last EDR Contact: 07/30/2007  
Next Scheduled EDR Contact: 10/29/2007  
Data Release Frequency: No Update Planned

### Storage Tank Database

A listing of aboveground storage tank sites located in Nassau County.

Date of Government Version: 01/04/2007  
Date Data Arrived at EDR: 02/07/2007  
Date Made Active in Reports: 03/26/2007  
Number of Days to Update: 47

Source: Nassau County Office of the Fire Marshal  
Telephone: 516-572-1000  
Last EDR Contact: 08/06/2007  
Next Scheduled EDR Contact: 11/05/2007  
Data Release Frequency: Varies

### Registered Tank Database

A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 05/21/2003  
Date Data Arrived at EDR: 05/27/2003  
Date Made Active in Reports: 06/09/2003  
Number of Days to Update: 13

Source: Nassau County Health Department  
Telephone: 516-571-3314  
Last EDR Contact: 07/30/2007  
Next Scheduled EDR Contact: 10/29/2007  
Data Release Frequency: No Update Planned

### Storage Tank Database

A listing of underground storage tank sites located in Nassau County.

Date of Government Version: 01/04/2007  
Date Data Arrived at EDR: 02/07/2007  
Date Made Active in Reports: 03/23/2007  
Number of Days to Update: 44

Source: Nassau County Office of the Fire Marshal  
Telephone: 516-572-1000  
Last EDR Contact: 08/06/2007  
Next Scheduled EDR Contact: 11/05/2007  
Data Release Frequency: Varies

## ROCKLAND COUNTY:

### Petroleum Bulk Storage Database

A listing of aboveground storage tank sites located in Rockland County.

Date of Government Version: 05/10/2007  
Date Data Arrived at EDR: 05/11/2007  
Date Made Active in Reports: 05/30/2007  
Number of Days to Update: 19

Source: Rockland County Health Department  
Telephone: 914-364-2605  
Last EDR Contact: 07/02/2007  
Next Scheduled EDR Contact: 10/01/2007  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## Petroleum Bulk Storage Database

A listing of underground storage tank sites located in Rockland County.

Date of Government Version: 05/10/2007  
Date Data Arrived at EDR: 05/11/2007  
Date Made Active in Reports: 05/30/2007  
Number of Days to Update: 19

Source: Rockland County Health Department  
Telephone: 914-364-2605  
Last EDR Contact: 07/02/2007  
Next Scheduled EDR Contact: 10/01/2007  
Data Release Frequency: Quarterly

## SUFFOLK COUNTY:

### Storage Tank Database

A listing of aboveground storage tank sites located in Suffolk County.

Date of Government Version: 09/13/2006  
Date Data Arrived at EDR: 01/11/2007  
Date Made Active in Reports: 02/07/2007  
Number of Days to Update: 27

Source: Suffolk County Department of Health Services  
Telephone: 631-854-2521  
Last EDR Contact: 06/01/2007  
Next Scheduled EDR Contact: 08/27/2007  
Data Release Frequency: Annually

### Storage Tank Database

A listing of underground storage tank sites located in Suffolk County.

Date of Government Version: 09/13/2006  
Date Data Arrived at EDR: 01/11/2007  
Date Made Active in Reports: 02/07/2007  
Number of Days to Update: 27

Source: Suffolk County Department of Health Services  
Telephone: 631-854-2521  
Last EDR Contact: 06/01/2007  
Next Scheduled EDR Contact: 08/27/2007  
Data Release Frequency: Annually

## WESTCHESTER COUNTY:

### Listing of Storage Tanks

A listing of aboveground storage tank sites located in Westchester County.

Date of Government Version: 05/05/2005  
Date Data Arrived at EDR: 05/31/2005  
Date Made Active in Reports: 06/30/2005  
Number of Days to Update: 30

Source: Westchester County Department of Health  
Telephone: 914-813-5161  
Last EDR Contact: 05/29/2007  
Next Scheduled EDR Contact: 08/27/2007  
Data Release Frequency: Varies

### Listing of Storage Tanks

A listing of underground storage tank sites located in Westchester County.

Date of Government Version: 05/05/2005  
Date Data Arrived at EDR: 05/31/2005  
Date Made Active in Reports: 06/30/2005  
Number of Days to Update: 30

Source: Westchester County Department of Health  
Telephone: 914-813-5161  
Last EDR Contact: 05/29/2007  
Next Scheduled EDR Contact: 08/27/2007  
Data Release Frequency: Varies

## OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 12/31/2004  
Date Data Arrived at EDR: 02/17/2006  
Date Made Active in Reports: 04/07/2006  
Number of Days to Update: 49

Source: Department of Environmental Protection  
Telephone: 860-424-3375  
Last EDR Contact: 06/13/2007  
Next Scheduled EDR Contact: 09/10/2007  
Data Release Frequency: Annually

### NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 04/01/2007  
Date Data Arrived at EDR: 04/05/2007  
Date Made Active in Reports: 05/08/2007  
Number of Days to Update: 33

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 07/03/2007  
Next Scheduled EDR Contact: 10/01/2007  
Data Release Frequency: Annually

### PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 03/17/2006  
Date Made Active in Reports: 06/06/2006  
Number of Days to Update: 81

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 06/11/2007  
Next Scheduled EDR Contact: 09/10/2007  
Data Release Frequency: Annually

### RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 04/09/2007  
Date Data Arrived at EDR: 04/12/2007  
Date Made Active in Reports: 04/27/2007  
Number of Days to Update: 15

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 06/18/2007  
Next Scheduled EDR Contact: 09/17/2007  
Data Release Frequency: Annually

### VT MANIFEST: Hazardous Waste Manifest Data

Hazardous waste manifest information.

Date of Government Version: 12/31/2006  
Date Data Arrived at EDR: 04/03/2007  
Date Made Active in Reports: 04/24/2007  
Number of Days to Update: 21

Source: Department of Environmental Conservation  
Telephone: 802-241-3443  
Last EDR Contact: 05/14/2007  
Next Scheduled EDR Contact: 08/13/2007  
Data Release Frequency: Annually

### WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2006  
Date Data Arrived at EDR: 04/27/2007  
Date Made Active in Reports: 06/08/2007  
Number of Days to Update: 42

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 07/09/2007  
Next Scheduled EDR Contact: 10/08/2007  
Data Release Frequency: Annually

**Oil/Gas Pipelines:** This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

### Electric Power Transmission Line Data

Source: PennWell Corporation  
Telephone: (800) 823-6277

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## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

**Sensitive Receptors:** There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

### **AHA Hospitals:**

Source: American Hospital Association, Inc.

Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

### **Medical Centers: Provider of Services Listing**

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

### **Nursing Homes**

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

### **Public Schools**

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

### **Private Schools**

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

### **Daycare Centers: Day Care Providers**

Source: Department of Health

Telephone: 212-676-2444

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

### **State Wetlands Data: Freshwater Wetlands**

Source: Department of Environmental Conservation

Telephone: 518-402-8961

### **Scanned Digital USGS 7.5' Topographic Map (DRG)**

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## **STREET AND ADDRESS INFORMATION**

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## **GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM**

### **TARGET PROPERTY ADDRESS**

1501 COLLEGE AVENUE  
1501 COLLEGE AVENUE  
NIAGARA FALLS, NY 14305

### **TARGET PROPERTY COORDINATES**

Latitude (North):	43.12190 - 43° 7' 18.8"
Longitude (West):	79.0441 - 79° 2' 38.8"
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	659113.2
UTM Y (Meters):	4775993.5
Elevation:	582 ft. above sea level

### **USGS TOPOGRAPHIC MAP**

Target Property Map:	43079-B1 LEWISTON, NY
Most Recent Revision:	1980
South Map:	43079-A1 NIAGARA FALLS, NY
Most Recent Revision:	1980

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.



## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

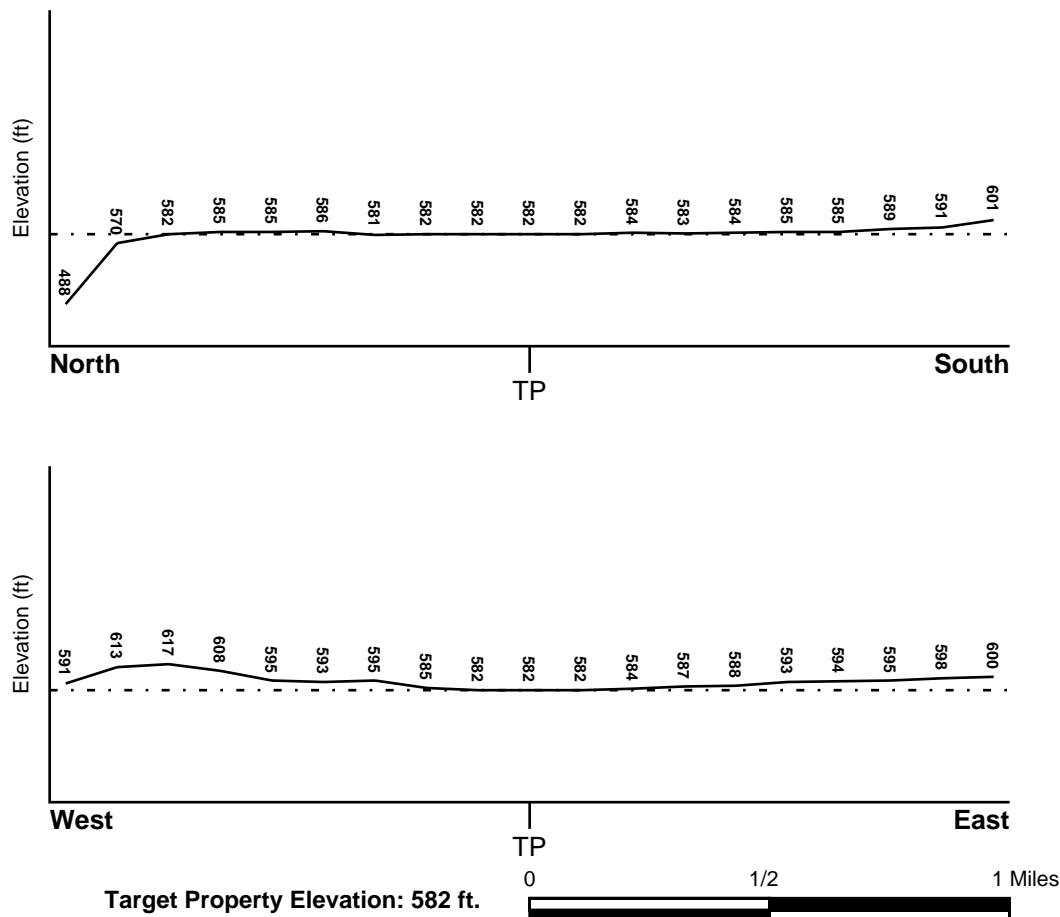
### TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General ESE

### SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

### FEMA FLOOD ZONE

Target Property County  
NIAGARA, NY

FEMA Flood  
Electronic Data  
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 3605060001B

Additional Panels in search area: 3605020005B  
3605070001B  
00000000000

### NATIONAL WETLAND INVENTORY

NWI Quad at Target Property  
NIAGARA FALLS

NWI Electronic  
Data Coverage  
Not Available

### HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

#### ***Site-Specific Hydrogeological Data\*:***

Search Radius: 1.25 miles  
Status: Not found

### AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION</u> <u>FROM TP</u>	<u>GENERAL DIRECTION</u> <u>GROUNDWATER FLOW</u>
Not Reported		

## **GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY**

### **GROUNDWATER FLOW VELOCITY INFORMATION**

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

### **GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY**

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

#### **ROCK STRATIGRAPHIC UNIT**

Era: Paleozoic  
System: Ordovician  
Series: Upper Ordovician (Cincinnatian)  
Code: O3 (decoded above as Era, System & Series)

#### **GEOLOGIC AGE IDENTIFICATION**

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### **DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY**

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: URBAN LAND

Soil Surface Texture: variable

Hydrologic Group: Not reported

Soil Drainage Class: Not reported

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 10 inches

Depth to Bedrock Max: > 10 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	6 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

### OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silt loam  
loamy fine sand  
channery - silt loam

Surficial Soil Types: silt loam  
loamy fine sand  
channery - silt loam

Shallow Soil Types: loam  
silt loam  
channery - silt loam

Deeper Soil Types: silt loam  
fine sand  
unweathered bedrock  
silty clay  
gravelly - loam  
very channery - loam

### LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

### WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

### FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS2253801	1/8 - 1/4 Mile NW
2	USGS2253803	1/8 - 1/4 Mile NE
3	USGS2253800	1/8 - 1/4 Mile East
4	USGS2253794	1/8 - 1/4 Mile WSW
5	USGS2253788	1/4 - 1/2 Mile SW
6	USGS2253984	1/4 - 1/2 Mile South
A7	USGS2253983	1/2 - 1 Mile SSE
A8	USGS2253982	1/2 - 1 Mile SSE
A9	USGS2253980	1/2 - 1 Mile SE
10	USGS2253787	1/2 - 1 Mile SW
B11	USGS2253978	1/2 - 1 Mile SSW
12	USGS2253828	1/2 - 1 Mile NNE
13	USGS2253976	1/2 - 1 Mile SSE
14	USGS2253979	1/2 - 1 Mile SW
15	USGS2253793	1/2 - 1 Mile West
B16	USGS2253975	1/2 - 1 Mile SSW
17	USGS2253792	1/2 - 1 Mile East
18	USGS2253977	1/2 - 1 Mile SE
C19	USGS2253818	1/2 - 1 Mile ENE
20	USGS2253835	1/2 - 1 Mile NNE
C21	USGS2253823	1/2 - 1 Mile ENE
22	USGS2253971	1/2 - 1 Mile South

### FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

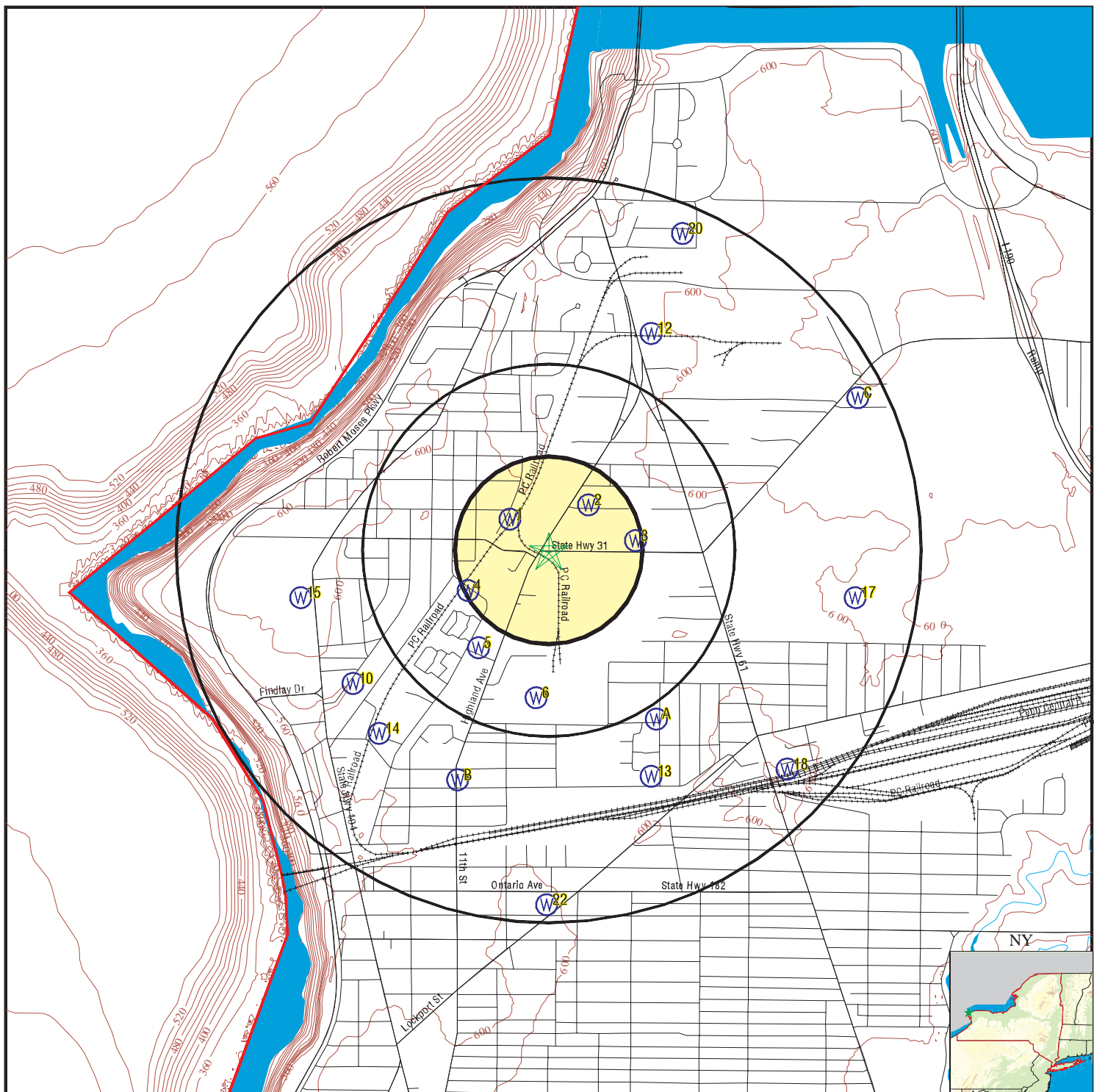
MAP ID	WELL ID	LOCATION FROM TP
No PWS System Found		

Note: PWS System location is not always the same as well location.

### STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

# PHYSICAL SETTING SOURCE MAP - 1999478.2s



- County Boundary
- Major Roads
- Contour Lines
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data
- Oil, gas or related wells

0 1/4 1/2 1 Miles



SITE NAME: 1501 College Avenue  
 ADDRESS: 1501 College Avenue  
 Niagara Falls NY 14305  
 LAT/LONG: 43.1219 / 79.0441

CLIENT: Benchmark Environmental, PLLC  
 CONTACT: Nathan Munley  
 INQUIRY #: 1999478.2s  
 DATE: August 08, 2007 7:39 am

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

**1**

**NW**

**1/8 - 1/4 Mile  
Higher**

**FED USGS**

**USGS2253801**

Agency cd:	USGS	Site no:	430723079024701
Site name:	NI 345		
Latitude:	430723		
Longitude:	0790247	Dec lat:	43.12311098
Dec lon:	-79.0461557	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	063
Country:	US	Land net:	Not Reported
Location map:	NIAGARA FALLS I-04-3	Map scale:	25000
Altitude:	590		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Niagara. New York. Area = 774 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Test hole, not completed as a well		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	NY86-16400		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**2**

**NE**

**1/8 - 1/4 Mile  
Higher**

**FED USGS**

**USGS2253803**

Agency cd:	USGS	Site no:	430725079023201
Site name:	NI 349		
Latitude:	430725		
Longitude:	0790232	Dec lat:	43.12366655
Dec lon:	-79.04198891	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	063
Country:	US	Land net:	Not Reported
Location map:	NIAGARA FALLS I-04-3	Map scale:	25000

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	585.43		
Altitude method:	Level or other surveying method		
Altitude accuracy:	.1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Niagara. New York. Area = 774 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19740912
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Test hole, not completed as a well		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	13.3
Source of depth data:	driller		
Project number:	NY86-16400		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1974-09-12	Ground water data end date:	1974-09-12
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1974-09-12	10.2	

**3**  
**East**  
**1/8 - 1/4 Mile**  
**Higher**

**FED USGS      USGS2253800**

Agency cd:	USGS	Site no:	430720079022301
Site name:	NI 341		
Latitude:	430720	Dec lat:	43.12227768
Longitude:	0790223	Coor meth:	M
Dec lon:	-79.03948881	Latlong datum:	NAD27
Coor accr:	F	District:	36
Dec latlong datum:	NAD83	County:	063
State:	36	Land net:	Not Reported
Country:	US	Map scale:	25000
Location map:	NIAGARA FALLS I-04-3		
Altitude:	583.0		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	002		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Niagara. New York. Area = 774 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19700615
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Test hole, not completed as a well		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	25.0
Source of depth data:	driller		
Project number:	NY86-16400		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0  
 Water quality data end date: 0000-00-00  
 Ground water data begin date: 1970-06-15  
 Ground water data count: 1

Water quality data begin date: 0000-00-00  
 Water quality data count: 0  
 Ground water data end date: 1970-06-15

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1970-06-15	4.20	

**4**  
**WSW**  
**1/8 - 1/4 Mile**  
**Higher**

**FED USGS USGS2253794**

Agency cd:	USGS	Site no:	430713079025501
Site name:	NI 320		
Latitude:	430713		
Longitude:	0790255	Dec lat:	43.12033321
Dec lon:	-79.04837795	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	063
Country:	US	Land net:	Not Reported
Location map:	NIAGARA FALLS I-04-3	Map scale:	25000
Altitude:	589.66		
Altitude method:	Level or other surveying method		
Altitude accuracy:	0.1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Niagara. New York. Area = 774 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19850410
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	63	Hole depth:	65
Source of depth data:	reporting agency (generally USGS)		
Project number:	NY86-16400		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1985-04-10	Ground water data end date:	1985-04-10
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1985-04-10	8.3	

**5**  
**SW**  
**1/4 - 1/2 Mile**  
**Higher**

**FED USGS USGS2253788**

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	430705079025301
Site name:	NI 304		
Latitude:	430705		
Longitude:	0790253	Dec lat:	43.118111
Dec lon:	-79.04782234	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	063
Country:	US	Land net:	Not Reported
Location map:	NIAGARA FALLS I-04-3	Map scale:	25000
Altitude:	595.69		
Altitude method:	Level or other surveying method		
Altitude accuracy:	0.1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Niagara. New York. Area = 774 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19841022
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	54	Hole depth:	54
Source of depth data:	reporting agency (generally USGS)		
Project number:	NY86-16400		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1985-03-27	Ground water data end date:	1985-03-27
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1985-03-27	46.7	

6

**South  
1/4 - 1/2 Mile  
Higher**

**FED USGS**

**USGS2253984**

Agency cd:	USGS	Site no:	430658079024201
Site name:	NI 294		
Latitude:	430658		
Longitude:	0790242	Dec lat:	43.11616658
Dec lon:	-79.04476666	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	063
Country:	US	Land net:	Not Reported
Location map:	BULL GW-53	Map scale:	92157
Altitude:	590.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5.0		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Niagara. New York. Area = 774 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19400101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	LOCKPORT DOLOMITE		
Well depth:	119	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	BULLGW-53		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1940-00-00	Ground water data end date:	1940-00-00
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1940	16.0	

**A7  
SSE  
1/2 - 1 Mile  
Higher**

**FED USGS      USGS2253983**

Agency cd:	USGS	Site no:	430656079022001
Site name:	NI 287		
Latitude:	430656		
Longitude:	0790220	Dec lat:	43.11561106
Dec lon:	-79.03865535	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	063
Country:	US	Land net:	Not Reported
Location map:	BULL GW-53	Map scale:	92157
Altitude:	596.00		
Altitude method:	Level or other surveying method		
Altitude accuracy:	1.0		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Niagara. New York. Area = 774 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19580101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	LOCKPORT DOLOMITE		
Well depth:	36.0	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	BULLGW-53		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1961-10-19	Ground water data end date:	1961-10-19
Ground water data count:	1		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
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1961-10-19	21.7	
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Note: Other conditions existed that would affect the measured water level.

A8  
SSE  
1/2 - 1 Mile  
Higher

FED USGS USGS2253982

Agency cd:	USGS	Site no:	430655079022001
Site name:	Local number, Ni-69, Niagara Falls NY		
Latitude:	430655		
Longitude:	0790220	Dec lat:	43.11533328
Dec lon:	-79.03865534	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	063
Country:	US	Land net:	Not Reported
Location map:	NIAGARA FALLS I-04-3	Map scale:	24000
Altitude:	595.61		
Altitude method:	Level or other surveying method		
Altitude accuracy:	.1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Niagara. New York. Area = 774 sq.mi.		
Topographic:	Valley flat		
Site type:	Ground-water other than Spring	Date construction:	19580101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	LOCKPORT DOLOMITE		
Well depth:	36.0	Hole depth:	36.0
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1958-10-31	Ground water data end date:	1995-11-01
Ground water data count:	1415		

Ground-water levels, Number of Measurements: 1415

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1995-11-01	19.2		1995-09-05	20.61	
1995-07-26	20.20		1995-06-09	19.88	
1995-05-02	19.85		1995-03-07	18.40	
1995-01-11	19.52		1994-11-16	19.12	
1994-09-13	22.32		1994-07-26	19.95	
1994-06-07	19.09		1994-04-12	17.29	
1994-03-01	18.84		1994-01-25	20.47	
1993-12-10	18.81		1993-10-06	20.15	
1993-08-04	20.42		1993-06-23	19.52	
1993-05-12	19.05		1993-04-07	17.20	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1993-01-07	16.48		1992-10-06	19.81	
1992-09-10	19.51		1992-07-09	19.67	
1992-05-20	19.23		1992-04-22	17.41	
1992-03-06	19.00		1992-01-17	20.10	
1991-12-05	20.64		1991-10-15	21.30	
1991-09-03	21.26		1991-07-26	20.53	
1991-06-12	19.68		1991-05-16	19.04	
1991-03-18	17.86		1991-02-12	19.72	
1990-12-28	18.09		1990-11-29	20.22	
1990-09-19	20.65		1990-08-01	20.35	
1990-06-13	19.12		1990-04-26	18.06	
1990-03-18	17.86		1990-03-07	18.20	
1989-12-20	20.78		1989-10-25	20.42	
1989-08-23	20.67		1989-06-21	18.49	
1989-04-24	18.79		1989-03-24	18.95	
1989-03-15	19.93		1989-03-07	19.78	
1989-02-28	20.23		1989-02-21	19.94	
1989-02-16	20.23		1989-01-31	19.82	
1989-01-25	20.18		1989-01-23	20.15	
1989-01-16	19.73		1989-01-10	19.66	
1989-01-03	20.49		1988-12-27	20.33	
1988-12-19	20.64		1988-12-12	20.42	
1988-12-05	19.95		1988-11-30	20.03	
1988-11-28	20.01		1988-11-21	19.84	
1988-11-14	20.07		1988-11-07	20.45	
1988-10-31	20.48		1988-10-24	20.85	
1988-10-17	20.67		1988-10-11	20.90	
1988-09-21	21.18		1988-08-29	20.97	
1988-08-06	20.45		1988-08-01	20.68	
1988-07-25	20.56		1988-07-18	20.44	
1988-07-11	19.75		1988-07-05	20.63	
1988-06-27	20.37		1988-06-21	20.29	
1988-06-13	19.30		1988-05-31	19.67	
1988-05-23	19.48		1988-05-15	19.29	
1988-05-09	19.07		1988-05-02	18.81	
1988-04-25	19.18		1988-04-18	18.90	
1988-04-11	18.40		1988-04-04	18.06	
1988-03-28	18.04		1988-03-21	19.17	
1988-03-14	18.92		1988-03-09	18.79	
1988-03-07	18.91		1988-02-29	18.44	
1988-02-23	18.06		1988-02-16	19.24	
1988-02-08	19.63		1988-02-01	19.77	
1988-01-25	19.59		1988-01-18	18.90	
1988-01-12	19.16		1988-01-04	18.66	
1987-12-28	18.18		1987-12-21	17.56	
1987-12-14	18.58		1987-12-07	17.76	
1987-11-30	17.76		1987-11-23	19.86	
1987-11-09	19.77		1987-11-05	19.73	
1987-11-02	19.66		1987-10-26	19.68	
1987-10-19	19.73		1987-10-13	19.45	
1987-10-05	18.84		1987-09-16	19.61	
1987-08-04	19.64		1987-06-30	20.04	
1987-04-23	18.30		1987-02-26	19.33	
1987-01-21	18.32		1987-01-19	17.88	
1987-01-12	18.70		1987-01-05	17.75	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1986-12-29	17.88		1986-12-22	17.90	
1986-12-16	17.98		1986-12-15	19.09	
1986-12-08	19.40		1986-12-01	18.40	
1986-11-24	19.86		1986-11-10	19.90	
1986-11-05	19.56		1986-11-03	19.88	
1986-10-27	19.26		1986-10-20	19.00	
1986-10-14	18.88		1986-10-06	18.64	
1986-09-30	19.14		1986-09-15	20.66	
1986-09-08	20.82		1986-09-02	20.80	
1986-08-27	20.58		1986-08-26	20.62	
1986-08-11	20.35		1986-08-04	20.29	
1986-07-28	19.95		1986-07-21	19.97	
1986-07-14	19.92		1986-07-07	19.96	
1986-07-01	20.00		1986-06-30	20.00	
1986-06-23	19.64		1986-06-16	19.26	
1986-06-09	19.34		1986-06-03	19.32	
1986-05-28	19.00		1986-05-27	18.96	
1986-05-19	18.29		1986-05-14	19.20	
1986-05-05	18.60		1986-04-28	16.68	
1986-04-24	16.88		1986-04-21	16.90	
1985-12-02	19.47		1985-11-25	19.49	
1985-11-18	19.40		1985-11-12	19.40	
1985-11-04	19.64		1985-10-28	20.18	
1985-10-23	20.62		1985-10-15	20.97	
1985-10-09	21.09		1985-10-07	21.08	
1985-09-30	20.97		1985-09-23	20.87	
1985-09-16	20.74		1985-09-03	20.75	
1985-08-26	20.58		1985-08-19	20.72	
1985-08-12	20.89		1985-08-05	20.85	
1985-07-29	20.77		1985-07-22	20.57	
1985-07-16	20.47		1985-06-17	20.30	
1985-06-11	20.10		1985-06-03	20.05	
1985-05-28	20.13		1985-05-21	20.03	
1985-05-13	19.87		1985-05-06	18.67	
1985-04-22	18.59		1985-04-15	18.45	
1985-04-08	17.63		1985-04-01	18.15	
1985-03-25	18.50		1985-03-11	16.90	
1985-03-04	16.65		1985-02-25	16.00	
1985-01-14	18.49		1985-01-07	18.25	
1984-12-31	18.73		1984-12-24	19.95	
1984-12-17	20.42		1984-12-10	20.59	
1984-12-03	20.50		1984-11-26	20.50	
1984-11-19	19.90		1984-11-13	20.45	
1984-11-05	20.76		1984-10-29	20.80	
1984-10-22	20.67		1984-10-16	21.20	
1984-10-08	20.20		1984-10-01	19.97	
1984-09-26	20.20		1984-09-17	20.60	
1984-09-10	20.82		1984-09-04	20.75	
1984-08-27	20.85		1984-08-21	20.60	
1984-08-07	21.92		1984-08-06	20.49	
1984-07-30	20.48		1984-07-23	20.14	
1984-07-16	19.96		1984-07-09	19.58	
1984-07-02	19.08		1984-06-25	18.78	
1984-06-19	18.93		1984-06-11	19.08	
1984-06-04	18.50		1984-05-29	18.04	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1984-05-21	18.29		1984-05-14	17.73	
1984-05-07	17.79		1984-04-19	16.75	
1984-04-06	16.08		1984-04-03	18.69	
1984-03-27	18.72		1983-11-28	18.50	
1983-11-21	18.65		1983-11-14	18.70	
1983-11-09	19.09		1983-10-31	19.74	
1983-10-24	19.50		1983-10-17	20.25	
1983-10-11	20.27		1983-10-03	20.70	
1983-09-26	19.56		1983-09-19	20.65	
1983-09-12	20.65		1983-09-06	20.49	
1983-08-29	20.60		1983-08-22	19.60	
1983-08-15	20.68		1983-08-08	20.65	
1983-08-01	20.50		1983-07-25	20.90	
1983-07-18	20.50		1983-07-11	20.20	
1983-07-06	20.00		1983-06-20	20.14	
1983-06-13	19.80		1983-06-06	18.60	
1983-05-31	18.90		1983-05-23	18.00	
1983-05-16	18.62		1983-05-09	17.70	
1983-05-02	18.10		1983-04-25	17.66	
1983-04-18	17.62		1983-04-11	17.80	
1983-04-04	18.70		1983-03-28	19.80	
1983-03-21	20.00		1983-03-14	20.04	
1983-03-07	20.60		1983-02-28	19.20	
1983-02-24	18.32		1983-02-22	19.10	
1983-02-14	19.00		1983-02-07	18.90	
1983-01-31	19.64		1983-01-24	19.67	
1983-01-17	19.76		1983-01-10	19.10	
1983-01-04	19.10		1982-12-27	18.90	
1982-12-13	19.48		1982-12-06	19.50	
1982-11-29	19.70		1982-11-22	20.50	
1982-11-15	20.70		1982-11-08	21.03	
1982-11-01	21.05		1982-10-25	21.10	
1982-10-18	21.00		1982-10-12	20.90	
1982-10-04	21.10		1982-09-27	20.80	
1982-09-20	21.10		1982-09-16	20.90	
1982-09-07	20.87		1982-08-23	20.86	
1982-08-16	20.78		1982-08-09	20.90	
1982-08-02	20.70		1982-07-26	21.36	
1982-06-28	20.00		1982-06-14	19.80	
1982-06-07	18.20		1982-06-01	20.06	
1982-05-10	19.10		1982-05-03	18.80	
1982-04-26	18.67		1982-04-19	18.40	
1982-04-12	17.54		1982-04-05	17.38	
1982-03-29	17.58		1981-12-28	19.70	
1981-12-21	19.80		1981-12-14	19.65	
1981-11-30	18.87		1981-11-23	18.16	
1981-11-02	20.70		1981-10-26	20.39	
1981-10-19	20.47		1981-10-13	20.40	
1981-10-05	19.67		1981-09-28	19.70	
1981-09-14	20.20		1981-09-01	20.89	
1981-08-24	20.70		1981-08-17	20.40	
1981-08-10	20.10		1981-08-03	19.90	
1981-07-13	19.60		1981-07-06	19.50	
1981-06-29	19.20		1981-06-03	19.64	
1981-04-13	19.76		1981-04-06	19.65	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1981-03-30	19.59		1981-03-23	19.79	
1981-03-09	18.80		1981-02-02	19.90	
1981-01-26	20.97		1980-12-29	19.80	
1980-12-22	19.86		1980-12-15	19.62	
1980-12-08	20.00		1980-12-01	20.67	
1980-11-24	20.80		1980-11-17	20.86	
1980-11-10	20.88		1980-11-03	20.90	
1980-10-27	20.87		1980-10-20	20.90	
1980-10-14	21.10		1980-10-06	21.20	
1980-09-29	20.87		1980-09-22	20.90	
1980-09-15	20.90		1980-09-08	20.87	
1980-09-02	20.90		1980-08-25	21.20	
1980-08-18	21.00		1980-08-11	20.90	
1980-08-04	20.40		1980-07-28	20.80	
1980-07-21	20.89		1980-07-14	20.49	
1980-07-07	20.30		1980-06-23	19.80	
1980-06-16	20.24		1980-06-09	20.00	
1980-06-02	20.08		1980-05-26	19.90	
1980-05-19	19.90		1980-05-12	19.40	
1980-04-28	18.70		1980-04-21	17.70	
1980-04-14	17.49		1980-04-07	17.67	
1980-03-31	19.20		1980-03-17	19.79	
1980-03-10	20.40		1980-03-03	20.10	
1980-02-25	19.78		1980-02-19	20.19	
1980-02-12	20.10		1980-02-04	19.70	
1980-01-28	19.30		1980-01-21	18.90	
1980-01-14	18.59		1980-01-07	18.70	
1979-12-31	18.10		1979-12-26	17.00	
1979-12-17	19.30		1979-12-10	18.80	
1979-12-04	19.10		1979-11-26	19.07	
1979-11-19	19.49		1979-11-13	20.31	
1979-11-05	19.97		1979-10-29	19.56	
1979-10-22	18.98		1979-10-15	19.38	
1979-10-09	19.86		1979-10-01	20.48	
1979-09-29	20.16		1979-09-10	21.00	
1979-09-04	20.90		1979-08-27	21.35	
1979-08-21	21.09		1979-08-13	21.07	
1979-08-06	20.94		1979-07-30	21.37	
1979-07-23	21.20		1979-07-16	21.05	
1979-07-09	21.10		1979-07-02	20.75	
1979-06-25	20.66		1979-06-04	19.80	
1979-05-29	19.46		1979-05-21	19.48	
1979-05-14	19.26		1979-05-07	18.98	
1979-04-30	18.47		1979-04-23	18.10	
1979-04-17	17.53		1979-04-16	17.53	
1979-04-09	18.64		1979-04-02	19.06	
1979-03-26	18.87		1979-03-19	18.66	
1979-03-05	16.39		1979-01-15	18.35	
1979-01-08	18.5		1979-01-02	18.35	
1978-12-26	19.38		1978-12-18	19.4	
1978-12-13	19.2		1978-12-04	19.9	
1978-11-27	20.39		1978-11-20	20.4	
1978-11-13	19.79		1978-11-06	19.78	
1978-10-30	19.76		1978-10-23	19.25	
1978-10-16	19.07		1978-10-10	19.2	



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1978-10-02	19.90		1978-09-25	20.15	
1978-09-18	20.30		1978-09-11	21.10	
1978-09-05	21.09		1978-08-28	20.98	
1978-08-21	20.98		1978-08-14	20.95	
1978-08-07	20.92		1978-07-31	20.89	
1978-07-24	21.00		1978-07-17	20.98	
1978-07-10	20.75		1978-07-03	20.59	
1978-06-27	20.40		1978-06-20	20.29	
1978-06-12	20.03		1978-06-06	20.19	
1978-05-30	19.87		1978-05-22	19.57	
1978-05-15	19.40		1978-05-08	19.30	
1978-05-01	18.90		1978-04-25	18.50	
1978-04-17	18.88		1978-04-10	18.50	
1978-04-03	17.90		1978-03-27	17.10	
1978-03-20	17.50		1978-03-13	20.14	
1978-03-06	19.90		1978-02-27	20.38	
1978-02-21	20.35		1978-02-14	19.77	
1978-02-07	19.75		1978-01-30	19.30	
1978-01-16	18.90		1978-01-09	16.70	
1978-01-04	16.70		1977-12-26	16.90	
1977-12-19	16.90		1977-12-12	19.00	
1977-12-03	18.98		1977-11-28	19.00	
1977-11-22	18.58		1977-11-14	19.70	
1977-11-07	20.20		1977-10-31	20.00	
1977-10-24	19.72		1977-10-17	18.90	
1977-10-12	18.37		1977-10-03	17.43	
1977-09-26	18.10		1977-09-19	19.48	
1977-09-12	20.70		1977-09-06	20.55	
1977-08-29	20.57		1977-08-22	20.77	
1977-08-15	20.90		1977-08-08	20.97	
1977-08-01	21.00		1977-07-25	20.85	
1977-07-18	20.70		1977-07-11	20.68	
1977-07-05	20.75		1977-06-27	20.69	
1977-06-20	20.68		1977-06-13	20.58	
1977-06-06	20.40		1977-05-31	20.06	
1977-05-23	19.77		1977-05-16	19.50	
1977-05-09	19.26		1977-05-02	18.50	
1977-04-25	17.60		1977-04-18	19.28	
1977-04-11	18.83		1977-04-04	18.63	
1977-03-28	18.26		1977-03-21	19.33	
1977-03-14	18.33		1977-03-07	19.34	
1977-02-28	20.32		1977-01-10	20.84	
1977-01-04	21.05		1976-12-27	20.90	
1976-12-20	20.80		1976-12-13	21.00	
1976-12-06	21.04		1976-11-29	21.06	
1976-11-22	20.98		1976-11-15	20.90	
1976-11-08	20.78		1976-11-01	20.86	
1976-10-25	20.92		1976-10-18	20.93	
1976-10-12	20.90		1976-10-04	20.95	
1976-09-27	20.94		1976-09-20	20.92	
1976-09-13	21.05		1976-09-07	21.03	
1976-08-30	21.33		1976-08-23	20.40	
1976-08-16	20.08		1976-08-09	19.74	
1976-08-02	19.80		1976-07-26	20.10	
1976-07-19	19.79		1976-07-12	19.27	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1976-07-06	18.77		1976-06-28	19.77	
1976-06-21	19.96		1976-06-15	19.94	
1976-06-01	16.80		1976-05-24	17.78	
1976-05-17	17.78		1976-05-10	17.85	
1976-05-03	17.88		1976-04-26	17.38	
1976-04-19	18.68		1976-04-12	19.07	
1976-04-05	18.20		1976-03-29	18.44	
1976-03-23	18.16		1976-03-15	18.19	
1976-03-08	16.77		1976-03-01	17.40	
1976-02-23	17.40		1976-02-17	18.68	
1976-02-09	19.90		1976-02-02	19.75	
1976-01-27	19.45		1976-01-19	20.17	
1976-01-12	19.77		1976-01-05	19.54	
1975-12-29	19.64		1975-12-22	19.67	
1975-12-15	19.65		1975-12-08	20.15	
1975-12-01	20.78		1975-11-25	21.08	
1975-11-24	21.00		1975-11-17	20.99	
1975-11-15	21.00		1975-11-10	21.01	
1975-11-08	20.94		1975-11-03	21.02	
1975-10-27	20.99		1975-10-20	20.98	
1975-10-14	21.40		1975-10-06	20.96	
1975-09-15	21.00		1975-09-08	20.94	
1975-08-25	21.08		1975-08-18	21.10	
1975-08-11	20.78		1975-08-04	20.78	
1975-07-28	20.76		1975-07-21	20.74	
1975-07-14	20.76		1975-07-07	20.58	
1975-06-30	20.34		1975-06-23	19.79	
1975-06-16	19.65		1975-06-09	19.84	
1975-06-02	20.40		1975-05-27	20.10	
1975-05-19	19.90		1975-05-12	19.50	
1975-04-28	19.55		1975-04-21	19.28	
1975-04-14	18.65		1975-04-07	18.70	
1975-03-31	18.89		1975-03-24	18.90	
1975-03-17	19.30		1975-03-12	19.30	
1975-03-03	19.38		1975-02-24	19.37	
1975-02-18	19.79		1975-02-10	20.20	
1975-02-03	19.94		1975-01-27	20.20	
1975-01-20	19.81		1975-01-13	19.80	
1975-01-06	19.75		1974-12-30	19.80	
1974-12-23	19.77		1974-12-16	19.75	
1974-12-09	19.95		1974-12-03	20.50	
1974-11-26	20.77		1974-11-12	20.96	
1974-11-04	21.06		1974-10-28	21.10	
1974-10-21	21.08		1974-10-15	21.07	
1974-10-07	21.03		1974-09-23	21.02	
1974-09-17	21.00		1974-09-09	20.85	
1974-09-03	20.67		1974-08-26	20.88	
1974-08-19	21.13		1974-08-12	21.36	
1974-07-29	20.95		1974-07-22	20.77	
1974-07-15	20.45		1974-07-01	20.07	
1974-06-24	19.80		1974-06-17	20.27	
1974-06-10	20.39		1974-05-27	19.20	
1974-05-20	17.56		1974-05-13	18.34	
1974-05-08	19.39		1974-04-29	19.36	
1974-04-22	19.31		1974-04-15	18.40	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1974-04-08	17.60		1974-04-01	18.20	
1974-03-25	18.69		1974-03-18	18.70	
1974-03-11	18.08		1974-03-04	18.90	
1974-02-25	18.30		1974-02-19	19.60	
1974-02-11	19.40		1974-01-28	19.30	
1974-01-14	19.10		1974-01-07	19.00	
1973-12-26	19.30		1973-12-10	19.20	
1973-12-03	19.30		1973-11-26	19.60	
1973-11-19	19.80		1973-11-05	20.50	
1973-10-29	21.10		1973-10-23	21.30	
1973-10-16	21.30		1973-09-24	21.30	
1973-09-17	21.30		1973-09-10	21.10	
1973-09-04	21.00		1973-08-27	21.00	
1973-08-20	20.90		1973-08-13	21.10	
1973-08-06	20.90		1973-07-30	20.75	
1973-07-23	20.90		1973-07-16	20.45	
1973-07-09	20.30		1973-07-02	20.25	
1973-06-25	20.15		1973-06-18	19.90	
1973-06-11	19.75		1973-06-04	19.65	
1973-05-29	19.90		1973-05-21	19.50	
1973-05-14	19.40		1973-05-07	18.80	
1973-04-30	18.80		1973-04-23	18.70	
1973-04-10	17.40		1973-04-03	18.00	
1973-03-26	17.10		1973-03-19	17.30	
1973-03-12	18.30		1973-03-05	18.67	
1973-02-26	20.30		1973-02-20	19.60	
1973-02-13	18.80		1973-02-06	18.20	
1973-01-29	20.30		1973-01-22	19.80	
1973-01-16	18.00		1973-01-09	18.50	
1973-01-02	18.10		1972-12-26	18.40	
1972-12-18	18.50		1972-12-11	17.90	
1972-12-04	18.55		1972-11-20	18.80	
1972-11-11	19.20		1972-11-02	19.70	
1972-10-31	20.10		1972-10-24	20.30	
1972-10-10	20.55		1972-10-02	20.80	
1972-09-25	20.65		1972-09-18	20.40	
1972-09-11	20.50		1972-09-06	20.60	
1972-08-28	20.07		1972-08-21	19.76	
1972-08-14	20.20		1972-08-07	20.10	
1972-07-31	20.57		1972-07-24	20.45	
1972-07-17	20.10		1972-07-10	20.30	
1972-07-04	19.90		1972-07-03	19.20	
1972-06-26	19.00		1972-06-19	20.20	
1972-06-12	20.40		1972-06-05	20.09	
1972-05-30	19.76		1972-05-22	18.70	
1972-05-15	18.66		1972-05-08	18.68	
1972-05-01	18.61		1972-04-24	17.67	
1972-04-17	18.07		1972-04-10	18.48	
1972-04-03	18.69		1972-03-27	17.30	
1972-03-20	17.57		1972-03-13	18.87	
1972-03-06	19.30		1972-02-28	19.62	
1972-02-22	19.77		1972-02-14	19.73	
1972-01-31	19.05		1972-01-24	18.87	
1972-01-17	18.65		1972-01-10	18.55	
1972-01-03	18.52		1971-10-04	20.88	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1971-09-27	20.89		1971-09-20	20.88	
1971-09-14	20.86		1971-09-09	20.69	
1971-08-24	20.88		1971-08-16	20.88	
1971-08-09	20.87		1971-08-02	20.85	
1971-07-26	20.82		1971-07-19	20.75	
1971-07-12	20.70		1971-07-06	20.66	
1971-06-28	20.59		1971-06-21	20.45	
1971-06-14	19.75		1971-06-07	19.79	
1971-05-24	19.79		1971-05-18	19.78	
1971-05-10	19.97		1971-05-03	19.80	
1971-04-26	18.70		1971-04-19	18.68	
1971-04-12	18.60		1971-04-06	18.80	
1971-03-29	17.56		1971-03-22	17.57	
1971-03-15	17.56		1971-03-08	18.17	
1971-03-01	17.52		1971-02-16	20.32	
1971-02-09	20.30		1971-02-01	20.28	
1971-01-25	20.27		1971-01-18	19.84	
1971-01-11	19.57		1971-01-04	19.67	
1970-12-07	18.67		1970-11-30	19.22	
1970-11-23	19.75		1970-11-16	19.88	
1970-11-09	20.60		1970-11-02	20.65	
1970-10-26	20.66		1970-10-19	20.67	
1970-10-12	20.69		1970-10-05	20.70	
1970-09-28	20.69		1970-09-21	21.05	
1970-09-14	21.05		1970-09-07	20.92	
1970-08-31	20.82		1970-08-03	20.83	
1970-07-27	20.83		1970-07-20	20.90	
1970-07-13	20.89		1970-07-06	20.85	
1970-06-29	20.59		1970-06-22	20.55	
1970-06-15	20.65		1970-06-08	20.78	
1970-06-01	20.81		1970-05-25	20.29	
1970-05-18	20.26		1970-05-11	20.16	
1970-05-04	19.80		1970-04-28	19.56	
1970-04-20	19.54		1970-04-13	18.83	
1970-04-06	18.10		1970-03-30	19.00	
1970-03-23	19.30		1970-03-16	19.50	
1970-03-10	19.25		1970-03-03	19.67	
1970-02-24	19.49		1970-02-16	19.78	
1970-02-10	19.50		1970-02-02	20.34	
1970-01-26	21.05		1970-01-19	20.60	
1970-01-12	19.90		1970-01-05	20.40	
1969-12-29	20.87		1969-12-22	20.56	
1969-12-15	20.06		1969-12-08	20.64	
1969-12-02	20.96		1969-11-24	21.03	
1969-11-17	21.05		1969-11-12	21.25	
1969-11-05	21.20		1969-10-27	21.48	
1969-10-20	21.54		1969-10-13	21.59	
1969-10-06	21.55		1969-09-29	21.49	
1969-09-22	21.39		1969-09-15	21.34	
1969-09-08	21.22		1969-09-02	20.87	
1969-08-25	20.80		1969-08-18	20.70	
1969-08-11	20.92		1969-08-04	20.82	
1969-07-31	21.30		1969-07-21	20.80	
1969-07-14	20.70		1969-07-07	20.50	
1969-06-30	20.36		1969-06-23	20.15	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1969-06-16	19.98		1969-06-09	19.80	
1969-06-02	19.20		1969-05-26	18.16	
1969-05-19	17.21		1969-05-12	18.46	
1969-05-05	17.88		1969-04-28	17.88	
1969-04-21	17.20		1969-04-14	18.55	
1969-04-07	17.96		1969-03-31	19.17	
1969-03-24	19.80		1969-03-17	20.81	
1969-03-10	20.40		1969-03-04	20.24	
1969-02-24	19.75		1969-02-17	19.73	
1969-02-10	18.93		1969-02-03	18.39	
1969-01-27	18.67		1969-01-20	19.44	
1969-01-13	19.77		1969-01-06	19.94	
1968-12-30	19.80		1968-12-16	19.60	
1968-12-09	19.54		1968-12-02	19.50	
1968-11-25	20.20		1968-11-18	20.50	
1968-11-12	20.90		1968-11-04	21.16	
1968-10-28	21.15		1968-10-21	21.15	
1968-10-14	21.06		1968-10-07	20.97	
1968-09-30	20.76		1968-09-23	20.60	
1968-09-17	20.30		1968-09-09	20.90	
1968-08-30	20.85		1968-08-19	21.19	
1968-08-12	21.05		1968-08-05	20.87	
1968-07-25	20.84		1968-07-16	20.61	
1968-07-08	20.28		1968-06-17	20.68	
1968-06-10	20.60		1968-06-03	20.40	
1968-05-27	20.50		1968-05-20	20.40	
1968-05-14	20.51		1968-05-06	20.51	
1968-04-30	20.31		1968-04-15	19.52	
1968-04-08	19.16		1968-03-28	17.78	
1968-03-18	19.43		1968-03-11	20.39	
1968-03-04	20.44		1968-02-26	20.24	
1968-02-15	19.42		1968-02-07	18.53	
1968-01-30	18.66		1968-01-25	20.29	
1968-01-17	20.44		1968-01-12	19.98	
1967-12-27	19.24		1967-12-12	20.03	
1967-12-05	20.28		1967-11-20	20.28	
1967-11-13	20.53		1967-11-03	20.49	
1967-10-23	20.40		1967-10-09	20.77	
1967-10-02	20.70		1967-09-26	21.35	
1967-09-18	21.28		1967-09-11	21.17	
1967-09-05	21.12		1967-08-21	20.90	
1967-08-15	20.95		1967-08-09	20.83	
1967-07-31	21.06		1967-07-24	20.91	
1967-07-14	20.79		1967-07-07	20.77	
1967-06-27	20.64		1967-06-23	20.53	
1967-06-16	20.38		1967-06-05	19.69	
1967-05-25	19.39		1967-05-16	18.60	
1967-05-09	19.38		1967-05-03	19.67	
1967-04-24	19.23		1967-04-18	19.46	
1967-04-10	18.90		1967-04-04	19.01	
1967-03-27	19.68		1967-03-20	20.50	
1967-03-16	20.40		1967-03-06	20.28	
1967-02-27	20.24		1967-02-20	19.96	
1967-02-14	20.44		1967-02-03	20.13	
1967-01-23	20.46		1967-01-18	20.51	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1967-01-10	20.51		1967-01-03	20.72	
1966-12-20	20.36		1966-12-13	19.96	
1966-12-06	20.62		1966-11-29	20.86	
1966-11-22	21.09		1966-11-14	20.97	
1966-11-07	21.28		1966-10-24	21.50	
1966-10-17	21.44		1966-10-10	21.39	
1966-10-03	21.29		1966-09-23	21.35	
1966-09-15	21.30		1966-09-08	21.25	
1966-08-31	21.20		1966-08-25	21.09	
1966-08-18	21.04		1966-08-10	21.00	
1966-08-04	20.90		1966-07-28	20.81	
1966-07-22	20.80		1966-07-12	20.60	
1966-07-06	20.54		1966-06-27	20.18	
1966-06-20	19.98		1966-06-15	20.16	
1966-06-06	20.31		1966-05-31	20.15	
1966-05-23	19.80		1966-05-16	19.54	
1966-05-09	19.41		1966-04-28	18.81	
1966-04-20	19.82		1966-04-11	19.43	
1966-03-30	18.83		1966-03-23	18.83	
1966-03-16	18.40		1966-03-10	18.20	
1966-03-02	17.96		1966-02-23	19.02	
1966-02-14	17.83		1966-02-09	20.58	
1966-02-03	20.49		1966-01-25	20.33	
1966-01-17	20.03		1966-01-10	19.66	
1966-01-03	19.42		1965-12-28	19.54	
1965-12-20	19.80		1965-12-13	19.69	
1965-12-06	20.15		1965-11-29	19.95	
1965-11-22	20.09		1965-11-15	20.69	
1965-11-08	20.80		1965-11-01	20.78	
1965-10-26	20.74		1965-10-18	20.79	
1965-10-11	20.75		1965-09-27	21.00	
1965-09-20	20.83		1965-09-13	20.70	
1965-09-07	20.66		1965-08-30	20.91	
1965-08-23	20.95		1965-08-16	21.08	
1965-08-09	20.99		1965-08-02	21.07	
1965-07-26	20.99		1965-07-16	20.94	
1965-07-06	21.01		1965-06-28	20.91	
1965-06-21	20.81		1965-06-14	20.64	
1965-06-08	20.62		1965-05-28	20.39	
1965-05-24	20.32		1965-05-17	20.00	
1965-05-10	19.55		1965-04-30	18.64	
1965-04-23	18.13		1965-04-19	18.59	
1965-04-09	18.48		1965-04-02	18.94	
1965-03-31	18.96		1965-03-29	19.16	
1965-02-23	19.40		1965-01-25	20.45	
1965-01-10	20.40		1965-01-02	20.49	
1964-12-19	20.80		1964-12-12	20.88	
1964-12-05	21.37		1964-11-28	21.35	
1964-11-21	21.32		1964-11-14	21.32	
1964-11-07	21.30		1964-10-31	21.32	
1964-10-24	21.30		1964-10-17	21.25	
1964-09-26	20.97		1964-09-19	20.80	
1964-09-12	20.60		1964-09-05	20.27	
1964-09-01	20.09		1964-08-31	20.00	
1964-08-25	19.70		1964-08-20	20.60	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel
------	-----------------------	---------------------

1964-08-15	20.60	
1964-08-05	20.60	
1964-07-25	20.10	
1964-07-15	19.90	
1964-06-30	20.60	
1964-06-20	20.50	
1964-06-10	20.30	
1964-05-31	20.20	
1964-05-20	19.80	
1964-05-10	19.80	
1964-04-30	19.50	
1964-04-20	19.20	
1964-04-10	17.90	
1964-03-31	18.60	
1964-03-20	18.70	
1964-03-10	19.20	
1964-03-02	20.10	
1964-01-10	20.50	
1963-12-31	21.20	
1963-12-20	20.90	
1963-12-10	20.90	
1963-11-24	21.20	

Note: The site was flowing recently.

1963-11-20	21.30	
1963-11-10	21.20	
1963-10-31	21.60	
1963-10-20	21.60	
1963-10-10	21.50	
1963-09-30	21.40	
1963-09-20	21.30	
1963-09-09	20.80	
1963-08-31	20.60	
1963-08-20	20.10	
1963-08-10	20.30	

Note: The site was flowing recently.

1963-08-05	20.50	
1963-07-25	20.50	
1963-07-15	20.50	
1963-06-30	20.80	
1963-06-20	20.80	
1963-06-10	20.64	
1963-05-31	20.52	
1963-05-20	20.38	
1963-05-10	20.20	
1963-04-30	19.75	
1963-04-20	19.62	
1963-04-10	19.92	
1963-03-31	19.61	
1963-03-20	18.94	
1963-03-10	20.43	
1963-02-28	21.16	
1963-02-20	21.10	
1963-02-10	21.16	
1963-01-31	21.05	
1963-01-20	20.89	

Date	Feet below Surface	Feet to Sealevel
------	-----------------------	---------------------

1964-08-10	20.70	
1964-07-31	20.50	
1964-07-20	19.90	
1964-07-05	20.70	
1964-06-25	20.60	
1964-06-15	20.20	
1964-06-05	20.20	
1964-05-25	20.00	
1964-05-15	19.80	
1964-05-05	19.70	
1964-04-25	19.40	
1964-04-15	18.60	
1964-04-05	18.70	
1964-03-25	19.00	
1964-03-15	18.20	
1964-03-05	19.70	
1964-02-17	20.40	
1964-01-05	21.00	
1963-12-25	20.90	
1963-12-15	20.80	

1963-11-15	21.30	
1963-11-05	21.50	
1963-10-25	21.60	
1963-10-15	21.60	
1963-10-05	21.50	
1963-09-25	21.40	
1963-09-15	21.20	
1963-09-05	20.70	
1963-08-25	20.30	
1963-08-15	19.90	

1963-07-31	20.40	
1963-07-20	20.40	
1963-07-05	20.70	
1963-06-25	20.90	
1963-06-15	20.70	
1963-06-05	20.59	
1963-05-25	20.46	
1963-05-15	20.32	
1963-05-05	20.08	
1963-04-25	19.65	
1963-04-15	20.23	
1963-04-05	19.73	
1963-03-25	19.36	
1963-03-15	19.68	
1963-03-05	20.81	
1963-02-25	21.16	
1963-02-15	21.20	
1963-02-05	21.13	
1963-01-25	21.02	
1963-01-15	20.91	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1962-12-20	20.35		1962-12-15	20.20	
1962-11-18	20.39		1962-11-10	20.15	
1962-11-05	20.90				
Note: The site was flowing recently.					
1962-10-30	20.87		1962-10-25	21.00	
1962-10-15	20.11		1962-10-10	21.23	
1962-10-05	21.22		1962-09-28	21.13	
1962-09-25	21.51		1962-09-20	21.55	
1962-09-15	21.51		1962-09-10	21.47	
1962-09-05	21.42		1962-08-31	21.39	
1962-08-25	21.32		1962-08-15	21.32	
1962-08-10	21.26		1962-08-05	21.27	
1962-07-31	21.00				
Note: The site was flowing recently.					
1962-07-25	20.89				
Note: The site was flowing recently.					
1962-07-20	20.88		1962-07-15	20.80	
1962-07-10	20.69		1962-07-05	20.55	
1962-06-30	20.32		1962-06-25	20.13	
1962-06-20	20.03		1962-06-15	19.97	
1962-06-10	21.05		1962-05-31	20.97	
1962-05-25	20.88		1962-05-18	20.86	
1962-05-15	20.80		1962-05-05	20.60	
1962-04-30	20.49				
Note: The site was flowing recently.					
1962-04-10	20.40		1962-04-05	20.34	
1962-03-31	20.15		1962-03-25	19.86	
1962-03-20	19.53		1962-02-10	20.77	
1962-02-05	20.63				
1962-01-29	20.86				
Note: The site was flowing recently.					
1962-01-25	21.04		1962-01-20	21.02	
1962-01-15	20.70		1961-12-31	21.46	
1961-12-25	21.40				
1961-12-20	21.40				
Note: The site was flowing recently.					
1961-12-15	21.55		1961-12-10	21.50	
1961-12-05	21.33		1961-11-30	21.65	
1961-11-25	21.59		1961-11-20	21.71	
1961-11-15	21.76		1961-11-10	21.80	
1961-11-05	21.80		1961-10-31	21.70	
1961-10-25	21.70		1961-10-20	21.60	
1961-10-15	21.60				
1961-10-10	21.60				
Note: The site was flowing recently.					
1961-10-05	21.40		1961-09-30	21.30	
1961-09-20	21.20		1961-09-15	21.10	
1961-09-10	21.00		1961-03-15	19.31	
1960-07-28	20.70		1960-07-25	20.90	
1960-07-20	20.80		1960-07-15	20.60	
1960-07-05	20.40		1960-06-30	20.10	
1960-06-25	19.90		1960-06-20	19.50	
1960-06-15	19.40		1960-06-10	19.60	
1960-06-05	19.00		1960-05-31	18.90	
1960-05-25	19.50		1960-05-20	19.30	



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1960-05-15	19.00		1960-05-10	19.20	
1960-05-05	20.00		1960-04-30	19.70	
1960-04-25	19.20		1960-04-20	19.00	
1960-04-15	19.20		1960-04-10	18.60	
1960-04-05	17.20		1960-03-31	16.40	
1960-03-25	19.10		1960-03-20	19.20	
1960-03-15	20.20		1960-03-10	20.40	
1960-03-05	20.20		1960-02-29	20.00	
1960-02-25	19.80		1960-02-20	19.50	
1960-02-15	19.00		1960-02-10	18.50	
1960-02-05	20.10		1960-01-31	20.30	
1960-01-25	19.90		1960-01-20	19.50	
1960-01-15	19.10		1960-01-10	19.40	
1960-01-05	19.10		1959-12-31	19.60	
1959-12-25	19.90		1959-12-20	19.50	
1959-12-15	19.10		1959-12-10	19.90	
1959-12-05	20.40		1959-11-30	20.60	
1959-11-25	20.50		1959-11-20	20.50	
1959-11-15	20.50		1959-11-10	20.70	
1959-11-05	20.70				
1959-10-19	21.00				
Note: The site was flowing recently.					
1959-10-15	20.90		1959-10-10	20.80	
1959-10-05	21.30		1959-09-30	21.70	
1959-09-25	21.80		1959-09-20	21.80	
1959-09-15	21.60		1959-09-10	21.60	
1959-09-05	21.50		1959-08-31	21.40	
1959-08-25	21.60		1959-08-20	21.70	
1959-08-15	21.60		1959-08-10	21.60	
1959-08-05	21.40		1959-08-03	22.21	
1959-07-31	21.30		1959-07-25	21.60	
1959-07-20	21.60		1959-07-15	21.70	
1959-07-10	21.50				
1959-06-30	21.40				
Note: The site was flowing recently.					
1959-06-25	21.20		1959-06-15	20.90	
1959-06-10	20.90		1959-06-05	20.70	
1959-05-31	20.70		1959-05-25	20.60	
1959-05-20	20.40		1959-05-15	20.20	
1959-05-10	20.00		1959-05-05	19.60	
1959-04-30	19.30		1959-04-25	19.60	
1959-04-20	19.10		1959-04-15	18.60	
1959-04-10	18.00		1959-04-05	18.40	
1959-03-31	18.90		1959-03-25	19.00	
1959-03-20	18.80		1959-03-15	18.90	
1959-03-10	19.00		1959-03-05	19.10	
1959-02-28	19.40		1959-02-25	20.10	
1959-02-20	19.70		1959-02-15	18.90	
1959-02-10	19.40		1959-02-05	19.60	
1959-01-31	19.60		1959-01-25	19.50	
1959-01-20	21.20		1959-01-15	21.20	
1959-01-10	21.30		1959-01-05	21.30	
1958-12-31	21.30		1958-12-25	21.20	
1958-12-10	21.10		1958-12-05	21.00	
1958-11-30	21.20		1958-11-25	21.10	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1958-11-20	21.20		1958-11-15	21.30	
1958-11-05	21.40		1958-10-31	21.30	

**A9  
SE  
1/2 - 1 Mile  
Higher**

**FED USGS      USGS2253980**

Agency cd:	USGS	Site no:	430654079021701
Site name:	NI 282		
Latitude:	430654		
Longitude:	0790217	Dec lat:	43.11505551
Dec lon:	-79.03782198	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	063
Country:	US	Land net:	Not Reported
Location map:	NIAGARA FALLS I-04-3	Map scale:	25000
Altitude:	595		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Niagara. New York. Area = 774 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Test hole, not completed as a well		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	NY86-16400		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**10  
SW  
1/2 - 1 Mile  
Higher**

**FED USGS      USGS2253787**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	430700079031701
Site name:	NI 298		
Latitude:	430700		
Longitude:	0790317	Dec lat:	43.11672209
Dec lon:	-79.0544892	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	063
Country:	US	Land net:	Not Reported
Location map:	NIAGARA FALLS I-04-3	Map scale:	25000
Altitude:	588		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Niagara. New York. Area = 774 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Test hole, not completed as a well		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	NY86-16400		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**B11**  
**SSW**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS2253978**

Agency cd:	USGS	Site no:	430648079025701
Site name:	NI 277		
Latitude:	430648		
Longitude:	0790257	Dec lat:	43.1133888
Dec lon:	-79.04893342	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	063
Country:	US	Land net:	Not Reported
Location map:	NIAGARA FALLS I-04-3	Map scale:	25000
Altitude:	603		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Niagara. New York. Area = 774 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	N		
Type of ground water site:	Test hole, not completed as a well		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	NY86-16400		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**12**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS2253828**

Agency cd:	USGS	Site no:	430749079022001
Site name:	NI 390		
Latitude:	430749		
Longitude:	0790220	Dec lat:	43.13033319
Dec lon:	-79.03865556	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	063
Country:	US	Land net:	Not Reported
Location map:	LEWISTON I-04-2	Map scale:	25000
Altitude:	596		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Test hole, not completed as a well		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	NY86-16400		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Database EDR ID Number

**13**  
**SSE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS USGS2253976**

Agency cd:	USGS	Site no:	430647079022001
Site name:	NI 275		
Latitude:	430647		
Longitude:	0790220	Dec lat:	43.11311107
Dec lon:	-79.03865531	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	063
Country:	US	Land net:	Not Reported
Location map:	NIAGARA FALLS I-04-3	Map scale:	25000
Altitude:	590		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Niagara. New York. Area = 774 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Test hole, not completed as a well		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	NY86-16400		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**14**  
**SW**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS USGS2253979**

Agency cd:	USGS	Site no:	430653079031201
Site name:	NI 280		
Latitude:	430653		
Longitude:	0790312	Dec lat:	43.11477766
Dec lon:	-79.05310024	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	063
Country:	US	Land net:	Not Reported
Location map:	NIAGARA FALLS I-04-3	Map scale:	25000

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	588.10		
Altitude method:	Level or other surveying method		
Altitude accuracy:	0.1		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Niagara. New York. Area = 774 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19850409
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	60	Hole depth:	60
Source of depth data:	reporting agency (generally USGS)		
Project number:	NY86-16400		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1985-04-09	Ground water data end date:	1985-04-09
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
-----		
1985-04-09	31.5	

**15  
West  
1/2 - 1 Mile  
Higher**

**FED USGS USGS2253793**

Agency cd:	USGS	Site no:	430712079032701
Site name:	NI 319		
Latitude:	430712		
Longitude:	0790327	Dec lat:	43.12005539
Dec lon:	-79.05726712	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	063
Country:	US	Land net:	Not Reported
Location map:	BULL GW-53	Map scale:	92157
Altitude:	610.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	5.0		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Niagara. New York. Area = 774 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19610101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	LOCKPORT DOLOMITE		
Well depth:	110	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	BULLGW-53		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: 0  
 Water quality data end date: 1961-10-17  
 Ground water data begin date: 1961-10-17  
 Ground water data count: 1

Water quality data begin date: 1961-10-17  
 Water quality data count: 1  
 Ground water data end date: 1961-10-17

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1961-10-17	50.4	

**B16**  
**SSW**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS USGS2253975**

Agency cd:	USGS	Site no:	430645079025701
Site name:	NI 269		
Latitude:	430645		
Longitude:	0790257	Dec lat:	43.11255547
Dec lon:	-79.04893341	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	063
Country:	US	Land net:	Not Reported
Location map:	NIAGARA FALLS I-04-3	Map scale:	25000
Altitude:	582		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Niagara. New York. Area = 774 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Test hole, not completed as a well		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	NY86-16400		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**17**  
**East**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS USGS2253792**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	430712079014101
Site name:	NI 318		
Latitude:	430712		
Longitude:	0790141	Dec lat:	43.12005553
Dec lon:	-79.02782174	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	063
Country:	US	Land net:	Not Reported
Location map:	NIAGARA FALLS I-04-3	Map scale:	Not Reported
Altitude:	Not Reported		
Altitude method:	Not Reported		
Altitude accuracy:	Not Reported		
Altitude datum:	Not Reported		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	Not Reported		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1982-08-20
Water quality data end date:	1982-08-20	Water quality data count:	2
Ground water data begin date:	0000-00-00	Ground water data end date:	0000-00-00
Ground water data count:	0		

Ground-water levels, Number of Measurements: 0

**18  
SE  
1/2 - 1 Mile  
Higher**

**FED USGS USGS2253977**

Agency cd:	USGS	Site no:	430648079015401
Site name:	NI 276		
Latitude:	430648		
Longitude:	0790154	Dec lat:	43.11338889
Dec lon:	-79.03143286	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	063
Country:	US	Land net:	Not Reported
Location map:	NIAGARA FALLS I-04-3	Map scale:	25000
Altitude:	600		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Niagara. New York. Area = 774 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Local standard time flag:	N		
Type of ground water site:	Test hole, not completed as a well		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	NY86-16400		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

**C19**  
**ENE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS2253818**

Agency cd:	USGS	Site no:	430739079014101
Site name:	NI 372		
Latitude:	430739	Dec lat:	43.12755548
Longitude:	0790141	Coor meth:	M
Dec lon:	-79.02782184	Latlong datum:	NAD27
Coor accr:	T	District:	36
Dec latlong datum:	NAD83	County:	063
State:	36	Land net:	Not Reported
Country:	US	Map scale:	92157
Location map:	BULL GW-53		
Altitude:	620.00		
Altitude method:	Level or other surveying method		
Altitude accuracy:	1.0		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Niagara. New York. Area = 774 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	19500101
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	LOCKPORT DOLOMITE		
Well depth:	29.0	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	BULLGW-53		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	1960-08-10
Water quality data end date:	1960-08-10	Water quality data count:	1
Ground water data begin date:	1961-06-01	Ground water data end date:	1961-06-01
Ground water data count:	1		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
<hr style="border-top: 1px dashed black;"/>		
1961-06-01	12.8	

Note: Other conditions existed that would affect the measured water level.

**20**  
**NNE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS2253835**

Agency cd:	USGS	Site no:	430803079021401
Site name:	NI 421		
Latitude:	430803		
Longitude:	0790214	Dec lat:	43.13422206
Dec lon:	-79.0369889	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	063
Country:	US	Land net:	Not Reported
Location map:	LEWISTON I-04-2	Map scale:	25000
Altitude:	588		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Test hole, not completed as a well		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	NY86-16400		
Real time data flag:	Not Reported		
Daily flow data end date:	Not Reported	Daily flow data begin date:	Not Reported
Peak flow data begin date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data count:	Not Reported	Peak flow data end date:	Not Reported
Water quality data end date:	Not Reported	Water quality data begin date:	Not Reported
Ground water data begin date:	Not Reported	Water quality data count:	Not Reported
Ground water data count:	Not Reported	Ground water data end date:	Not Reported

Ground-water levels, Number of Measurements: 0

**C21**  
**ENE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS2253823**

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	430741079014001
Site name:	NI 378		
Latitude:	430741		
Longitude:	0790140	Dec lat:	43.12811104
Dec lon:	-79.02754407	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	063
Country:	US	Land net:	Not Reported
Location map:	BULL GW-53	Map scale:	92157
Altitude:	621.00		
Altitude method:	Level or other surveying method		
Altitude accuracy:	1.0		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Niagara. New York. Area = 774 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	LOCKPORT DOLOMITE		
Well depth:	29.0	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	BULLGW-53		
Real time data flag:	0		
Daily flow data end date:	0000-00-00	Daily flow data begin date:	0000-00-00
Peak flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data count:	0	Peak flow data end date:	0000-00-00
Water quality data end date:	1960-08-10	Water quality data begin date:	1960-08-10
Ground water data begin date:	1961-06-01	Water quality data count:	1
Ground water data count:	1	Ground water data end date:	1961-06-01

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to	
Date	Surface	Sealevel	

-----  
1961-06-01    12.3

Note: Other conditions existed that would affect the measured water level.

**22**  
**South**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS2253971**

Agency cd:	USGS	Site no:	430629079024001
Site name:	NI 253		
Latitude:	430629		
Longitude:	0790240	Dec lat:	43.10811108
Dec lon:	-79.04421097	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	063
Country:	US	Land net:	Not Reported
Location map:	NIAGARA FALLS I-04-3	Map scale:	25000

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	598		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Niagara. New York. Area = 774 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	N		
Type of ground water site:	Test hole, not completed as a well		
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	Not Reported	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	NY86-16400		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

## RADON

### AREA RADON INFORMATION

State Database: NY Radon

#### Radon Test Results

Zip	Num Sites	< 4 Pci/L	>= 4 Pci/L	>= 20 Pci/L	Avg > 4 Pci/L	Max Pci/L
14305	77	72 (93.5%)	5 (6.5%)	0 (0%)	1.41	9.4

Federal EPA Radon Zone for NIAGARA County: 2

Note: Zone 1 indoor average level > 4 pCi/L.  
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.  
: Zone 3 indoor average level < 2 pCi/L.

Federal Area Radon Information for NIAGARA COUNTY, NY

Number of sites tested: 177

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	0.800 pCi/L	98%	2%	0%
Basement	1.130 pCi/L	95%	5%	0%

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### **USGS 7.5' Digital Elevation Model (DEM)**

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

### **Scanned Digital USGS 7.5' Topographic Map (DRG)**

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## HYDROLOGIC INFORMATION

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

### **State Wetlands Data: Freshwater Wetlands**

Source: Department of Environmental Conservation

Telephone: 518-402-8961

## HYDROGEOLOGIC INFORMATION

### **AQUIFLOW<sup>R</sup> Information System**

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

### **Geologic Age and Rock Stratigraphic Unit**

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### **STATSGO: State Soil Geographic Database**

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

### **SSURGO: Soil Survey Geographic Database**

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## LOCAL / REGIONAL WATER AGENCY RECORDS

### FEDERAL WATER WELLS

#### **PWS:** Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

#### **PWS ENF:** Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

#### **USGS Water Wells:** USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

### STATE RECORDS

#### **New York Public Water Wells**

Source: New York Department of Health

Telephone: 518-458-6731

#### **Oil and Gas Well Database**

Department of Environmental Conservation

Telephone: 518-402-8056

These files contain records, in the database, of wells that have been drilled.

## OTHER STATE DATABASE INFORMATION

### RADON

#### **State Database: NY Radon**

Source: Department of Health

Telephone: 518-402-7556

Radon Test Results

#### **Area Radon Information**

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

#### **EPA Radon Zones**

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

### OTHER

#### **Airport Landing Facilities:** Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

#### **Epicenters:** World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

## PHYSICAL SETTING SOURCE RECORDS SEARCHED

### STREET AND ADDRESS INFORMATION

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# **EDR Site Report™**

**NIAGARA VEST, INC.  
HIGHLAND AVENUE  
NIAGARA FALLS, NY**

**Inquiry Number:**

**August 16, 2007**

## **The Standard in Environmental Risk Information**

440 Wheelers Farms Road  
Milford, Connecticut 06461

### **Nationwide Customer Service**

Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
Internet: [www.edrnet.com](http://www.edrnet.com)

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The EDR-Site Report™ is a comprehensive presentation of government filings on a facility identified in a search of over 4 million government records from more than 600 federal, state and local environmental databases. The report is divided into three sections:

**Section 1: Facility Summary . . . . . Page 3**

Summary of facility filings including a review of the following areas: waste management, waste disposal, multi-media issues, and Superfund liability.

**Section 2: Facility Detail Reports . . . . . Page 4**

All available detailed information from databases where sites are identified.

**Section 3: Databases Searched and Update Information. . . . . Page 6**

Name, source, update dates, contact phone number and description of each of the databases searched for this report.

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

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# SECTION 1: FACILITY SUMMARY

FACILITY  AREA	FACILITY 1 NIAGARA VEST, INC. HIGHLAND AVENUE NIAGARA FALLS, NY EDR ID #S102177967
<b>WASTE MANAGEMENT</b> Facility generates hazardous waste (RCRA)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSD)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
<b>WASTE DISPOSAL</b> Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	NO
Facility has disposed of solid waste on-site (SWF/LF)	NO
<b>MULTIMEDIA</b> Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	YES - p4
<b>POTENTIAL SUPERFUND LIABILITY</b> Facility has a list of potentially responsible parties PRP	NO
<b>TOTAL (YES)</b>	1

## SECTION 2: FACILITY DETAIL REPORTS

### MULTIMEDIA

Facility is listed in a county/local unique database

**DATABASE: State/County (LOCAL)**

NIAGARA VEST, INC.  
HIGHLAND AVENUE  
NIAGARA FALLS, NY  
EDR ID #S102177967

NY Spills:  
Site ID: 309961  
Facility Addr2: Not reported  
Facility ID: 9304545  
Spill Number: 9304545  
Facility Type: ER  
SWIS: 3211  
Region of Spill: 9  
Investigator: SACALAND  
Referred To: NIAGARA CNTY HEALTH DEPT  
Spill Date: 07/06/93  
Reported to Dept: 07/08/93  
CID: Not reported  
Spill Cause: Vandalism  
Water Affected: Not reported  
Spill Source: Commercial/Industrial  
Spill Notifier: Responsible Party  
Cleanup Ceased: 02/22/95  
Cleanup Meets Std: True  
Last Inspection: 08/09/93  
Recommended Penalty: Penalty Not Recommended  
UST Trust: False  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: 02/22/95  
Remediation Phase: 0  
Date Entered In Computer: 07/13/93  
Spill Record Last Update: 03/01/95  
Spiller Name: Not reported  
Spiller Company: NIAGARA VEST, INC.  
Spiller Address: 3625 HIGHLAND AVENUE  
Spiller City,St,Zip: NIAGARA FALLS, NY 14305  
Spiller Company: 001  
Spiller Phone: (716) 278-3003  
Contact Name: Not reported  
Contact Phone: Not reported  
DEC Region: 9  
Program Number: 9304545  
DER Facility ID: 250206  
Site ID: 309961  
Operable Unit ID: 982888  
Operable Unit: 01  
Material ID: 398042  
Material Code: 0066A  
Material Name: UNKNOWN PETROLEUM  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 50.00  
Units: Gallons  
Recovered: 50.00  
Resource Affected: Sewer  
Oxygenate: False  
Site ID: 309961  
Operable Unit ID: 982888  
Operable Unit: 01  
Material ID: 398043  
Material Code: 1045A  
Material Name: GEAR OIL  
Case No.: Not reported  
Material FA: Petroleum  
Quantity: 0.00  
Units: Not reported  
Recovered: 0.00  
Resource Affected: Sewer  
Oxygenate: False  
DEC Memo: Start DECRemark - 9304545 Prior to Sept, 2004 data translation this spill Lead  
DEC Field was "SAC-NCHD" 07/08/93: R.P. IN PROCESS OF HIRING A CONTRACTOR TO  
CLEAN UP. PLACED SPEEDY-DRI AROUND CATCH BASIN AND ON GROUND UP TO DOOR. PAUL  
DICKY WILL FOLLOW-UP. 01/14/94: 1/7/94 NCHD MEETING,NCHD TO SEND DISPOSAL  
RECEIPTS AND REPORT. 07/21/94: 7/20/94 NCHD MEETING,NCHD TO SEND DISPOSAL

## SECTION 2: FACILITY DETAIL REPORTS

...Continued...

RECEIPTS AND REPORT. 01/20/95: 1/19/95 NCHD MEETING,PAUL DICKY TO SEND  
DISPOSAL RECEIPTS AND REPORT. 02/22/95: RECEIVED NCHD INSPECTION REPORT AND  
DISPOSAL RECEIPTS FROM P.DICKY. END DECRemark - 9304545  
Remarks: Start CallerRemark - 9304545 VALVES FROM TANK RIPPED OFF IN ABANDONED BUILDING  
END CallerRemark - 9304545

### NY Hist Spills:

Region of Spill: 9  
Spill Number: 9304545  
Investigator: SAC-NCHD  
Caller Name: Not reported  
Caller Agency: Not reported  
Caller Phone: Not reported  
Notifier Name: Not reported  
Notifier Agency: Not reported  
Notifier Phone: Not reported  
Spill Date/Time: 07/06/1993 11:00  
Reported to Dept Date/Time: 07/08/93 13:00  
SWIS: 29  
Spiller Name: NIAGARA VEST, INC.  
Spiller Contact: Not reported  
Spiller Phone: (716) 278-3003  
Spiller Address: 3625 HIGHLAND AVENUE  
Spiller City,St,Zip: NIAGARA FALLS, NY 14305  
Spill Cause: Vandalism  
Reported to Dept: In Sewer  
Water Affected: Not reported  
Spill Source: 01  
Spill Notifier: Responsible Party  
PBS Number: Not reported  
Cleanup Ceased: 02/22/95  
Cleanup Meets Std: True  
Last Inspection: 08/09/93  
Recommended Penalty: Penalty Not Recommended  
Spiller Cleanup Dt: / /  
Enforcement Date: / /  
Invstgn Complete: / /  
UST Involvement: False  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response. Willing  
Responsible Party. Corrective action taken.  
Spill Closed Dt: 02/22/95  
Corrective Action Plan Submitted: / /  
Date Region Sent Summary to Central Office: / /  
Date Spill Entered In Computer Data File: 07/13/93  
Date Spill Entered In Computer Data File: Not reported  
Update Date: 03/01/95  
Is Updated: False  
DEC Remarks: 07/08/93: R.P. IN PROCESS OF HIRING A CONTRACTOR TO CLEAN UP. PLACED SPEEDY-DRI  
AROUND CATCH BASIN AND ON GROUND UP TO DOOR. PAUL DICKY WILL FOLLOW-UP.  
01/14/94: 1/7/94 NCHD MEETING,NCHD TO SEND DISPOSAL RECEIPTS AND REPORT.  
07/21/94: 7/20/94 NCHD MEETING,NCHD TO SEND DISPOSAL RECEIPTS AND REPORT.  
01/20/95: 1/19/95 NCHD MEETING,PAUL DICKY TO SEND DISPOSAL RECEIPTS AND REPORT.  
02/22/95: RECEIVED NCHD INSPECTION REPORT AND DISPOSAL RECEIPTS FROM P.DICKY.  
Remark: VALVES FROM TANK RIPPED OFF IN ABANDONED BUILDING

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

**Elapsed ASTM days:** Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

### WASTE MANAGEMENT

#### RCRA: Resource Conservation and Recovery Act Information

Source: EPA

Telephone: 800-424-9346

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/13/2006

Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/16/2007

Date of Next Scheduled Update: 09/17/2007

#### BRS: Biennial Reporting System

Source: EPA/NTIS

Telephone: 800-424-9346

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2005

Database Release Frequency: Biennially

Date of Last EDR Contact: 06/12/2007

Date of Next Scheduled Update: 09/10/2007

#### RAATS: RCRA Administrative Action Tracking System

Source: EPA

Telephone: 202-564-4104

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 06/04/2007

Date of Next Scheduled Update: 09/03/2007

#### CORRACTS: Corrective Action Report

Source: EPA

Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/14/2007

Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/04/2007

Date of Next Scheduled Update: 09/03/2007

#### PADS: PCB Activity Database System

Source: EPA

Telephone: 202-566-0500

PCB Activity Database. PADS identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 10/17/2006

Database Release Frequency: Annually

Date of Last EDR Contact: 08/09/2007

Date of Next Scheduled Update: 11/05/2007

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

### **MLTS: Material Licensing Tracking System**

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/05/2007

Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/02/2007

Date of Next Scheduled Update: 10/01/2007

### **NY AST: Petroleum Bulk Storage**

Source: Department of Environmental Conservation

Telephone: 518-402-9549

Registered Aboveground Storage Tanks.

Date of Government Version: 04/02/2007

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 07/25/2007

Date of Next Scheduled Update: 10/22/2007

### **NY UST: Petroleum Bulk Storage (PBS) Database**

Source: Department of Environmental Conservation

Telephone: 518-402-9549

Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 04/02/2007

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 07/25/2007

Date of Next Scheduled Update: 10/22/2007

### **ERNS: Emergency Response Notification System**

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2006

Database Release Frequency: Annually

Date of Last EDR Contact: 07/23/2007

Date of Next Scheduled Update: 10/22/2007

### **HMIRS: Hazardous Materials Information Reporting System**

Source: U.S. Department of Transportation

Telephone: 202-366-4555

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/05/2007

Database Release Frequency: Annually

Date of Last EDR Contact: 07/18/2007

Date of Next Scheduled Update: 10/15/2007

## **WASTE DISPOSAL**

### **NPL: National Priority List**

Source: EPA

Telephone: Not reported

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/20/2007

Date Made Active at EDR: 07/05/2007

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 05/03/2007

Elapsed ASTM Days: 63

Date of Last EDR Contact: 07/31/2007

### **Proposed NPL: Proposed National Priority List Sites**

Source: EPA

Telephone: Not reported

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/20/2007

Date Made Active at EDR: 07/05/2007

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 05/03/2007

Elapsed ASTM Days: 63

Date of Last EDR Contact: 08/03/2007

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

### **DELISTED NPL: National Priority List Deletions**

Source: EPA

Telephone: Not reported

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/20/2007

Date Made Active at EDR: 06/25/2007

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 05/03/2007

Elapsed ASTM Days: 53

Date of Last EDR Contact: 08/03/2007

### **CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System**

Source: EPA

Telephone: 703-412-9810

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/27/2007

Date Made Active at EDR: 04/27/2007

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/21/2007

Elapsed ASTM Days: 37

Date of Last EDR Contact: 06/20/2007

### **CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned**

Source: EPA

Telephone: 703-412-9810

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 03/21/2007

Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/15/2007

Date of Next Scheduled Update: 09/17/2007

### **ROD: Records Of Decision**

Source: EPA

Telephone: 703-416-0223

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 03/27/2007

Database Release Frequency: Annually

Date of Last EDR Contact: 07/02/2007

Date of Next Scheduled Update: 10/01/2007

### **NPL LIENS: Federal Superfund Liens**

Source: EPA

Telephone: 202-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991

Date Made Active at EDR: 03/30/1994

Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 02/02/1994

Elapsed ASTM Days: 56

Date of Last EDR Contact: 05/21/2007

### **NY SHWS: Inactive Hazardous Waste Disposal Sites in New York State**

Source: Department of Environmental Conservation

Telephone: 518-402-9622

Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 05/01/2007

Database Release Frequency: Annually

Date of Last EDR Contact: 06/13/2007

Date of Next Scheduled Update: 09/10/2007



## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

### NY SWF/LF: Facility Register

Source: Department of Environmental Conservation

Telephone: 518-457-2051

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/01/2007  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/30/2007  
Date of Next Scheduled Update: 10/29/2007

### MULTIMEDIA

#### TRIS: Toxic Chemical Release Inventory System

Source: EPA

Telephone: 202-566-0250

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2005  
Database Release Frequency: Annually

Date of Last EDR Contact: 06/19/2007  
Date of Next Scheduled Update: 09/17/2007

#### SSTS: Section 7 Tracking Systems

Source: EPA

Telephone: 202-564-4203

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2005  
Database Release Frequency: Annually

Date of Last EDR Contact: 07/16/2007  
Date of Next Scheduled Update: 10/15/2007

#### TSCA: Toxic Substances Control Act

Source: EPA

Telephone: 202-260-5521

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002  
Database Release Frequency: N/A

Date of Last EDR Contact: 07/30/2007  
Date of Next Scheduled Update: 10/15/2007

#### FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-566-1667

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/13/2007  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/15/2007  
Date of Next Scheduled Update: 09/17/2007

#### FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA

Telephone: 202-566-1667

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/13/2007  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/15/2007  
Date of Next Scheduled Update: 09/17/2007

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

### **FINDS: Facility Index System/Facility Registry System**

Source: EPA

Telephone: Not reported

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/12/2007

Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/02/2007

Date of Next Scheduled Update: 10/01/2007

### **RMP: Risk Management Plans**

Source: Environmental Protection Agency

Telephone: 202-564-8600

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 06/01/2007

Database Release Frequency: Varies

Date of Last EDR Contact: 05/21/2007

Date of Next Scheduled Update: 08/20/2007

### **STORMWATER: Storm Water General Permits**

Source: Environmental Protection Agency

Telephone: 202-564-0746

A listing of all facilities with Storm Water General Permits.

Date of Government Version: 06/02/2005

Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/03/2007

Date of Next Scheduled Update: 10/01/2007

### **US ENG CONTROLS: Engineering Controls Sites List**

Source: Environmental Protection Agency

Telephone: 703-603-8905

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 04/20/2007

Database Release Frequency: Varies

Date of Last EDR Contact: 07/02/2007

Date of Next Scheduled Update: 10/01/2007

### **US INST CONTROL: Sites with Institutional Controls**

Source: Environmental Protection Agency

Telephone: 703-603-8905

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 04/20/2007

Database Release Frequency: Varies

Date of Last EDR Contact: 07/02/2007

Date of Next Scheduled Update: 10/01/2007

### **INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land**

Source: EPA Region 1

Telephone: 617-918-1313

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 12/01/2006

Database Release Frequency: Varies

Date of Last EDR Contact: 05/21/2007

Date of Next Scheduled Update: 08/20/2007

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

### **RADINFO: Radiation Information Database**

Source: Environmental Protection Agency

Telephone: 202-343-9775

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 05/01/2007

Database Release Frequency: Quarterly

Date of Last EDR Contact: 08/01/2007

Date of Next Scheduled Update: 10/29/2007

### **LUCIS: Land Use Control Information System**

Source: Department of the Navy

Telephone: 843-820-7326

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005

Database Release Frequency: Varies

Date of Last EDR Contact: 06/11/2007

Date of Next Scheduled Update: 09/10/2007

### **CDL: Clandestine Drug Labs**

Source: Drug Enforcement Administration

Telephone: 202-307-1000

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/01/2006

Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/29/2007

Date of Next Scheduled Update: 09/24/2007

### **NY HSWDS: Hazardous Substance Waste Disposal Site Inventory**

Source: Department of Environmental Conservation

Telephone: 518-402-9564

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

Date of Government Version: 01/01/2003

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 05/29/2007

Date of Next Scheduled Update: 08/27/2007

### **NY DEL SHWS: Delisted Registry Sites**

Source: Department of Environmental Conservation

Telephone: 518-402-9622

A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 05/01/2007

Database Release Frequency: Annually

Date of Last EDR Contact: 06/13/2007

Date of Next Scheduled Update: 09/10/2007

### **NY SWRCY: Registered Recycling Facility List**

Source: Department of Environmental Conservation

Telephone: 518-402-8705

A listing of recycling facilities.

Date of Government Version: 05/01/2007

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/30/2007

Date of Next Scheduled Update: 10/29/2007

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

### NY SWTIRE: Registered Waste Tire Storage & Facility List

Source: Department of Environmental Conservation

Telephone: 518-402-8694

A listing of facilities registered to accept waste tires.

Date of Government Version: 08/01/2006

Database Release Frequency: Annually

Date of Last EDR Contact: 08/15/2007

Date of Next Scheduled Update: 11/12/2007

### NY LTANKS: Spills Information Database

Source: Department of Environmental Conservation

Telephone: 518-402-9549

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

Date of Government Version: 04/02/2007

Database Release Frequency: Varies

Date of Last EDR Contact: 07/25/2007

Date of Next Scheduled Update: 10/22/2007

### NY HIST LTANKS: Listing of Leaking Storage Tanks

Source: Department of Environmental Conservation

Telephone: 518-402-9549

A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 07/07/2005

Date of Next Scheduled Update: Not reported

### NY CBS UST: Chemical Bulk Storage Database

Source: NYSDEC

Telephone: 518-402-9549

Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 10/24/2005

Date of Next Scheduled Update: 01/23/2006

### NY MOSF UST: Major Oil Storage Facilities Database

Source: NYSDEC

Telephone: 518-402-9549

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002

Database Release Frequency: Varies

Date of Last EDR Contact: 07/25/2005

Date of Next Scheduled Update: 10/24/2005

### NY HIST UST: Historical Petroleum Bulk Storage Database

Source: Department of Environmental Conservation

Telephone: 518-402-9549

Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 01/01/2002

Database Release Frequency: Varies

Date of Last EDR Contact: 10/23/2006

Date of Next Scheduled Update: 01/22/2007

### NY CBS AST: Chemical Bulk Storage Database

Source: NYSDEC

Telephone: 518-402-9549

Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 07/25/2005

Date of Next Scheduled Update: 10/24/2005

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

### NY HIST AST: Historical Petroleum Bulk Storage Database

Source: Department of Environmental Conservation

Telephone: 518-402-9549

Registered Aboveground Storage Tanks.

Date of Government Version: 01/01/2002

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 10/23/2006

Date of Next Scheduled Update: 01/22/2007

### NY MOSF AST: Major Oil Storage Facilities Database

Source: NYSDEC

Telephone: 518-402-9549

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 07/25/2005

Date of Next Scheduled Update: 10/24/2005

### NY NY MANIFEST: Facility and Manifest Data

Source: Department of Environmental Conservation

Telephone: 518-402-8651

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

Date of Government Version: 10/26/2006

Database Release Frequency: Annually

Date of Last EDR Contact: 06/01/2007

Date of Next Scheduled Update: 08/27/2007

### NY SPILLS: Spills Information Database

Source: Department of Environmental Conservation

Telephone: 518-402-9549

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

Date of Government Version: 04/02/2007

Database Release Frequency: Varies

Date of Last EDR Contact: 07/25/2007

Date of Next Scheduled Update: 10/22/2007

### NY HIST SPILLS: SPILLS Database

Source: Department of Environmental Conservation

Telephone: 518-402-9549

This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 07/07/2005

Date of Next Scheduled Update: Not reported

### NY ENG CONTROLS: Registry of Engineering Controls

Source: Department of Environmental Conservation

Telephone: 518-402-9553

Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 05/01/2007

Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/13/2007

Date of Next Scheduled Update: 09/10/2007

### NY INST CONTROL: Registry of Institutional Controls

Source: Department of Environmental Conservation

Telephone: 518-402-9553

Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 05/01/2007

Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/13/2007

Date of Next Scheduled Update: 09/10/2007

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

### NY VCP: Voluntary Cleanup Agreements

Source: Department of Environmental Conservation  
Telephone: 518-402-9711

New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 05/01/2007  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/13/2007  
Date of Next Scheduled Update: 09/10/2007

### NY DRYCLEANERS: Registered Drycleaners

Source: Department of Environmental Conservation  
Telephone: 518-402-8403

A listing of all registered drycleaning facilities.

Date of Government Version: 06/15/2004  
Database Release Frequency: Varies

Date of Last EDR Contact: 05/21/2004  
Date of Next Scheduled Update: Not reported

### NY BROWNFIELDS: Brownfields Site List

Source: Department of Environmental Conservation  
Telephone: 518-402-9764

A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 05/01/2007  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/13/2007  
Date of Next Scheduled Update: 09/10/2007

### NY SPDES: State Pollutant Discharge Elimination System

Source: Department of Environmental Conservation  
Telephone: 518-402-8233

New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 05/09/2007  
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 08/06/2007  
Date of Next Scheduled Update: 11/05/2007

### NY AIRS: Air Emissions Data

Source: Department of Environmental Conservation  
Telephone: 518-402-8452

Point source emissions inventory data.

Date of Government Version: 12/31/2002  
Database Release Frequency: Annually

Date of Last EDR Contact: 05/21/2007  
Date of Next Scheduled Update: 08/20/2007

### NY CBS: Chemical Bulk Storage Site Listing

Source: Department of Environmental Conservation  
Telephone: 518-402-9549

These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 04/02/2007  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/25/2007  
Date of Next Scheduled Update: 10/22/2007

### NY RES DECL: Restrictive Declarations Listing

Source: NYC Department of City Planning  
Telephone: 212-720-3401

A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 12/31/1992  
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 07/17/2007  
Date of Next Scheduled Update: 10/15/2007

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

### NY MOSF: Major Oil Storage Facility Site Listing

Source: Department of Environmental Conservation

Telephone: 518-402-9549

These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 04/02/2007

Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/25/2007

Date of Next Scheduled Update: 10/22/2007

### NY E DESIGNATION: E DESIGNATION SITE LISTING

Source: New York City Department of City Planning

Telephone: 718-595-6658

The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements).

The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 02/28/2007

Database Release Frequency: Varies

Date of Last EDR Contact: 07/18/2007

Date of Next Scheduled Update: 10/15/2007

### NY DAY CARE: Day Care Providers

Source: Department of Health

Telephone: 212-676-2444

Date of Government Version: Not reported

Database Release Frequency: N/A

Date of Last EDR Contact: Not reported

Date of Next Scheduled Update: Not reported

### POTENTIAL SUPERFUND LIABILITY

#### PRP: Potentially Responsible Parties

Source: EPA

Telephone: 202-564-6064

A listing of verified Potentially Responsible Parties

Date of Government Version: 03/07/2007

Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/02/2007

Date of Next Scheduled Update: 10/01/2007



# **EDR Site Report™**

**CARBORUNDUM COMPANY, GLOBAL  
HYDE PARK BOULEVARD, RHODE ISLAND AVENUE  
NIAGARA, NY 14305**

**Inquiry Number:**

**August 16, 2007**

## **The Standard in Environmental Risk Information**

440 Wheelers Farms Road  
Milford, Connecticut 06461

### **Nationwide Customer Service**

Telephone: 1-800-352-0050  
Fax: 1-800-231-6802  
Internet: [www.edrnet.com](http://www.edrnet.com)



# TABLE OF CONTENTS

The EDR-Site Report™ is a comprehensive presentation of government filings on a facility identified in a search of over 4 million government records from more than 600 federal, state and local environmental databases. The report is divided into three sections:

**Section 1: Facility Summary . . . . . Page 3**

Summary of facility filings including a review of the following areas: waste management, waste disposal, multi-media issues, and Superfund liability.

**Section 2: Facility Detail Reports . . . . . Page 4**

All available detailed information from databases where sites are identified.

**Section 3: Databases Searched and Update Information. . . . . Page 7**

Name, source, update dates, contact phone number and description of each of the databases searched for this report.

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

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# SECTION 1: FACILITY SUMMARY

FACILITY  AREA	FACILITY 1 CARBORUNDUM COMPANY, GLOBAR HYDE PARK BOULEVARD, RHODE ISLAND AVENUE NIAGARA, NY 14305 EDR ID #S106780948
<b>WASTE MANAGEMENT</b> Facility generates hazardous waste (RCRA)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSD)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
<b>WASTE DISPOSAL</b> Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	YES - p4
Facility has disposed of solid waste on-site (SWF/LF)	NO
<b>MULTIMEDIA</b> Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	YES - p6
<b>POTENTIAL SUPERFUND LIABILITY</b> Facility has a list of potentially responsible parties PRP	NO
<b>TOTAL (YES)</b>	2

## SECTION 2: FACILITY DETAIL REPORTS

### WASTE DISPOSAL

Facility is listed as a state hazardous waste site

#### DATABASE: State Hazardous Waste Sites (SHWS)

CARBORUNDUM COMPANY, GLOBAL  
HYDE PARK BOULEVARD, RHODE ISLAND AVENUE  
NIAGARA, NY 14305  
EDR ID #S106780948

#### SHWS:

Program: HW  
Site Code: 58467  
Classification: SIGNIFICANT THREAT TO THE PUBLIC HEALTH OR ENVIRONMENT - ACTION REQUIRED.  
Region: 9  
Acres: Not reported  
HW Code: 932036  
Record Add: 1999-11-18 12:00:00  
Record Upd: 2005-05-25 13:58:00  
Updated By: DMMOULOG  
Site Description:

The vacant north east section of the site was formerly used for incineration of wood and paper prior to 1962. Presently it is used as a staging area prior to shipment off-site for recycling, reuse, treatment or disposal. Sampling data indicates the contravention of groundwater standards for volatile organic compounds in the overburden and bedrock groundwater zones. Contamination apparently occurred as a result of spills and leaks associated with plant operation. A potential significant threat was been determined to exist due to the documented disposal of hazardous waste resulting in the contravention of groundwater standards on site, migration of contaminated groundwater from the site, and the proximity of residential properties adjacent to the facility. The Carborundum Company entered into a Remedial Investigation / Feasibility Study (RI/FS) Consent Order. The RI Report was submitted in February 1997 and has been accepted. A Phase II RI was performed in November 1997 to collect additional data. The Carborundum Global Company conducted an IRM to remove contaminated soil from the site. The IRM was completed in August 1999. The Feasibility Study was approved in February 2000. A Record of Decision was issued in October 2000, and an O and M Consent Order was signed in January 2001. Investigation of the area east of the site was completed in August 2001. Investigation results indicated the presence of site related contaminants off-site. The BP Amoco Corporation (successor to Carborundum Global) agreed to remove remaining soil contamination as an extension of the previous approved IRM. This additional remedial work was completed in December 2002. A No Further Action Record of Decision for the off-site area was issued in August 2004. BP Amoco Corporation is performing semi-annual groundwater sampling and submits annual reports to assess effectiveness of the Monitored Natural Attenuation process described in the 2000 ROD.

Environmental Problems: Documented disposal of hazardous waste (spent solvents) had caused significant soil contamination, shallow overburden groundwater contamination, bedrock groundwater contamination and off-site migration of contaminated groundwater. Environmental impacts, however have been mitigated by the removal of contaminated soil and natural attenuation of impacted groundwater. Long-term monitoring of groundwater is ongoing.

Health Problems Assesment: The site is enclosed within fencing and the wall of the plant building and access is restricted to employees or authorized personnel. Furthermore, contaminated soils at the surface and depth have been removed, thereby eliminating exposures to contaminated on-site soils. Exposures via drinking water are not expected because all area residences are served by public water and institutional controls prohibit the installation of private wells in the area. In addition, it is expected that contaminant levels in groundwater will decline since the source area has been removed.

Dump: FALSE  
Structure: FALSE  
Lagoon: FALSE  
Landfill: FALSE  
Pond: FALSE  
Disp Start: unknown  
Disp Term: unknown  
Lat/Long: 43:07:09:0 / 79:01:59:0  
Dell: FALSE  
Record Add: 11/18/1999  
Record Upd: 11/18/1999  
Updated By: INITIAL  
Own Op: 03  
Sub Type: NNN  
Owner Name: Not reported  
Owner Company: CARBORUNDUM CORPORATION, GLOBAL  
Owner Address: Not reported  
Owner Addr2: Not reported  
Owner City,St,Zip: ZZ  
Owner Country: United States of America

## SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Own Op: 04  
Sub Type: NNN  
Owner Name: Not reported  
Owner Company: Carborundum Corporation  
Owner Address: 6600 Walmore Road  
Owner Addr2: Not reported  
Owner City,St,Zip: Niagara Falls, NY 14304  
Owner Country: United States of America  
Own Op: 01  
Sub Type: E  
Owner Name: Not reported  
Owner Company: CARBORUNDUM CORPORATION, GLOBAL  
Owner Address: HYDE PARK BLVD.  
Owner Addr2: Not reported  
Owner City,St,Zip: NIAGARA FALLS, NY 14302  
Owner Country: United States of America  
Own Op: 04  
Sub Type: E  
Owner Name: Not reported  
Owner Company: CARBORUNDUM CORPORATION, GLOBAL  
Owner Address: THE CARBORUNDUM CENTER  
Owner Addr2: Not reported  
Owner City,St,Zip: NIAGARA FALLS, NY  
Owner Country: United States of America  
Own Op: 01  
Sub Type: NNN  
Owner Name: Not reported  
Owner Company: Ceswid, Incorporated  
Owner Address: Hyde Park Boulevard  
Owner Addr2: Not reported  
Owner City,St,Zip: Niagara Falls, NY 14305  
Owner Country: United States of America  
HW Code: 932036  
Waste Type: SPENT HALOGENATED SOLVENTS (F001)  
Waste Quantity: UNKNOWN  
Waste Code: Not reported  
HW Code: 932036  
Waste Type: SPENT NON-HALOGENATED SOLVENTS (F004 & F005)  
Waste Quantity: UNKNOWN  
Waste Code: Not reported  
Crossref ID: NYD000513366  
Cross Ref Type Code: 05  
Cross Ref Type: EPA Site ID  
Record Added Date: 11/18/99  
Record Updated: 05/10/01  
Updated By: REGTRANS

## SECTION 2: FACILITY DETAIL REPORTS

...Continued...

### MULTIMEDIA

Facility is listed in a county/local unique database

**DATABASE: State/County (LOCAL)**

CARBORUNDUM COMPANY, GLOBAL  
HYDE PARK BOULEVARD, RHODE ISLAND AVENUE  
NIAGARA, NY 14305  
EDR ID #S106780948

#### INST CONTROL:

Site Code: 58467  
Control Name: Zoning Restriction  
HW Code: 932036  
Control Code: 06  
Control Type: INST  
Dt record added: 06/25/04  
Dt rec updated: 06/25/04  
Updated By: wxpeters  
Env Problem: Documented disposal of hazardous waste (spent solvents) had caused significant soil contamination, shallow overburden groundwater contamination, bedrock groundwater contamination and off-site migration of contaminated groundwater. Environmental impacts, however have been mitigated by the removal of contaminated soil and natural attenuation of impacted groundwater. Long-term monitoring of groundwater is ongoing.

Health Problem: The site is enclosed within fencing and the wall of the plant building and access is restricted to employees or authorized personnel. Furthermore, contaminated soils at the surface and depth have been removed, thereby eliminating exposures to contaminated on-site soils. Exposures via drinking water are not expected because all area residences are served by public water and institutional controls prohibit the installation of private wells in the area. In addition, it is expected that contaminant levels in groundwater will decline since the source area has been removed.

Site Description: The vacant north east section of the site was formerly used for incineration of wood and paper prior to 1962. Presently it is used as a staging area prior to shipment off-site for recycling, reuse, treatment or disposal. Sampling data indicates the contravention of groundwater standards for volatile organic compounds in the overburden and bedrock groundwater zones. Contamination apparently occurred as a result of spills and leaks associated with plant operation. A potential significant threat was been determined to exist due to the documented disposal of hazardous waste resulting in the contravention of groundwater standards on site, migration of contaminated groundwater from the site, and the proximity of residential properties adjacent to the facility. The Carborundum Company entered into a Remedial Investigation / Feasibility Study (RI/FS) Consent Order. The RI Report was submitted in February 1997 and has been accepted. A Phase II RI was performed in November 1997 to collect additional data. The Carborundum Global Company conducted an IRM to remove contaminated soil from the site. The IRM was completed in August 1999. The Feasibility Study was approved in February 2000. A Record of Decision was issued in October 2000, and an O and M Consent Order was signed in January 2001. Investigation of the area east of the site was completed in August 2001. Investigation results indicated the presence of site related contaminants off-site. The BP Amoco Corporation (successor to Carborundum Global) agreed to remove remaining soil contamination as an extension of the previous approved IRM. This additional remedial work was completed in December 2002. A No Further Action Record of Decision for the off-site area was issued in August 2004. BP Amoco Corporation is performing semi-annual groundwater sampling and submits annual reports to assess effectiveness of the Monitored Natural Attenuation process described in the 2000 ROD.

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

**Elapsed ASTM days:** Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

### WASTE MANAGEMENT

#### RCRA: Resource Conservation and Recovery Act Information

Source: EPA

Telephone: 800-424-9346

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/13/2006  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/16/2007  
Date of Next Scheduled Update: 09/17/2007

#### BRS: Biennial Reporting System

Source: EPA/NTIS

Telephone: 800-424-9346

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2005  
Database Release Frequency: Biennially

Date of Last EDR Contact: 06/12/2007  
Date of Next Scheduled Update: 09/10/2007

#### RAATS: RCRA Administrative Action Tracking System

Source: EPA

Telephone: 202-564-4104

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995  
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 06/04/2007  
Date of Next Scheduled Update: 09/03/2007

#### CORRACTS: Corrective Action Report

Source: EPA

Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/14/2007  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/04/2007  
Date of Next Scheduled Update: 09/03/2007

#### PADS: PCB Activity Database System

Source: EPA

Telephone: 202-566-0500

PCB Activity Database. PADS identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 10/17/2006  
Database Release Frequency: Annually

Date of Last EDR Contact: 08/09/2007  
Date of Next Scheduled Update: 11/05/2007

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

### **MLTS: Material Licensing Tracking System**

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/05/2007

Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/02/2007

Date of Next Scheduled Update: 10/01/2007

### **NY AST: Petroleum Bulk Storage**

Source: Department of Environmental Conservation

Telephone: 518-402-9549

Registered Aboveground Storage Tanks.

Date of Government Version: 04/02/2007

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 07/25/2007

Date of Next Scheduled Update: 10/22/2007

### **NY UST: Petroleum Bulk Storage (PBS) Database**

Source: Department of Environmental Conservation

Telephone: 518-402-9549

Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 04/02/2007

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 07/25/2007

Date of Next Scheduled Update: 10/22/2007

### **ERNS: Emergency Response Notification System**

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2006

Database Release Frequency: Annually

Date of Last EDR Contact: 07/23/2007

Date of Next Scheduled Update: 10/22/2007

### **HMIRS: Hazardous Materials Information Reporting System**

Source: U.S. Department of Transportation

Telephone: 202-366-4555

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/05/2007

Database Release Frequency: Annually

Date of Last EDR Contact: 07/18/2007

Date of Next Scheduled Update: 10/15/2007

## **WASTE DISPOSAL**

### **NPL: National Priority List**

Source: EPA

Telephone: Not reported

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/20/2007

Date Made Active at EDR: 07/05/2007

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 05/03/2007

Elapsed ASTM Days: 63

Date of Last EDR Contact: 07/31/2007

### **Proposed NPL: Proposed National Priority List Sites**

Source: EPA

Telephone: Not reported

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/20/2007

Date Made Active at EDR: 07/05/2007

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 05/03/2007

Elapsed ASTM Days: 63

Date of Last EDR Contact: 08/03/2007

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

### **DELISTED NPL: National Priority List Deletions**

Source: EPA

Telephone: Not reported

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/20/2007

Date Made Active at EDR: 06/25/2007

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 05/03/2007

Elapsed ASTM Days: 53

Date of Last EDR Contact: 08/03/2007

### **CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System**

Source: EPA

Telephone: 703-412-9810

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/27/2007

Date Made Active at EDR: 04/27/2007

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/21/2007

Elapsed ASTM Days: 37

Date of Last EDR Contact: 06/20/2007

### **CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned**

Source: EPA

Telephone: 703-412-9810

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 03/21/2007

Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/15/2007

Date of Next Scheduled Update: 09/17/2007

### **ROD: Records Of Decision**

Source: EPA

Telephone: 703-416-0223

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 03/27/2007

Database Release Frequency: Annually

Date of Last EDR Contact: 07/02/2007

Date of Next Scheduled Update: 10/01/2007

### **NPL LIENS: Federal Superfund Liens**

Source: EPA

Telephone: 202-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991

Date Made Active at EDR: 03/30/1994

Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 02/02/1994

Elapsed ASTM Days: 56

Date of Last EDR Contact: 05/21/2007

### **NY SHWS: Inactive Hazardous Waste Disposal Sites in New York State**

Source: Department of Environmental Conservation

Telephone: 518-402-9622

Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 05/01/2007

Database Release Frequency: Annually

Date of Last EDR Contact: 06/13/2007

Date of Next Scheduled Update: 09/10/2007



## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

### NY SWF/LF: Facility Register

Source: Department of Environmental Conservation  
Telephone: 518-457-2051

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/01/2007  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/30/2007  
Date of Next Scheduled Update: 10/29/2007

### MULTIMEDIA

#### TRIS: Toxic Chemical Release Inventory System

Source: EPA

Telephone: 202-566-0250

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2005  
Database Release Frequency: Annually

Date of Last EDR Contact: 06/19/2007  
Date of Next Scheduled Update: 09/17/2007

#### SSTS: Section 7 Tracking Systems

Source: EPA

Telephone: 202-564-4203

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2005  
Database Release Frequency: Annually

Date of Last EDR Contact: 07/16/2007  
Date of Next Scheduled Update: 10/15/2007

#### TSCA: Toxic Substances Control Act

Source: EPA

Telephone: 202-260-5521

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002  
Database Release Frequency: N/A

Date of Last EDR Contact: 07/30/2007  
Date of Next Scheduled Update: 10/15/2007

#### FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA/Office of Prevention, Pesticides and Toxic Substances

Telephone: 202-566-1667

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/13/2007  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/15/2007  
Date of Next Scheduled Update: 09/17/2007

#### FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA

Telephone: 202-566-1667

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/13/2007  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/15/2007  
Date of Next Scheduled Update: 09/17/2007

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

### **FINDS: Facility Index System/Facility Registry System**

Source: EPA

Telephone: Not reported

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/12/2007

Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/02/2007

Date of Next Scheduled Update: 10/01/2007

### **RMP: Risk Management Plans**

Source: Environmental Protection Agency

Telephone: 202-564-8600

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 06/01/2007

Database Release Frequency: Varies

Date of Last EDR Contact: 05/21/2007

Date of Next Scheduled Update: 08/20/2007

### **STORMWATER: Storm Water General Permits**

Source: Environmental Protection Agency

Telephone: 202-564-0746

A listing of all facilities with Storm Water General Permits.

Date of Government Version: 06/02/2005

Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/03/2007

Date of Next Scheduled Update: 10/01/2007

### **US ENG CONTROLS: Engineering Controls Sites List**

Source: Environmental Protection Agency

Telephone: 703-603-8905

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 04/20/2007

Database Release Frequency: Varies

Date of Last EDR Contact: 07/02/2007

Date of Next Scheduled Update: 10/01/2007

### **US INST CONTROL: Sites with Institutional Controls**

Source: Environmental Protection Agency

Telephone: 703-603-8905

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 04/20/2007

Database Release Frequency: Varies

Date of Last EDR Contact: 07/02/2007

Date of Next Scheduled Update: 10/01/2007

### **INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land**

Source: EPA Region 1

Telephone: 617-918-1313

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 12/01/2006

Database Release Frequency: Varies

Date of Last EDR Contact: 05/21/2007

Date of Next Scheduled Update: 08/20/2007

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

### **RADINFO: Radiation Information Database**

Source: Environmental Protection Agency

Telephone: 202-343-9775

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 05/01/2007

Database Release Frequency: Quarterly

Date of Last EDR Contact: 08/01/2007

Date of Next Scheduled Update: 10/29/2007

### **LUCIS: Land Use Control Information System**

Source: Department of the Navy

Telephone: 843-820-7326

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005

Database Release Frequency: Varies

Date of Last EDR Contact: 06/11/2007

Date of Next Scheduled Update: 09/10/2007

### **CDL: Clandestine Drug Labs**

Source: Drug Enforcement Administration

Telephone: 202-307-1000

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/01/2006

Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/29/2007

Date of Next Scheduled Update: 09/24/2007

### **NY HSWDS: Hazardous Substance Waste Disposal Site Inventory**

Source: Department of Environmental Conservation

Telephone: 518-402-9564

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

Date of Government Version: 01/01/2003

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 05/29/2007

Date of Next Scheduled Update: 08/27/2007

### **NY DEL SHWS: Delisted Registry Sites**

Source: Department of Environmental Conservation

Telephone: 518-402-9622

A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 05/01/2007

Database Release Frequency: Annually

Date of Last EDR Contact: 06/13/2007

Date of Next Scheduled Update: 09/10/2007

### **NY SWRCY: Registered Recycling Facility List**

Source: Department of Environmental Conservation

Telephone: 518-402-8705

A listing of recycling facilities.

Date of Government Version: 05/01/2007

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/30/2007

Date of Next Scheduled Update: 10/29/2007

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

### NY SWTIRE: Registered Waste Tire Storage & Facility List

Source: Department of Environmental Conservation

Telephone: 518-402-8694

A listing of facilities registered to accept waste tires.

Date of Government Version: 08/01/2006

Database Release Frequency: Annually

Date of Last EDR Contact: 08/15/2007

Date of Next Scheduled Update: 11/12/2007

### NY LTANKS: Spills Information Database

Source: Department of Environmental Conservation

Telephone: 518-402-9549

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

Date of Government Version: 04/02/2007

Database Release Frequency: Varies

Date of Last EDR Contact: 07/25/2007

Date of Next Scheduled Update: 10/22/2007

### NY HIST LTANKS: Listing of Leaking Storage Tanks

Source: Department of Environmental Conservation

Telephone: 518-402-9549

A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 07/07/2005

Date of Next Scheduled Update: Not reported

### NY CBS UST: Chemical Bulk Storage Database

Source: NYSDEC

Telephone: 518-402-9549

Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 10/24/2005

Date of Next Scheduled Update: 01/23/2006

### NY MOSF UST: Major Oil Storage Facilities Database

Source: NYSDEC

Telephone: 518-402-9549

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002

Database Release Frequency: Varies

Date of Last EDR Contact: 07/25/2005

Date of Next Scheduled Update: 10/24/2005

### NY HIST UST: Historical Petroleum Bulk Storage Database

Source: Department of Environmental Conservation

Telephone: 518-402-9549

Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 01/01/2002

Database Release Frequency: Varies

Date of Last EDR Contact: 10/23/2006

Date of Next Scheduled Update: 01/22/2007

### NY CBS AST: Chemical Bulk Storage Database

Source: NYSDEC

Telephone: 518-402-9549

Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 07/25/2005

Date of Next Scheduled Update: 10/24/2005

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

### NY HIST AST: Historical Petroleum Bulk Storage Database

Source: Department of Environmental Conservation

Telephone: 518-402-9549

Registered Aboveground Storage Tanks.

Date of Government Version: 01/01/2002

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 10/23/2006

Date of Next Scheduled Update: 01/22/2007

### NY MOSF AST: Major Oil Storage Facilities Database

Source: NYSDEC

Telephone: 518-402-9549

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 07/25/2005

Date of Next Scheduled Update: 10/24/2005

### NY NY MANIFEST: Facility and Manifest Data

Source: Department of Environmental Conservation

Telephone: 518-402-8651

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

Date of Government Version: 10/26/2006

Database Release Frequency: Annually

Date of Last EDR Contact: 06/01/2007

Date of Next Scheduled Update: 08/27/2007

### NY SPILLS: Spills Information Database

Source: Department of Environmental Conservation

Telephone: 518-402-9549

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

Date of Government Version: 04/02/2007

Database Release Frequency: Varies

Date of Last EDR Contact: 07/25/2007

Date of Next Scheduled Update: 10/22/2007

### NY HIST SPILLS: SPILLS Database

Source: Department of Environmental Conservation

Telephone: 518-402-9549

This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 07/07/2005

Date of Next Scheduled Update: Not reported

### NY ENG CONTROLS: Registry of Engineering Controls

Source: Department of Environmental Conservation

Telephone: 518-402-9553

Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 05/01/2007

Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/13/2007

Date of Next Scheduled Update: 09/10/2007

### NY INST CONTROL: Registry of Institutional Controls

Source: Department of Environmental Conservation

Telephone: 518-402-9553

Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 05/01/2007

Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/13/2007

Date of Next Scheduled Update: 09/10/2007

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

### NY VCP: Voluntary Cleanup Agreements

Source: Department of Environmental Conservation  
Telephone: 518-402-9711

New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 05/01/2007  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/13/2007  
Date of Next Scheduled Update: 09/10/2007

### NY DRYCLEANERS: Registered Drycleaners

Source: Department of Environmental Conservation  
Telephone: 518-402-8403

A listing of all registered drycleaning facilities.

Date of Government Version: 06/15/2004  
Database Release Frequency: Varies

Date of Last EDR Contact: 05/21/2004  
Date of Next Scheduled Update: Not reported

### NY BROWNFIELDS: Brownfields Site List

Source: Department of Environmental Conservation  
Telephone: 518-402-9764

A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 05/01/2007  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/13/2007  
Date of Next Scheduled Update: 09/10/2007

### NY SPDES: State Pollutant Discharge Elimination System

Source: Department of Environmental Conservation  
Telephone: 518-402-8233

New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 05/09/2007  
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 08/06/2007  
Date of Next Scheduled Update: 11/05/2007

### NY AIRS: Air Emissions Data

Source: Department of Environmental Conservation  
Telephone: 518-402-8452

Point source emissions inventory data.

Date of Government Version: 12/31/2002  
Database Release Frequency: Annually

Date of Last EDR Contact: 05/21/2007  
Date of Next Scheduled Update: 08/20/2007

### NY CBS: Chemical Bulk Storage Site Listing

Source: Department of Environmental Conservation  
Telephone: 518-402-9549

These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 04/02/2007  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/25/2007  
Date of Next Scheduled Update: 10/22/2007

### NY RES DECL: Restrictive Declarations Listing

Source: NYC Department of City Planning  
Telephone: 212-720-3401

A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 12/31/1992  
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 07/17/2007  
Date of Next Scheduled Update: 10/15/2007

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

### **NY MOSF: Major Oil Storage Facility Site Listing**

Source: Department of Environmental Conservation

Telephone: 518-402-9549

These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 04/02/2007

Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/25/2007

Date of Next Scheduled Update: 10/22/2007

### **NY E DESIGNATION: E DESIGNATION SITE LISTING**

Source: New York City Department of City Planning

Telephone: 718-595-6658

The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements).

The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 02/28/2007

Database Release Frequency: Varies

Date of Last EDR Contact: 07/18/2007

Date of Next Scheduled Update: 10/15/2007

### **NY DAY CARE: Day Care Providers**

Source: Department of Health

Telephone: 212-676-2444

Date of Government Version: Not reported

Database Release Frequency: N/A

Date of Last EDR Contact: Not reported

Date of Next Scheduled Update: Not reported

### **POTENTIAL SUPERFUND LIABILITY**

#### **PRP: Potentially Responsible Parties**

Source: EPA

Telephone: 202-564-6064

A listing of verified Potentially Responsible Parties

Date of Government Version: 03/07/2007

Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/02/2007

Date of Next Scheduled Update: 10/01/2007



## **EDR Site Report™**

**VANADIUM CORPORATION OF AMERICA  
WITMER ROAD AT MARYLAND AVENUE  
NIAGARA, NY 14305**

**Inquiry Number:**

**August 16, 2007**

### **The Standard in Environmental Risk Information**

440 Wheelers Farms Road  
Milford, Connecticut 06461

#### **Nationwide Customer Service**

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The EDR-Site Report™ is a comprehensive presentation of government filings on a facility identified in a search of over 4 million government records from more than 600 federal, state and local environmental databases. The report is divided into three sections:

**Section 1: Facility Summary . . . . . Page 3**

Summary of facility filings including a review of the following areas: waste management, waste disposal, multi-media issues, and Superfund liability.

**Section 2: Facility Detail Reports . . . . . Page 4**

All available detailed information from databases where sites are identified.

**Section 3: Databases Searched and Update Information. . . . . Page 8**

Name, source, update dates, contact phone number and description of each of the databases searched for this report.

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

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# SECTION 1: FACILITY SUMMARY

FACILITY	FACILITY 1 VANADIUM CORPORATION OF AMERICA WITMER ROAD AT MARYLAND AVENUE NIAGARA, NY 14305 EDR ID #S106780943
<b>AREA</b>	
<b>WASTE MANAGEMENT</b> Facility generates hazardous waste (RCRA)	NO
Facility treats, stores, or disposes of hazardous waste on-site (RCRA/TSD)	NO
Facility has received Notices of Violations (RCRA/VIOL)	NO
Facility has been subject to RCRA administrative actions (RAATS)	NO
Facility has been subject to corrective actions (CORRACTS)	NO
Facility handles PCBs (PADS)	NO
Facility uses radioactive materials (MLTS)	NO
Facility manages registered aboveground storage tanks (AST)	NO
Facility manages registered underground storage tanks (UST)	NO
Facility has reported leaking underground storage tank incidents (LUST)	NO
Facility has reported emergency releases to the soil (ERNS)	NO
Facility has reported hazardous material incidents to DOT (HMIRS)	NO
<b>WASTE DISPOSAL</b> Facility is a Superfund Site (NPL)	NO
Facility has a known or suspect abandoned, inactive or uncontrolled hazardous waste site (CERCLIS)	NO
Facility has a reported Superfund Lien on it (LIENS)	NO
Facility is listed as a state hazardous waste site (SHWS)	<b>YES - p4</b>
Facility has disposed of solid waste on-site (SWF/LF)	NO
<b>MULTIMEDIA</b> Facility uses toxic chemicals and has notified EPA under SARA Title III, Section 313 (TRIS)	NO
Facility produces pesticides and has notified EPA under Section 7 of FIFRA (SSTS)	NO
Facility manufactures or imports toxic chemicals on the TSCA list (TSCA)	NO
Facility has inspections under FIFRA, TSCA or EPCRA (FTTS)	NO
Facility is listed in EPA's index system (FINDS)	NO
Facility is listed in a county/local unique database (LOCAL)	<b>YES - p7</b>
<b>POTENTIAL SUPERFUND LIABILITY</b> Facility has a list of potentially responsible parties PRP	NO
<b>TOTAL (YES)</b>	2

## SECTION 2: FACILITY DETAIL REPORTS

### WASTE DISPOSAL

Facility is listed as a state hazardous waste site

**DATABASE: State Hazardous Waste Sites (SHWS)**

VANADIUM CORPORATION OF AMERICA  
WITMER ROAD AT MARYLAND AVENUE  
NIAGARA, NY 14305  
EDR ID #S106780943

**SHWS:**

Program: HW  
Site Code: 58904  
Classification: SIGNIFICANT THREAT TO THE PUBLIC HEALTH OR ENVIRONMENT - ACTION REQUIRED.  
Region: 9  
Acres: Not reported  
HW Code: 932001  
Record Add: 1999-11-18 12:00:00  
Record Upd: 2006-07-07 08:10:00  
Updated By: RXSCHICK  
Site Description:

The Vanadium Corp. of America owned this site between 1920 and 1964. In 1964, Pittsburgh Metallurgical (now Airco, Inc.) purchased 62 acres of the property. In 1979, SKW Alloys, Inc. bought the Airco Alloys Division of Airco, Inc., obtaining the western 37 acres - now being addressed under Operable Unit 1 (OU-1). Airco Carbon retained the eastern 25 acres of their original 62 acre site - now being addressed under OU-2. This site has been used by SKW Alloys, Airco Carbon, and former ownersto dispose of ferrochromium silicon alloy dust, ferromanganese slag, ferrochromium silicon slag, ferosilicon dust, calcium hydroxide and miscellaneous refuse. The portion of the site owned by Airco Carbon contains an inactive landfill. The rest ofthe site is owned by NiMo (National Grid) and the New York Power Authority (NYPA) and is being addressed under OU-3. Disposal of ferrochromium silicon dust at the site by Airco Alloys has been confirmed. Surface water was also contaminated by phenol, iron and hexavalent chromium at levels above applicable standards. NYSDEC investigated the NIMO portion of the site (OU-3) and installed monitoring wells, collected subsurface soil and waste samples and completed a mapping survey to determine the actual size of the NiMo site. SKW Metal Alloys Inc. has completed an IRM on their portion of the site (OU-1)to palce a soil cover and control storm water flow. CCMA (formally SKW) petitioned the NYSDEC to delist the OU-1 portion of the site fromthe Registry. That petition was denied considering the presence of listed hazardous waste in the existing landfill cells, but the site boundaries for OU-1 were revised to include only the landfill cells. Deed notifications reflecting the modifiedboundaries of OU-1 were filed in the Niagara County Clerks Office and are recorded in Book 3114 - Page 291. The BOC Group (British Oxygen Group), who purchased Airco, has completed an IRM landfill closure program on OU-2. A RI/FS for OU-3 has beencompleted. A record of Decision (ROD) was issued in March 2006. The ROD requires: OU#1 - No Further Action OU#2 - No Further Action and OU#3 - waste consolidation and capping, site management plan, Environmental Easement and Periodic certificationwith long term monitoring. Remedial Action to implement the remedy for OU#3 is anticipated to begin during the fall 2006.

Environmental Problems: The presence of hazardous waste has been documented and significant threat has been determined. pH values in groundwater wells and surface water exceed 12.5. Exceedences for groundwater standards were noted for vinylchloride, trichloroethene, phenol, chromium, manganese, hexavalent chromium, cyanide, magnesium, sodium and zinc. IRMs completed for OU-1 and OU-2 have eliminated the significant threats from these areas.

Health Problems Assesment: The properly closed landfill areas are fenced. There are many open waste piles on the adjacent Niagara Mohawk (NiMo) and PASNY right-of-ways. Nearby residents are concerned about children playing in the Niagara Mohawk/PASNY right-of-ways. There is evidence of motorbike and all-terrain-vehicle usage along the power lines, which could result in direct contact with contaminants in soil and surface water. The pH of groundwater and surface water within the landfill area has exceeded 12.5 (considered corrosive). Exposures to site-related contaminants via drinking water are not expected because area residents are provided with public water.

Dump: FALSE  
Structure: FALSE  
Lagoon: FALSE  
Landfill: TRUE  
Pond: FALSE  
Disp Start: unknown  
Disp Term: unknown  
Lat/Long: 43:07:22:0 / 79:02:01:0  
Dell: FALSE  
Record Add: 11/18/1999  
Record Upd: 11/18/1999  
Updated By: INITIAL  
Own Op: 03  
Sub Type: NNN

## SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Owner Name: Not reported  
Owner Company: \*\*\* MULTIPLE SITE OWNERS \*\*\*  
Owner Address: Not reported  
Owner Addr2: Not reported  
Owner City,St,Zip: ZZ  
Owner Country: United States of America  
Own Op: 01  
Sub Type: E  
Owner Name: Not reported  
Owner Company: \*\*\* MULTIPLE SITE OWNERS \*\*\*  
Owner Address: 3801 HIGHLAND AVE.  
Owner Addr2: Not reported  
Owner City,St,Zip: NIAGARA FALLS, NY 14305  
Owner Country: United States of America  
Own Op: 01  
Sub Type: NNN  
Owner Name: Not reported  
Owner Company: Niagara Mohawk Power Corporation  
Owner Address: 300 Erie Blvd. West  
Owner Addr2: Not reported  
Owner City,St,Zip: Syracuse, NY 13202  
Owner Country: United States of America  
Own Op: 04  
Sub Type: NNN  
Owner Name: Not reported  
Owner Company: Vanadium Corp. of America  
Owner Address: 3801 Highland Avenue  
Owner Addr2: Not reported  
Owner City,St,Zip: Niagara Falls, NY 14305  
Owner Country: United States of America  
Own Op: 04  
Sub Type: E  
Owner Name: Not reported  
Owner Company: \*\*\* MULTIPLE SITE OWNERS \*\*\*  
Owner Address: 3801 HIGHLAND AVE.  
Owner Addr2: Not reported  
Owner City,St,Zip: NIAGARA FALLS, NY 14305  
Owner Country: United States of America  
Own Op: 04  
Sub Type: E  
Owner Name: ED BREDNIAK  
Owner Company: SKW Metals and Alloys  
Owner Address: PO BOX 217 502-395-7631  
Owner Addr2: Not reported  
Owner City,St,Zip: CALVERT CITY, KY 42029  
Owner Country: United States of America  
Own Op: 01  
Sub Type: NNN  
Owner Name: Not reported  
Owner Company: New York Power Authority  
Owner Address: 123 Main Street  
Owner Addr2: Not reported  
Owner City,St,Zip: White Plauns, NY 10601  
Owner Country: United States of America  
Own Op: 04  
Sub Type: NNN  
Owner Name: Not reported  
Owner Company: SKW Metals and Alloys  
Owner Address: PO Box 217 502-395-7631  
Owner Addr2: Not reported  
Owner City,St,Zip: Calvert City, KY 42029  
Owner Country: United States of America  
Own Op: 01  
Sub Type: E  
Owner Name: Not reported  
Owner Company: \*\*\* MULTIPLE SITE OWNERS \*\*\*  
Owner Address: 535 WASHINGTON ST.  
Owner Addr2: Not reported  
Owner City,St,Zip: BUFFALO, NY 14212  
Owner Country: United States of America  
Own Op: 01  
Sub Type: E  
Owner Name: ATTN. LAW DEPT  
Owner Company: \*\*\* MULTIPLE SITE OWNERS \*\*\*  
Owner Address: 575 MOUNTAIN AVENUE  
Owner Addr2: Not reported  
Owner City,St,Zip: MURRAY HILL, NJ 07974  
Owner Country: United States of America  
Own Op: 04  
Sub Type: NNN  
Owner Name: Not reported  
Owner Company: Cypress Minerals Co.  
Owner Address: 9100 East Mineral Circle  
Owner Addr2: Not reported  
Owner City,St,Zip: Englewood, CO 801553299

## SECTION 2: FACILITY DETAIL REPORTS

...Continued...

Owner Country: United States of America  
Own Op: 01  
Sub Type: NNN  
Owner Name: Not reported  
Owner Company: CCMA (formerly SKW) OU#1  
Owner Address: P.O. Box 217  
Owner Addr2: Not reported  
Owner City,St,Zip: Calvert City, KY 42029  
Owner Country: United States of America  
Own Op: 04  
Sub Type: E  
Owner Name: Not reported  
Owner Company: Cypress Minerals Co.  
Owner Address: 9100 East Mineral Circle  
Owner Addr2: Not reported  
Owner City,St,Zip: Englewood, CO 801553299  
Owner Country: United States of America  
Own Op: 01  
Sub Type: E  
Owner Name: 716-285-3211  
Owner Company: \*\*\* MULTIPLE SITE OWNERS \*\*\*  
Owner Address: P.O. BOX 386  
Owner Addr2: Not reported  
Owner City,St,Zip: LEWISTON, NY 14092  
Owner Country: United States of America  
Own Op: 01  
Sub Type: NNN  
Owner Name: Not reported  
Owner Company: BOC (formerly Airco Inc.) OU#2  
Owner Address: 100 Mountain Ave.  
Owner Addr2: Not reported  
Owner City,St,Zip: Murray Hill, NJ 079742064  
Owner Country: United States of America  
Own Op: 01  
Sub Type: NNN  
Owner Name: Not reported  
Owner Company: Cyprus Minerals (Phelps Dodge Corp.) OU#3  
Owner Address: One North Central Avenue  
Owner Addr2: Not reported  
Owner City,St,Zip: Phoenix, AZ 850042306  
Owner Country: United States of America  
HW Code: 932001  
Waste Type: FERRO CHROMIUM SILICON ALLOY DUST (K090 & D002)  
Waste Quantity: 50,000 TONS  
Waste Code: Not reported  
HW Code: 932001  
Waste Type: (K090 & D002 WASTE)  
Waste Quantity: UNKNOWN  
Waste Code: Not reported  
HW Code: 932001  
Waste Type: FERRO CHROMIUM SILICON SLAG (K090 & D002 WASTE)  
Waste Quantity: 21,000 TONS  
Waste Code: Not reported  
HW Code: 932001  
Waste Type: FERRO SILICON DUST  
Waste Quantity: 25,000 TONS  
Waste Code: Not reported  
HW Code: 932001  
Waste Type: CALCIUM HYDROXIDE, REFUSE  
Waste Quantity: UNKNOWN  
Waste Code: Not reported  
HW Code: 932001  
Waste Type: FERRO MANGANESE SLAG  
Waste Quantity: 6,000 TONS  
Waste Code: Not reported  
Crossref ID: NYD980654305  
Cross Ref Type Code: 05  
Cross Ref Type: EPA Site ID  
Record Added Date: 11/18/99  
Record Updated: 05/10/01  
Updated By: REGTRANS  
Crossref ID: 32-N-04  
Cross Ref Type Code: 07  
Cross Ref Type: Muni. Waste ID  
Record Added Date: 11/18/99  
Record Updated: 02/24/05  
Updated By: INITIAL

## SECTION 2: FACILITY DETAIL REPORTS

...Continued...

### MULTIMEDIA

Facility is listed in a county/local unique database

**DATABASE: State/County (LOCAL)**

VANADIUM CORPORATION OF AMERICA  
WITMER ROAD AT MARYLAND AVENUE  
NIAGARA, NY 14305  
EDR ID #S106780943

#### INST CONTROL:

Site Code: 58904  
Control Name: Part 360 Permit  
HW Code: 932001  
Control Code: 02  
Control Type: INST  
Dt record added: 06/25/04  
Dt rec updated: 06/25/04  
Updated By: wxpeters  
Env Problem:

The presence of hazardous waste has been documented and significant threat has been determined. pH values in groundwater wells and surface water exceed 12.5. Exceedences for groundwater standards were noted for vinylchloride, trichloroethene, phenol, chromium, manganese, hexavalent chromium, cyanide, magnesium, sodium and zinc. IRMs completed for OU-1 and OU-2 have eliminated the significant threats from these areas.

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Site Description: The Vanadium Corp. of America owned this site between 1920 and 1964. In 1964, Pittsburgh Metallurgical (now Airco, Inc.) purchased 62 acres of the property. In 1979, SKW Alloys, Inc. bought the Airco Alloys Division of Airco, Inc., obtaining the western 37 acres - now being addressed under Operable Unit 1 (OU-1). Airco Carbon retained the eastern 25 acres of their original 62 acre site - now being addressed under OU-2. This site has been used by SKW Alloys, Airco Carbon, and former ownersto dispose of ferrochromium silicon alloy dust, ferromanganese slag, ferrochromium silicon slag, ferosilicon dust, calcium hydroxide and miscellaneous refuse. The portion of the site owned by Airco Carbon contains an inactive landfill. The rest ofthe site is owned by NiMo (National Grid) and the New York Power Authority (NYPA) and is being addressed under OU-3. Disposal of ferrochromium silicon dust at the site by Airco Alloys has been confirmed. Surface water was also contaminated by phenol, iron and hexavalent chromium at levels above applicable standards. NYSDEC investigated the NIMO portion of the site (OU-3) and installed monitoring wells, collected subsurface soil and waste samples and completed a mapping survey to determine the actual size of the NiMo site. SKW Metal Alloys Inc. has completed an IRM on their portion of the site (OU-1)to palce a soil cover and control storm water flow. CCMA (formally SKW) petitioned the NYSDEC to delist the OU-1 portion of the site fromthe Registry. That petition was denied considering the presence of listed hazardous waste in the existing landfill cells, but the site boundaries for OU-1 were revised to include only the landfill cells. Deed notifications reflecting the modifiedboundaries of OU-1 were filed in the Niagara County Clerks Office and are recorded in Book 3114 - Page 291. The BOC Group (British Oxygen Group), who purchased Airco, has completed an IRM landfill closure program on OU-2. A RI/FS for OU-3 has beencompleted. A record of Decision (ROD) was issued in March 2006. The ROD requires: OU#1 - No Further Action OU#2 - No Further Action and OU#3 - waste consolidation and capping, site management plan, Environmental Easement and Periodic certificationwith long term monitoring. Remedial Action to implement the remedy for OU#3 is anticipated to begin during the fall 2006.

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

To maintain currency of the following federal, state and local databases, EDR contacts the appropriate government agency on a monthly or quarterly basis as required.

**Elapsed ASTM days:** Provides confirmation that this report meets or exceeds the 90-day updating requirement of the ASTM standard.

### WASTE MANAGEMENT

#### RCRA: Resource Conservation and Recovery Act Information

Source: EPA

Telephone: 800-424-9346

RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. RCRAInfo replaces the data recording and reporting abilities of the Resource Conservation and Recovery Information System (RCRIS). The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month. Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month. Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. Transporters are individuals or entities that move hazardous waste from the generator off-site to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste.

Date of Government Version: 06/13/2006

Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/16/2007

Date of Next Scheduled Update: 09/17/2007

#### BRS: Biennial Reporting System

Source: EPA/NTIS

Telephone: 800-424-9346

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2005

Database Release Frequency: Biennially

Date of Last EDR Contact: 06/12/2007

Date of Next Scheduled Update: 09/10/2007

#### RAATS: RCRA Administrative Action Tracking System

Source: EPA

Telephone: 202-564-4104

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 06/04/2007

Date of Next Scheduled Update: 09/03/2007

#### CORRACTS: Corrective Action Report

Source: EPA

Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 03/14/2007

Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/04/2007

Date of Next Scheduled Update: 09/03/2007

#### PADS: PCB Activity Database System

Source: EPA

Telephone: 202-566-0500

PCB Activity Database. PADS identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 10/17/2006

Database Release Frequency: Annually

Date of Last EDR Contact: 08/09/2007

Date of Next Scheduled Update: 11/05/2007

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

### **MLTS: Material Licensing Tracking System**

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/05/2007

Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/02/2007

Date of Next Scheduled Update: 10/01/2007

### **NY AST: Petroleum Bulk Storage**

Source: Department of Environmental Conservation

Telephone: 518-402-9549

Registered Aboveground Storage Tanks.

Date of Government Version: 04/02/2007

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 07/25/2007

Date of Next Scheduled Update: 10/22/2007

### **NY UST: Petroleum Bulk Storage (PBS) Database**

Source: Department of Environmental Conservation

Telephone: 518-402-9549

Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 04/02/2007

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 07/25/2007

Date of Next Scheduled Update: 10/22/2007

### **ERNS: Emergency Response Notification System**

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/2006

Database Release Frequency: Annually

Date of Last EDR Contact: 07/23/2007

Date of Next Scheduled Update: 10/22/2007

### **HMIRS: Hazardous Materials Information Reporting System**

Source: U.S. Department of Transportation

Telephone: 202-366-4555

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 03/05/2007

Database Release Frequency: Annually

Date of Last EDR Contact: 07/18/2007

Date of Next Scheduled Update: 10/15/2007

## **WASTE DISPOSAL**

### **NPL: National Priority List**

Source: EPA

Telephone: Not reported

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices.

Date of Government Version: 04/20/2007

Date Made Active at EDR: 07/05/2007

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 05/03/2007

Elapsed ASTM Days: 63

Date of Last EDR Contact: 07/31/2007

### **Proposed NPL: Proposed National Priority List Sites**

Source: EPA

Telephone: Not reported

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 04/20/2007

Date Made Active at EDR: 07/05/2007

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 05/03/2007

Elapsed ASTM Days: 63

Date of Last EDR Contact: 08/03/2007



## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

### **DELISTED NPL: National Priority List Deletions**

Source: EPA

Telephone: Not reported

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 04/20/2007

Date Made Active at EDR: 06/25/2007

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 05/03/2007

Elapsed ASTM Days: 53

Date of Last EDR Contact: 08/03/2007

### **CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System**

Source: EPA

Telephone: 703-412-9810

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/27/2007

Date Made Active at EDR: 04/27/2007

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/21/2007

Elapsed ASTM Days: 37

Date of Last EDR Contact: 06/20/2007

### **CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned**

Source: EPA

Telephone: 703-412-9810

Archived sites are sites that have been removed and archived from the inventory of CERCLIS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list this site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. This decision does not necessarily mean that there is no hazard associated with a given site; it only means that, based upon available information, the location is not judged to be a potential NPL site.

Date of Government Version: 03/21/2007

Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/15/2007

Date of Next Scheduled Update: 09/17/2007

### **ROD: Records Of Decision**

Source: EPA

Telephone: 703-416-0223

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 03/27/2007

Database Release Frequency: Annually

Date of Last EDR Contact: 07/02/2007

Date of Next Scheduled Update: 10/01/2007

### **NPL LIENS: Federal Superfund Liens**

Source: EPA

Telephone: 202-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991

Date Made Active at EDR: 03/30/1994

Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 02/02/1994

Elapsed ASTM Days: 56

Date of Last EDR Contact: 05/21/2007

### **NY SHWS: Inactive Hazardous Waste Disposal Sites in New York State**

Source: Department of Environmental Conservation

Telephone: 518-402-9622

Referred to as the State Superfund Program, the Inactive Hazardous Waste Disposal Site Remedial Program is the cleanup program for inactive hazardous waste sites and now includes hazardous substance sites

Date of Government Version: 05/01/2007

Database Release Frequency: Annually

Date of Last EDR Contact: 06/13/2007

Date of Next Scheduled Update: 09/10/2007

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

### NY SWF/LF: Facility Register

Source: Department of Environmental Conservation  
Telephone: 518-457-2051

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 05/01/2007  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/30/2007  
Date of Next Scheduled Update: 10/29/2007

### MULTIMEDIA

#### TRIS: Toxic Chemical Release Inventory System

Source: EPA  
Telephone: 202-566-0250

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2005  
Database Release Frequency: Annually

Date of Last EDR Contact: 06/19/2007  
Date of Next Scheduled Update: 09/17/2007

#### SSTS: Section 7 Tracking Systems

Source: EPA  
Telephone: 202-564-4203

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2005  
Database Release Frequency: Annually

Date of Last EDR Contact: 07/16/2007  
Date of Next Scheduled Update: 10/15/2007

#### TSCA: Toxic Substances Control Act

Source: EPA  
Telephone: 202-260-5521

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2002  
Database Release Frequency: N/A

Date of Last EDR Contact: 07/30/2007  
Date of Next Scheduled Update: 10/15/2007

#### FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA/Office of Prevention, Pesticides and Toxic Substances  
Telephone: 202-566-1667

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/13/2007  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/15/2007  
Date of Next Scheduled Update: 09/17/2007

#### FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

Source: EPA  
Telephone: 202-566-1667

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/13/2007  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/15/2007  
Date of Next Scheduled Update: 09/17/2007

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

### **FINDS: Facility Index System/Facility Registry System**

Source: EPA

Telephone: Not reported

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/12/2007

Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/02/2007

Date of Next Scheduled Update: 10/01/2007

### **RMP: Risk Management Plans**

Source: Environmental Protection Agency

Telephone: 202-564-8600

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 06/01/2007

Database Release Frequency: Varies

Date of Last EDR Contact: 05/21/2007

Date of Next Scheduled Update: 08/20/2007

### **STORMWATER: Storm Water General Permits**

Source: Environmental Protection Agency

Telephone: 202-564-0746

A listing of all facilities with Storm Water General Permits.

Date of Government Version: 06/02/2005

Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/03/2007

Date of Next Scheduled Update: 10/01/2007

### **US ENG CONTROLS: Engineering Controls Sites List**

Source: Environmental Protection Agency

Telephone: 703-603-8905

A listing of sites with engineering controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 04/20/2007

Database Release Frequency: Varies

Date of Last EDR Contact: 07/02/2007

Date of Next Scheduled Update: 10/01/2007

### **US INST CONTROL: Sites with Institutional Controls**

Source: Environmental Protection Agency

Telephone: 703-603-8905

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 04/20/2007

Database Release Frequency: Varies

Date of Last EDR Contact: 07/02/2007

Date of Next Scheduled Update: 10/01/2007

### **INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land**

Source: EPA Region 1

Telephone: 617-918-1313

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 12/01/2006

Database Release Frequency: Varies

Date of Last EDR Contact: 05/21/2007

Date of Next Scheduled Update: 08/20/2007

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

### **RADINFO: Radiation Information Database**

Source: Environmental Protection Agency

Telephone: 202-343-9775

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

Date of Government Version: 05/01/2007

Database Release Frequency: Quarterly

Date of Last EDR Contact: 08/01/2007

Date of Next Scheduled Update: 10/29/2007

### **LUCIS: Land Use Control Information System**

Source: Department of the Navy

Telephone: 843-820-7326

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 12/09/2005

Database Release Frequency: Varies

Date of Last EDR Contact: 06/11/2007

Date of Next Scheduled Update: 09/10/2007

### **CDL: Clandestine Drug Labs**

Source: Drug Enforcement Administration

Telephone: 202-307-1000

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 12/01/2006

Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/29/2007

Date of Next Scheduled Update: 09/24/2007

### **NY HSWDS: Hazardous Substance Waste Disposal Site Inventory**

Source: Department of Environmental Conservation

Telephone: 518-402-9564

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

Date of Government Version: 01/01/2003

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 05/29/2007

Date of Next Scheduled Update: 08/27/2007

### **NY DEL SHWS: Delisted Registry Sites**

Source: Department of Environmental Conservation

Telephone: 518-402-9622

A database listing of sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites.

Date of Government Version: 05/01/2007

Database Release Frequency: Annually

Date of Last EDR Contact: 06/13/2007

Date of Next Scheduled Update: 09/10/2007

### **NY SWRCY: Registered Recycling Facility List**

Source: Department of Environmental Conservation

Telephone: 518-402-8705

A listing of recycling facilities.

Date of Government Version: 05/01/2007

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 07/30/2007

Date of Next Scheduled Update: 10/29/2007

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

### NY SWTIRE: Registered Waste Tire Storage & Facility List

Source: Department of Environmental Conservation

Telephone: 518-402-8694

A listing of facilities registered to accept waste tires.

Date of Government Version: 08/01/2006

Database Release Frequency: Annually

Date of Last EDR Contact: 08/15/2007

Date of Next Scheduled Update: 11/12/2007

### NY LTANKS: Spills Information Database

Source: Department of Environmental Conservation

Telephone: 518-402-9549

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

Date of Government Version: 04/02/2007

Database Release Frequency: Varies

Date of Last EDR Contact: 07/25/2007

Date of Next Scheduled Update: 10/22/2007

### NY HIST LTANKS: Listing of Leaking Storage Tanks

Source: Department of Environmental Conservation

Telephone: 518-402-9549

A listing of leaking underground and aboveground storage tanks. The causes of the incidents are tank test failures, tank failures or tank overfills. In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY LTANKS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 07/07/2005

Date of Next Scheduled Update: Not reported

### NY CBS UST: Chemical Bulk Storage Database

Source: NYSDEC

Telephone: 518-402-9549

Facilities that store regulated hazardous substances in underground tanks of any size

Date of Government Version: 01/01/2002

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 10/24/2005

Date of Next Scheduled Update: 01/23/2006

### NY MOSF UST: Major Oil Storage Facilities Database

Source: NYSDEC

Telephone: 518-402-9549

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002

Database Release Frequency: Varies

Date of Last EDR Contact: 07/25/2005

Date of Next Scheduled Update: 10/24/2005

### NY HIST UST: Historical Petroleum Bulk Storage Database

Source: Department of Environmental Conservation

Telephone: 518-402-9549

Facilities that have petroleum storage capacities in excess of 1,100 gallons and less than 400,000 gallons.

Date of Government Version: 01/01/2002

Database Release Frequency: Varies

Date of Last EDR Contact: 10/23/2006

Date of Next Scheduled Update: 01/22/2007

### NY CBS AST: Chemical Bulk Storage Database

Source: NYSDEC

Telephone: 518-402-9549

Facilities that store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size.

Date of Government Version: 01/01/2002

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 07/25/2005

Date of Next Scheduled Update: 10/24/2005

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

### NY HIST AST: Historical Petroleum Bulk Storage Database

Source: Department of Environmental Conservation

Telephone: 518-402-9549

Registered Aboveground Storage Tanks.

Date of Government Version: 01/01/2002

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 10/23/2006

Date of Next Scheduled Update: 01/22/2007

### NY MOSF AST: Major Oil Storage Facilities Database

Source: NYSDEC

Telephone: 518-402-9549

Facilities that may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 01/01/2002

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 07/25/2005

Date of Next Scheduled Update: 10/24/2005

### NY NY MANIFEST: Facility and Manifest Data

Source: Department of Environmental Conservation

Telephone: 518-402-8651

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

Date of Government Version: 10/26/2006

Database Release Frequency: Annually

Date of Last EDR Contact: 06/01/2007

Date of Next Scheduled Update: 08/27/2007

### NY SPILLS: Spills Information Database

Source: Department of Environmental Conservation

Telephone: 518-402-9549

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

Date of Government Version: 04/02/2007

Database Release Frequency: Varies

Date of Last EDR Contact: 07/25/2007

Date of Next Scheduled Update: 10/22/2007

### NY HIST SPILLS: SPILLS Database

Source: Department of Environmental Conservation

Telephone: 518-402-9549

This database contains records of chemical and petroleum spill incidents. Under State law, petroleum and hazardous chemical spills that can impact the waters of the state must be reported by the spiller (and, in some cases, by anyone who has knowledge of the spills). In 2002, the Department of Environmental Conservation stopped providing updates to its original Spills Information Database. This database includes fields that are no longer available from the NYDEC as of January 1, 2002. Current information may be found in the NY SPILLS database. Department of Environmental Conservation.

Date of Government Version: 01/01/2002

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 07/07/2005

Date of Next Scheduled Update: Not reported

### NY ENG CONTROLS: Registry of Engineering Controls

Source: Department of Environmental Conservation

Telephone: 518-402-9553

Environmental Remediation sites that have engineering controls in place.

Date of Government Version: 05/01/2007

Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/13/2007

Date of Next Scheduled Update: 09/10/2007

### NY INST CONTROL: Registry of Institutional Controls

Source: Department of Environmental Conservation

Telephone: 518-402-9553

Environmental Remediation sites that have institutional controls in place.

Date of Government Version: 05/01/2007

Database Release Frequency: Quarterly

Date of Last EDR Contact: 06/13/2007

Date of Next Scheduled Update: 09/10/2007

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

### NY VCP: Voluntary Cleanup Agreements

Source: Department of Environmental Conservation  
Telephone: 518-402-9711

New York established its Voluntary Cleanup Program (VCP) to address the environmental, legal and financial barriers that often hinder the redevelopment and reuse of contaminated properties. The Voluntary Cleanup Program was developed to enhance private sector cleanup of brownfields by enabling parties to remediate sites using private rather than public funds and to reduce the development pressures on "greenfield" sites.

Date of Government Version: 05/01/2007  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/13/2007  
Date of Next Scheduled Update: 09/10/2007

### NY DRYCLEANERS: Registered Drycleaners

Source: Department of Environmental Conservation  
Telephone: 518-402-8403

A listing of all registered drycleaning facilities.

Date of Government Version: 06/15/2004  
Database Release Frequency: Varies

Date of Last EDR Contact: 05/21/2004  
Date of Next Scheduled Update: Not reported

### NY BROWNFIELDS: Brownfields Site List

Source: Department of Environmental Conservation  
Telephone: 518-402-9764

A Brownfield is any real property where redevelopment or re-use may be complicated by the presence or potential presence of a hazardous waste, petroleum, pollutant, or contaminant.

Date of Government Version: 05/01/2007  
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 06/13/2007  
Date of Next Scheduled Update: 09/10/2007

### NY SPDES: State Pollutant Discharge Elimination System

Source: Department of Environmental Conservation  
Telephone: 518-402-8233

New York State has a state program which has been approved by the United States Environmental Protection Agency for the control of wastewater and stormwater discharges in accordance with the Clean Water Act. Under New York State law the program is known as the State Pollutant Discharge Elimination System (SPDES) and is broader in scope than that required by the Clean Water Act in that it controls point source discharges to groundwaters as well as surface waters.

Date of Government Version: 05/09/2007  
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 08/06/2007  
Date of Next Scheduled Update: 11/05/2007

### NY AIRS: Air Emissions Data

Source: Department of Environmental Conservation  
Telephone: 518-402-8452

Point source emissions inventory data.

Date of Government Version: 12/31/2002  
Database Release Frequency: Annually

Date of Last EDR Contact: 05/21/2007  
Date of Next Scheduled Update: 08/20/2007

### NY CBS: Chemical Bulk Storage Site Listing

Source: Department of Environmental Conservation  
Telephone: 518-402-9549

These facilities store regulated hazardous substances in aboveground tanks with capacities of 185 gallons or greater, and/or in underground tanks of any size

Date of Government Version: 04/02/2007  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/25/2007  
Date of Next Scheduled Update: 10/22/2007

### NY RES DECL: Restrictive Declarations Listing

Source: NYC Department of City Planning  
Telephone: 212-720-3401

A restrictive declaration is a covenant running with the land which binds the present and future owners of the property. As a condition of certain special permits, the City Planning Commission may require an applicant to sign and record a restrictive declaration that places specified conditions on the future use and development of the property. Certain restrictive declarations are indicated by a D on zoning maps.

Date of Government Version: 12/31/1992  
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 07/17/2007  
Date of Next Scheduled Update: 10/15/2007

## SECTION 3: DATABASES SEARCHED AND UPDATE DATES

...Continued...

### NY MOSF: Major Oil Storage Facility Site Listing

Source: Department of Environmental Conservation

Telephone: 518-402-9549

These facilities may be onshore facilities or vessels, with petroleum storage capacities of 400,000 gallons or greater.

Date of Government Version: 04/02/2007

Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/25/2007

Date of Next Scheduled Update: 10/22/2007

### NY E DESIGNATION: E DESIGNATION SITE LISTING

Source: New York City Department of City Planning

Telephone: 718-595-6658

The (E (Environmental)) designation would ensure that sampling and remediation take place on the subject properties, and would avoid any significant impacts related to hazardous materials at these locations. The (E) designations would require that the fee owner of the sites conduct a testing and sampling protocol, and remediation where appropriate, to the satisfaction of the NYCDEP before the issuance of a building permit by the Department of Buildings pursuant to the provisions of Section 11-15 of the Zoning Resolution (Environmental Requirements).

The (E) designations also include a mandatory construction-related health and safety plan which must be approved by NYCDEP.

Date of Government Version: 02/28/2007

Database Release Frequency: Varies

Date of Last EDR Contact: 07/18/2007

Date of Next Scheduled Update: 10/15/2007

### NY DAY CARE: Day Care Providers

Source: Department of Health

Telephone: 212-676-2444

Date of Government Version: Not reported

Database Release Frequency: N/A

Date of Last EDR Contact: Not reported

Date of Next Scheduled Update: Not reported

### POTENTIAL SUPERFUND LIABILITY

#### PRP: Potentially Responsible Parties

Source: EPA

Telephone: 202-564-6064

A listing of verified Potentially Responsible Parties

Date of Government Version: 03/07/2007

Database Release Frequency: Quarterly

Date of Last EDR Contact: 07/02/2007

Date of Next Scheduled Update: 10/01/2007



# APPENDIX H

## REGULATORY AGENCIES INFORMATION

August 13, 2007

Ms. Elaine Butler  
New York State Department of  
Environmental Conservation  
270 Michigan Avenue  
Buffalo, NY 14203

Re: Freedom of Information Act (FOIA) Request  
1501 College Avenue  
Niagara Falls, New York

Dear Ms. Butler:

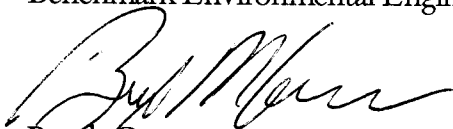
Our company is currently performing a Phase I Environmental Site Assessment (ESA) for the above referenced properties. The property is an abandoned industrial property, located at 1501 College Avenue in the City of Niagara Falls, County of Niagara, New York. The site is formerly Niagara Vest, Union Carbide Co., and National Carbon Co. Additionally the property was formerly addressed as 3625 Highland Avenue. The subject property parcel is listed as 130.18-2-3.211.

We are requesting any and all information from the following divisions:

- Environmental Remediation regarding any complaints, investigations, or citations against the subject property that have been initiated or recorded by the NYSDEC.
- We are requesting any and all information from the division of Solid and Hazardous Materials regarding any complaints, investigations, or citations against the subject property that have been initiated or recorded by the NYSDEC.

Please inform us if any such files exist and when they may be reviewed. We appreciate your assistance in this matter.

Sincerely,  
Benchmark Environmental Engineering & Science, PLLC

  
Brock Greene  
Project Environmental Scientist

File: 0140-001-100

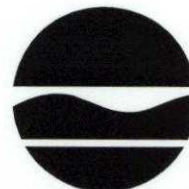
**New York State Department of Environmental Conservation**

**Regional Administration, Region 9**

270 Michigan Avenue, Buffalo, New York, 14203-2999

Phone: (716) 851-7201 • FAX: (716) 851-7211

Website: [www.dec.state.ny.us](http://www.dec.state.ny.us)



Alexander B. Grannis  
Commissioner

August 14, 2007

Mr. Brock Greene  
Benchmark Environmental Engineering & Science  
726 Exchange Street, Suite 624  
Buffalo, NY 14210

Dear Mr. Greene:

This letter acknowledges receipt of your request(s) dated 8/13/2007 for access to records relative to:

**1501 College Avenue, Niagara Falls Formerly Niagara Vest, Union Carbide Co.,  
and National Carbon Co addressed as 3625 Highland Avenue**

Your request(s) has been forwarded to the appropriate individual programs(s) within DEC.

To assist you in locating spill information, we refer you to the NYSDEC Spill website:  
[www.dec.state.ny.gov/cfm/xtapps/derfoil/index.cfm](http://www.dec.state.ny.gov/cfm/xtapps/derfoil/index.cfm)

If you locate a spill number from the database, please reference the spill number when requesting information.

Following the necessary file search, you will be contacted as to whether such records are in our custody. If all records are not provided because the records are excepted from disclosure, you will be notified of the reasons and of your right to appeal the determination.

Due to the large volume of requests we receive, you may expect a reply by 9/11/2007.

Sincerely,

Peter Grasso  
Regional Enforcement Coordinator

## Mike Lesakowski

---

**From:** Gregory Sutton [gpsutton@gw.dec.state.ny.us]  
**Sent:** Thursday, August 16, 2007 4:13 PM  
**To:** Lesakowski, Mike  
**Cc:** Konsella, Jeffrey  
**Subject:** Union Carbide FOIL

Mike

We received a FOIL from Brock Greene regarding the Union Carbide College Ave site. Since it will be awhile before you get a official response I have attached electronic copies of our file on the site so you can get started. Please let Brock know I am responding to the FOIL.

Thanks

Greg

Gregory P. Sutton, P.E.  
Regional Hazardous Waste Remediation Engineer  
NYSDEC - Region 9  
Division of Environmental Remediation  
270 Michigan Ave.  
Buffalo, New York 14203  
Phone: (716)851-7220  
Fax: (716)851-7226  
e-mail: [gpsutton@gw.dec.state.ny.us](mailto:gpsutton@gw.dec.state.ny.us)



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 2  
2890 WOODBRIDGE AVENUE  
EDISON, NEW JERSEY 08837-3679

NOV - 3 2003



Mr. Robert L. Marino, Director  
Bureau of Technical Support  
New York State Department of Environmental Conservation  
Division of Environmental Remediation  
11<sup>th</sup> Floor, 625 Broadway  
Albany, New York 12233-7014

NOV 5 2003  
BUREAU OF  
TECHNICAL SUPPORT

Re: Habsorb Site  
1731, 1777 & 1903 College Avenue  
Niagara Falls, Niagara County York

Dear Mr. Marino:

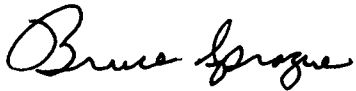
This letter serves to notify you that the United States Environmental Protection Agency (EPA) has completed a removal action at the Habsorb Site, Niagara Falls, Niagara County, New York. Based on an authorization as outlined in the Action Memorandum dated April 11, 2003, the removal action was initiated on May 13, 2003, and completed on October 2, 2003.

This action included the identification, stabilization, segregation, removal and disposal of all hazardous wastes found at the property. The only hazardous wastes found at the site was a Galbestos material with high PCB levels (up to 56,000 ppm, leachable to 17 ppm) that was found on corrugated steel siding/roofing that was piled across the site from prior building demolition. Twenty seven truck loads of these Galbestos wastes were shipped off-site for proper disposal at the Model City landfill. As a final step, the site was vacuumed to remove any pieces of Galbestos that may have flaked off the siding/roofing materials.

The City of Niagara Falls Brownfields Coordinator Pat Metzger was notified that Galbestos materials will continue to be deposited on the site as long as the building (on private property adjacent to the City's property) remains. Mr. Metzger is working with the Region 9 New York State Department of Conservation office to find a resolution to this problem.

This completes EPA's removal activities at this site in regards to this removal request. Should you need any additional information or have questions about this site, please contact Gregory B. DeAngelis, of my staff, at 908-906-6874.

Sincerely yours,

A handwritten signature in black ink, reading "Bruce Sprague". The signature is written in a cursive, flowing style.

Bruce Sprague, Chief  
Response and Prevention Branch

# APPENDIX I

## ENVIRONMENTAL QUESTIONNAIRE

(NOT PROVIDED)

# APPENDIX J

## USER PROVIDED INFORMATION



Buffalo Fuel Corp.  
1501 College Avenue Site  
Niagara Falls, NY

USER QUESTIONNAIRE

- 1.) Are you aware of any environmental cleanup liens against the Site that have been filed or recorded in a registry under federal, tribal, state or local law?

☒ No ☐ Yes (explain) \_\_\_\_\_

- 2.) Are you aware of any engineering controls, land use restrictions or institutional controls that are in place and/or that have been filed or recorded in a registry under federal, tribal, state or local law?

☒ No ☐ Yes (explain) \_\_\_\_\_

- 3.) As the User of this ESA do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or an adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?

☒ No ☐ Yes (explain) \_\_\_\_\_

- 4.) Does the purchase price being paid for this property reasonably reflect fair market value of the property?

☐ No ☐ Yes (explain) Not Negotiated yet \_\_\_\_\_

If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?

☐ No ☐ Yes (explain) \_\_\_\_\_

- 5.) Are you aware of commonly known or reasonably ascertainable information about the property that would help the environmental professional to identify conditions indicative of releases or threatened releases? For example, as User,

a. Do you know the past use of the property? No \_\_\_\_\_

b. Do you know of specific chemicals that are present or once were present at the property? No \_\_\_\_\_

c. Do you know of spills or other chemical releases that have taken place at the property? No \_\_\_\_\_

d. Do you know of any environmental cleanup activities that have taken place at the property? No \_\_\_\_\_

Buffalo Fuel Corp.  
1501 College Avenue Site  
Niagara Falls, NY

- 6.) As the User of this ESA, based on your knowledge and experience related to the property are there any obvious indicators that point to the presence or likely presence of contamination at the property?

\_\_\_\_ No ☒ Yes (explain) \_\_\_\_\_

CERTIFICATION OF RESPONSES:

I, Thomas O'Malley, the user of the Phase I ESA being completed for this Site, do hereby attest and certify that to the **best of my knowledge**, the answers and information provided in this questionnaire, are true and accurate. I have not willfully withheld information that may be pertinent to the questions contained herein and have not distorted or misrepresented the facts regarding the content of this questionnaire.

Signature: Thomas O'Malley Date: 8/22/07

Title: Env. Chemist

# APPENDIX K

## LIMITATIONS

## LIMITATIONS

This Phase I Environmental Site Assessment (ESA) is based on current and historical information reviewed by Benchmark and Benchmark's site inspection. This report is not to be considered as an environmental audit of the subject property or a complete environmental investigation of the subject property.

The purpose of this assessment is not to proclaim a property is devoid of environmental impact but rather to identify recognized environmental conditions (RECs). RECs are defined by ASTM as "the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substance or petroleum products into structures on the property or into the ground, ground water, or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to the public health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. Conditions determined to be de minimis are not recognized environmental conditions."

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

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

This report is also subject to any and all limitations defined within ASTM E1527-05. This includes, but is not limited to, the limitation that this report is intended to identify

environmental conditions at a specific time and the report is only valid for a period of six months from the date of issuance.

The principles defined within ASTM E1527-05, and followed within this study, include the following.

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

# APPENDIX L

## USER RESPONSIBILITIES

## User Responsibilities

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

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

# APPENDIX M

## USER PROTECTIONS



## User Protections

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

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

# APPENDIX N

## PREVIOUS STUDIES



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 2  
2890 WOODBRIDGE AVENUE  
EDISON, NEW JERSEY 08837-3679

NOV - 3 2003

Mr. Robert L. Marino, Director  
Bureau of Technical Support  
New York State Department of Environmental Conservation  
Division of Environmental Remediation  
11<sup>th</sup> Floor, 625 Broadway  
Albany, New York 12233-7014

Re: Hazsorb Site  
1731, 1777 & 1903 College Avenue  
Niagara Falls, Niagara County York

Dear Mr. Marino:

This letter serves to notify you that the United States Environmental Protection Agency (EPA) has completed a removal action at the Hazsorb Site, Niagara Falls, Niagara County, New York. Based on an authorization as outlined in the Action Memorandum dated April 11, 2003, the removal action was initiated on May 13, 2003, and completed on October 2, 2003.

This action included the identification, stabilization, segregation, removal and disposal of all hazardous wastes found at the property. The only hazardous wastes found at the site was a Galbestos material with high PCB levels (up to 56,000 ppm, leachable to 17 ppm) that was found on corrugated steel siding/roofing that was piled across the site from prior building demolition. Twenty seven truck loads of these Galbestos wastes were shipped off-site for proper disposal at the Model City landfill. As a final step, the site was vacuumed to remove any pieces of Galbestos that may have flaked off the siding/roofing materials.

The City of Niagara Falls Brownfields Coordinator Pat Metzger was notified that Galbestos materials will continue to be deposited on the site as long as the building (on private property adjacent to the City's property) remains. Mr. Metzger is working with the Region 9 New York State Department of Conservation office to find a resolution to this problem.

*Dennis Farrar*  
*B. Sadowski*

*BA*  
*PA*

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X REL UNREL

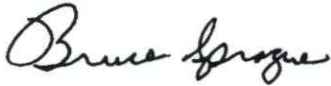
**RECEIVED**

NOV 5 2003

**BUREAU OF  
TECHNICAL SUPPORT**

This completes EPA's removal activities at this site in regards to this removal request. Should you need any additional information or have questions about this site, please contact Gregory B. DeAngelis, of my staff, at 908-906-6874.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "Bruce Sprague".

Bruce Sprague, Chief  
Response and Prevention Branch

# Niagara Falls, New York

Niagara Falls, New York 14302

**THE**

Figure 1. The effect of the number of trials on the mean number of correct responses. The number of correct responses increased with the number of trials. The number of correct responses was significantly higher than the number of incorrect responses for all trial numbers.

March 2001

**SITE INVESTIGATION AND REMEDIAL ALTERNATIVES REPORT**

**FOR THE**

**HAZORB SITE PROPERTY  
1731-1903 COLLEGE AVENUE  
NIAGARA FALLS, NEW YORK**

DEPT. OF ENVIRONMENTAL &  
INSPECTIONS  
P.O. BOX 69  
NIAGARA FALLS, NY 14302-0069

**Prepared for:  
The City of Niagara Falls  
Department of Environmental Services  
745 Main Street  
Niagara Falls, New York 14302**

**Prepared by:  
  
URS Corp.  
282 Delaware Avenue  
Buffalo, New York 14202  
AND  
Panamerican Environmental, Inc.  
2390 Clinton Street  
Buffalo, New York 14227**

**March 2001**

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## EXECUTIVE SUMMARY

The City of Niagara Falls (City) presently owns several adjacent parcels along College Avenue (1731-1903 College Avenue - SBL #s 130.18-2-15, 130.18-2-3.22, 130.18-2-16, 130.18-2-17) in Niagara Falls, New York. Past industrial uses may have negatively impacted the site's environmental integrity. To investigate the environmental conditions of the site, the City contracted URS Corporation (URS) and Panamerican Environmental, Inc. (PEI) to perform a Site Investigation and Remedial Alternatives Report (SI/RAR). The SI/RAR, funded by a U.S. Environmental Protection Agency (USEPA) Brownfields Assessment Grant, is designed to determine whether contamination is present on site, and, if necessary, to characterize the nature of the contamination, evaluate the risks that the site contaminants pose to human health and the environment, and present a review of potential remedial alternatives for the site. During the first phase (project scoping), URS/PEI conducted a Phase I Environmental Assessment including a records search and a preliminary site walkover. This information is presented in "*SI/RAR Scoping Plan, Phase I Environmental Site Assessment, Hazorb Site, City of Niagara Falls, Niagara City, NY*" - May 1999. During the second phase, URS/PEI collected soil, groundwater, and surface water samples to provide an understanding of the site's physical conditions, and the general distribution and type of contamination on site.

The site which is comprised of four parcels totaling 5.22 acres on the south side of College Avenue just west of Hyde Park Boulevard, was part of the former Union Carbide Niagara Plant (Hazorb Site). First occupied in 1910 by National Carbon Company, this property was part of a larger facility that manufactured silicon carbide electrodes. The Hazorb facility produced specialty machined graphite, carbon liners, cathode blocks, and electrodes for furnacing. The property was formerly occupied by a series of buildings most of which have recently been demolished. Only a portion of the western most building is still standing. The property is currently vacant consisting of a partially demolished building and numerous debris piles consisting of brick, corrugated metal roofing and other metal parts, wood, concrete block and slabs, tires, soil, glass, rock, rebar, and miscellaneous materials. A group of approximately 153, 55-gallon drums of graphite type material are located in a staging area at the far southern corner of the property. Some cardboard drums and various 10-50 pound bags of Carborundum material packaged for sale/use/distribution are also located in this area. (These materials are being investigated and will be remediated, as necessary by the USEPA, and are not included in this assessment.)

Various other crushed 55-gallon drums were observed in some of the debris piles especially those located along the southeast and southern portion of the property. A large elongated soil/carbon mound approximately 15 feet high is located along the eastern portion of the property. Soil, carbon-like material, large square shaped chunks of carbon, concrete, wood and wood pallets, reinforced concrete slabs, and miscellaneous other materials were observed in this pile. A small concrete pad, approximately 8x10 feet, is located adjacent to the access road in the northeast portion of the property. Eight pipes approximately 3-inch in diameter extend from the pad.

The majority of the property surface is covered by the remaining concrete slab floors from the prior on-site structures. Of note was a series of water filled reinforced concrete-lined pits and utility runs/channels that were observed in various locations across the slab. One large pit, located near the southwest corner of the property is surrounded by large rectangular-shaped concrete blocks (former gas plant).

According to a former Union Carbide employee, one of the buildings that was recently demolished at the site was the Bulk Baking building. The carbon was baked using several ring furnaces that were constructed in the 1920s and continued operation into the 1970s. These ovens were located in pits (i.e., below grade) and were initially powered by an on-site gas producer. The gas producer was located in the southwest corner of the property and burned coal to produce gas which was then fed to the ring ovens. In later years, the ovens were powered by commercial natural gas. The gas plant has since been demolished, and only the foundation is currently visible. The partially demolished building in the western portion of the site was part of the machining area. The concrete slab which covers most of the north side of the property was the floor of the shipping building. Finished products were loaded onto railroad cars as well as trucks at this location. The railroad tracks are still in place along the northern edge of the property. The property was sold to Niagara West in 1986 and manufacturing continued. Niagara West reportedly produced metal bricks that also included silicon carbide as an ingredient. The property was foreclosed on by the property bank in 1996 and 1998.

The investigation activities included Geoprobe subsurface soil sampling, and collection and analysis of composite samples from specific debris piles, 4-5 of the large shipping bags observed both inside and outside the building, sludge/sediment contained in the onsite water-filled

pit, and surface water samples from accumulated water within the three onsite pits/utility runs/channels. Samples were analyzed for Target Compound List (TCL) organic compounds (volatiles and semi-volatiles) and Resource Conservation and Recovery Act (RCRA) metals. A groundwater sample was also collected from a geoprobe boring and analyzed for TCL volatile organic compounds (VOCs).

Analysis of the soil samples showed the presence of various TCL semivolatile organic compounds (SVOCs), mainly polynuclear aromatic hydrocarbons (PAHs), at concentrations that exceed New York State Department of Environmental Conservation (NYSDEC) Technical and Administrative Guidance Memorandum (TAGM) 4046 recommended soil cleanup objectives. No other VOCs or SVOCs were detected at concentrations above NYSDEC guidelines. Only one RCRA metal, mercury was detected in one sample at concentrations that exceeded NYSDEC recommended levels.

Samples of the debris piles and bagged materials showed the presence of TCL SVOCs (mainly PAHs) and some RCRA metals (mercury and arsenic) at concentrations that exceed NYSDEC guidance levels.

Only one Sludge/Sediment sample was collected since this material was limited or absent in most of the water filled pits and utility runs/channels. The one sample was collected from the former gas plant pit in the southwest portion of the property. The analytical results from this sample indicated elevated levels of PAHs and one metal, chromium.

The groundwater sample from HZB-18 showed no detectable levels of VOCs. Surface water samples collected from the Former Gas Plant Pit and the trench showed no detectable levels of VOCs, SVOCs, pesticides or PCBs, with the exception of endrin (0.12 ppb) in HZB-09. Several metals, including arsenic, barium, cadmium, lead and cyanide were detected.

In summary, elevated levels of PAHs were detected in both sludge/surface waste piles and subsurface samples across the property. In general, the highest levels were observed in the surface debris and subsurface samples obtained from the central portion of the property and the sludge sample obtained from the reported on-site gas producer area. Metal and PAH compounds are common constituents of fill material found in industrial environments, and are typically associated

with coal based carbon, railroad fill material, coal tar and asphalt based materials and ash. The primary routes of human exposure to PAHs and metals in surface/subsurface soils and debris piles include inhalation or ingestion of contaminated dust as well as dermal contact. In general, PAHs and metals are not very mobile in soils, in that they have low solubility in water and tend to adsorb to the soil grains. PAHs detected onsite are most likely the result of former industrial production/disposal activities on-site and/or contaminated fill material used at the property. Odors were noted during the subsurface investigation at two boring locations (H2B-15 and --18). Soil samples collected from each of these borings did not show detectable levels of VOCs.

Based on the assumption that future uses of the site will be limited to industrial/commercial purposes, some limited remedial activity will be required due to the elevated levels of PAHs present. The most significant exposure pathways of concern are associated with dermal contact and/or ingestion and inhalation of fugitive dust. Therefore, the remedial alternatives should focus on reducing and eliminating the potential for workers to come in contact with the contaminated site soils/debris and/or to be exposed to fugitive dust.

At a minimum, the following remedial activities should be implemented prior to, or as part of, redevelopment of the site:

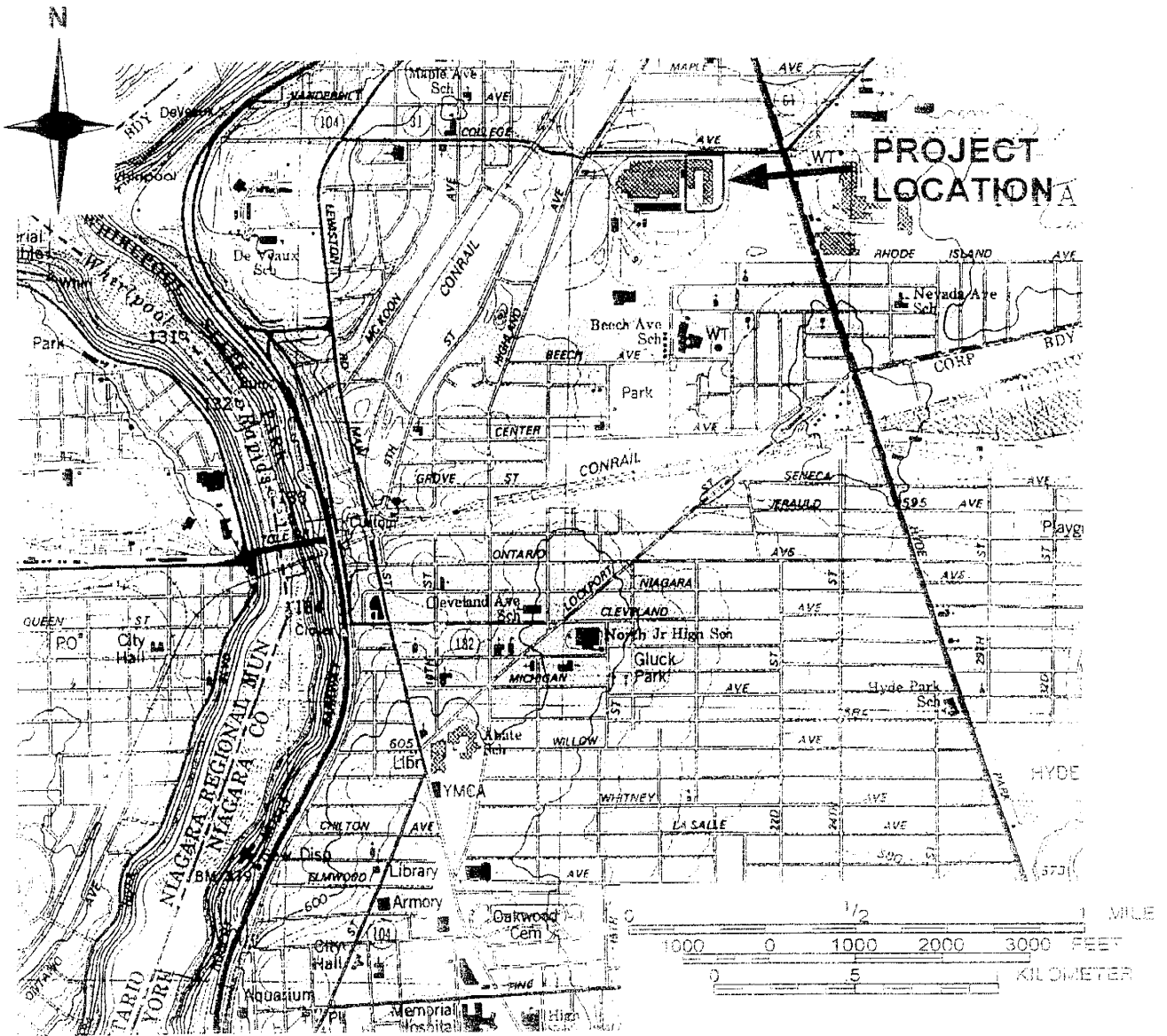
- Removal and proper disposal or reuse of debris/waste product
- Capping of exposed surface areas (i.e., paving or clean soil)
- Deed restrictions limiting future use to industrial/commercial purposes.
- Development of guidelines/restrictions for potential future construction activities which may disturb subsurface contaminated soil/fill materials.

## 1.0 INTRODUCTION

The City of Niagara Falls (City) presently owns several adjacent parcels along College Avenue (1731-1903 College Avenue - SBL #s 130.18-2-15, 130.18-2-3.22, 130.18-2-16, 130.18-2-17) in Niagara Falls, New York (Figure 1-1). Past industrial uses may have negatively impacted the site's environmental integrity. To investigate the environmental conditions of the site, the City contracted URS Corporation (URS) and Panamerican Environmental, Inc. (PEI) to perform a Site Investigation and Remedial Alternatives Report (SI/RAR). The SI/RAR, funded by a U.S. Environmental Protection Agency (USEPA) Brownfields Assessment Grant, is designed to determine whether contamination is present on site, and, if necessary, to characterize the nature of the contamination, evaluate the risks that the site contaminants pose to human health and the environment, and present a review of remedial alternatives for the site. During the first phase (project scoping), URS/PEI conducted a Phase I Environmental Assessment including a records search and a preliminary site walkover. During the second phase, URS/PEI collected soil, groundwater, debris, surface water and sediment samples to provide an understanding of the site's physical conditions, and the general distribution and type of contamination on site.

The site, which is comprised of four parcels totaling 5.22-acres on the south side of College Avenue just west of Hyde Park Boulevard, was part of the former Union Carbide Niagara Plant (Hazorb Site). First occupied in 1910 by National Carbon Company, this property was part of a larger facility that manufactured silicon carbide electrodes. The Hazorb facility produced specialty machined graphite, carbon liners, cathode blocks, and electrodes for furnacing. The property was formerly occupied by a series of buildings most of which have recently been demolished to grade level. Only a portion of the western most building is still standing. The remainder of the property consists of concrete foundations and floor slab, and a wide variety of demolition debris located in various piles across the surface of the property. Most piles have been segregated by debris type (i.e. brick, metal, etc.). Additionally, there are numerous large shipping bags filled with gray, powdery material (presumably molten/cast product) and large piles of fill/waste product along the eastern margin of the site.

The overall goals of the SI/RAR are:



- To conduct a site investigation as quickly, economically, and efficiently as possible to characterize the site and determine the nature and extent of contamination present, if any; and
- To evaluate the risks, if any, that the site presents and identify appropriate remedial alternatives that could be implemented to eliminate or mitigate any human health or environmental impacts associated with the site.

In order to ensure the integrity of the sampling and analysis, the procedures utilized for the SI were conducted in accordance with the USEPA and New York State Department of Environmental Conservation (NYSDEC) approved procedures.

## 1.1 Purpose of Report

The purpose the SI/RAR report is to concisely present a summary of the site investigation activities and findings, along with the results of the risk and remedial alternative evaluations for the 5.22-acre (four parcels) Hazorb Site.

## 1.2 Site Background

The site background of the Hazorb Site property is presented in the following sections.

### 1.2.1 Site Description

Located on College Avenue, the property is a vacant, approximately 5.22-acre irregularly-shaped rectangular lot located west of Hyde Park Boulevard and east of Highland Avenue in the City of Niagara Falls, Niagara County, New York (see Figure 1-1). The immediate property vicinity and the surrounding area consist primarily of mixed commercial/industrial and heavy manufacturing uses with some residential properties. The terrain is generally flat and slopes slightly from north, northwest to south and southwest. The currently vacant property is fenced and contains a partially demolished building (approximately 120 ft long by 50 ft wide) and various piles of debris associated with demolition activities. Buildings on the adjacent site to the west are currently occupied. The ground surface is covered in large part by the concrete floor slab

from previous on-site buildings and an asphalt access road. During The Phase I completed for this project, a site reconnaissance was performed. A description of the site based on that reconnaissance was contained in the Phase I and is provided below. The locations of the various features are shown on Figure 1-2.

#### Southwest Corner Area

Approximately 150-160, mostly metal and some cardboard 55-gallon drums are staged in the southwest corner of the property. Some of the drum contents were observed to contain graphite-like material. These drums were categorized and sampled by Roy F. Weston, Inc. - USEPA contractor - indicating low levels of various metals (refer to Section 1.2.3).

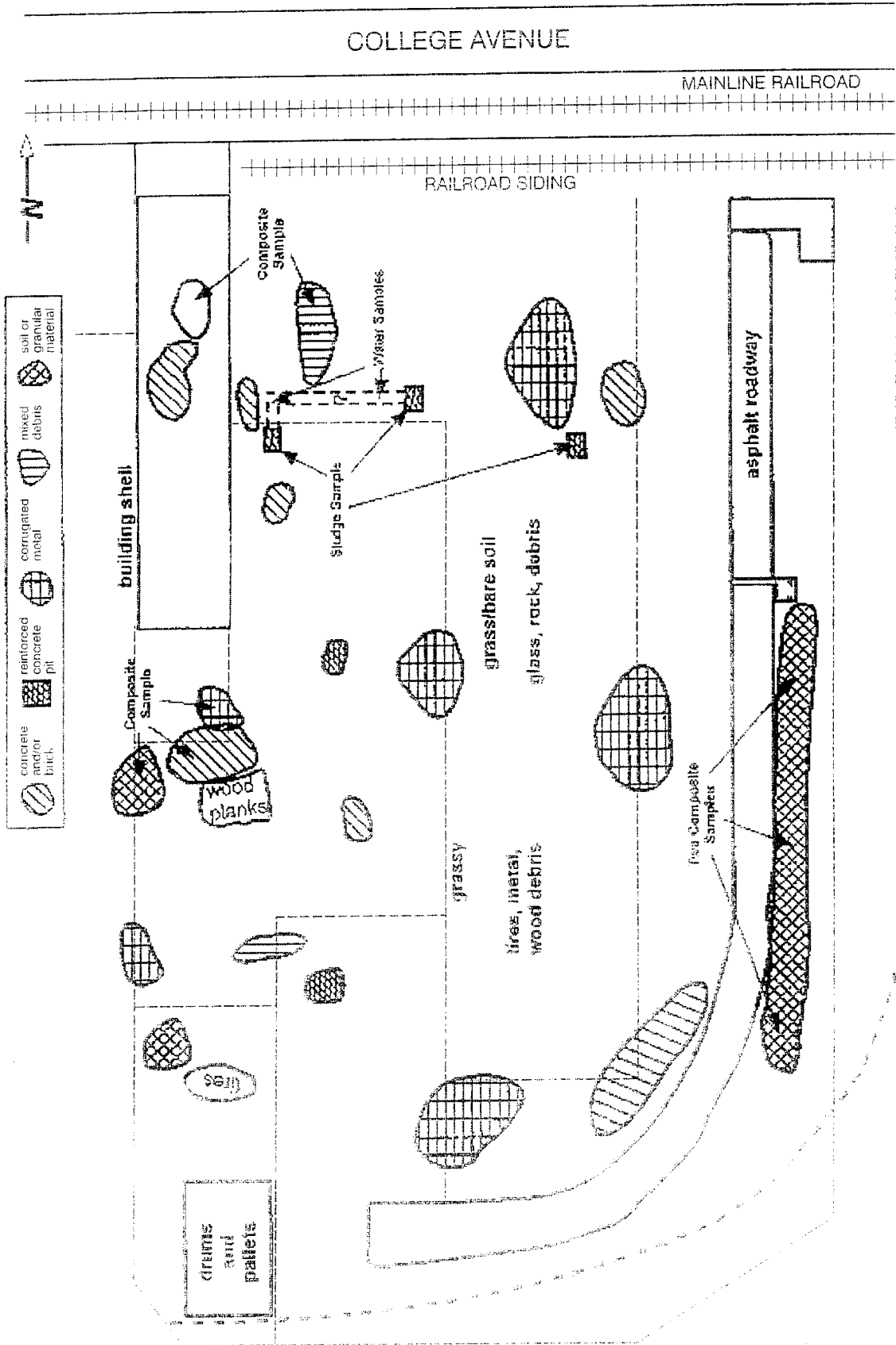
In addition to the drums, numerous 10-50 pound bags of Carborundum material were staged in the same area on wooden pallets. These materials appeared to be packaged for use as raw product or for distribution. Some of the packaging has deteriorated due to time and weather, causing materials to be spilled. There was at least three different types of bagged materials, all solid, and staged in this area. A large portion of the bagged material was labeled "RAMFRAX ST-3R RAMMING MIX". (Note: The USEPA is managing the sampling and disposal of the drums and bagged materials, as necessary.)

Just north of the drum area are a series of debris piles including a pile of truck tires and liners, a pile of concrete (possibly wall material), and a large pile of soil and black clinker brick/carbide material. A large water-filled pit is also located in this area. The pit is surrounded by large rectangular concrete blocks. There is some debris in the pit.

#### Southwest Center Area

Debris piles observed in this area included a large pile of corrugated metal roofing sheet and a pile of rebar-reinforced concrete slabs and wooden planks. A stack of concrete blocks/slabs are located in the center portion of this area.





HAZORB SITE - S/RAR - NIAGARA FALLS, NY  
EXISTING SITE CONDITIONS PLAN

FIGURE 1-2

### Building Shell

The remaining building onsite is a partially demolished, and consists of a slab-on-grade, concrete block, and metal frame, metal roof building. The south end of the structure is fairly clean with some concrete block debris. The north end of the building contains a wood brick floor. Various piles of debris including brick and concrete block, metal and plastic pipe are located in this end of the building. The building is attached at the northern end to a larger building complex located to the west. A rail spur runs along the northern part of the property. It enters the building from the east and terminates at a loading dock. The railroad bed is approximately 6-8 feet below the floor surface of the building.

Eight to ten large plastic wrapped cardboard boxes labeled "RAMFRAX MU-2RE Taphole Mix, Carborundum Co.", are staged/located in the northern portion of the building along with numerous large plastic canvas bags stacked on pallets. The large plastic bag containers are Bonar Industries, Inc., Intermediate Bulk Containers and are labeled "The Carborundum Company, New Cast Method NCM".

A few empty 55-gallon drums and a chemical tank trailer (~ 5,000 gal) located behind the building shell on the adjacent western property. A room located within the attached adjacent structure (not part of the subject property) is filled completely with tires. A review of historical property maps indicate that a UST may have been/be located along the southern wall of this building shell on the adjacent property. A few 55-gallon drums are also located in this area.

### Northwest Property Area

The northwest portion of the site includes the area immediately east and adjacent to the building described above. A series of debris piles are located in this area (described below) from north to south just outside the building shell. One rather large pile contains various weathered drums, black Carborundum Taphole/Cast material, empty bags (similar to those staged inside the building), brick, metal, and wood. A large pile of bricks and corrugated plastic sheets are located to the south of the previous pile. A series of water filled concrete channels (reportedly part of the grinding slurry collection system) are located just south of the brick pile. An oil sheen and an empty plastic quart container of motor oil was observed floating on the water. The channels are

constructed of metal and reinforced concrete. These channels appeared to be greater than 4 feet deep and possibly deeper. To the south of the channels and adjacent to the southern end of the structure is a debris pile consisting of concrete block, 1 crushed 55-gallon drum, corrugated metal, and black tar material. A concrete pit approximately 10 ft by 8 ft is located south of the previously described pile. This pit has above grade concrete walls and an interior concrete wall which divides the pit. An approximately 6-inch diameter green plastic pipe enters the pit subgrade from the adjacent structure.

### North Center Property Area

A water filled, metal lined concrete channel appears to run due east from the building and ends in an open black-stained concrete pit in this area of the property. The concrete appeared to be at least 5-6 ft thick in this area. This channel may be connected to the channel observed near the structure. A large corrugated metal debris pile also was observed in this area. Some metal pipe was intermingled with the corrugated metal debris. A small amount of asbestos-like insulation material was observed on one of the pipes. To the east of the metal pile is a pile of concrete and brick. A small concrete lined pit is located just south of these two debris piles. The pit is dry and contains some debris.

### North Property Area

The railroad spur runs along the northern portion of the property from east to west and terminates inside the remaining building. A fence and brick wall separate the railspur and property from College Avenue.

## Northeast Property: Area

A solar furnace unit is located in the northern corner of the property. An abandoned construction trailer is located further east and outside the property area. This trailer was empty and open. Posted signs within the trailer indicate that it was used during associated mineral operations possibly when the buildings were being demolished.

The concrete pad which covers this portion of the site surface ends at an approximately 22 ft wide asphalt access road. This road runs north-south along the property's eastern border and turns west at the southeast corner of the property. A grassy/stone strip is located east of the road. A metal fence located along the eastern perimeter separates this portion of the property from the adjacent property to the east. The remnants of a possible gravel/dirt access road was observed along the fence line.

An approximately 8x12 ft concrete pad is located on the east side of the access road. Eight, 3-inch diameter pipes stick up through the concrete. These appear to be electrical conduits, although they may be associated with an underground tank. Based on the alignment of the pipes (grouped in a close arrangement in two ends of the pad), it is likely that this pad was used for electrical equipment. Additionally, a concrete pad connects the former building floor slab with the pad.

#### Center Eastern Property Area

A large elongated mound approximately 15 ft high and 265 ft long, located east of the access road dominates this portion of the property. The mound extends from the east central portion of the property to the southeast corner. The mound consists of soil, black carbon material, large square blocks/chunks of carbon-like material, as well as other trash and miscellaneous items such as pink colored concrete rings, wood and wooden pallets, concrete block and reinforced concrete, metal piles and containers, metal drum lids, large sanding pads, etc.

#### Center Property Area

A grassy/bare soil area is located within the center portion of the property corresponding to areas that did not previously contain structures. Various types of debris including, small pieces of glass, rock, black gritty material, brick, wood, tar, tires, as well as half full and empty bags of cast material are scattered across the surface of this area. Corrugated metal debris piles are located to the east and west of the center portion of the property.

#### Southeast Corner

Two large piles and miscellaneous other debris are located in the southeast corner of the property.

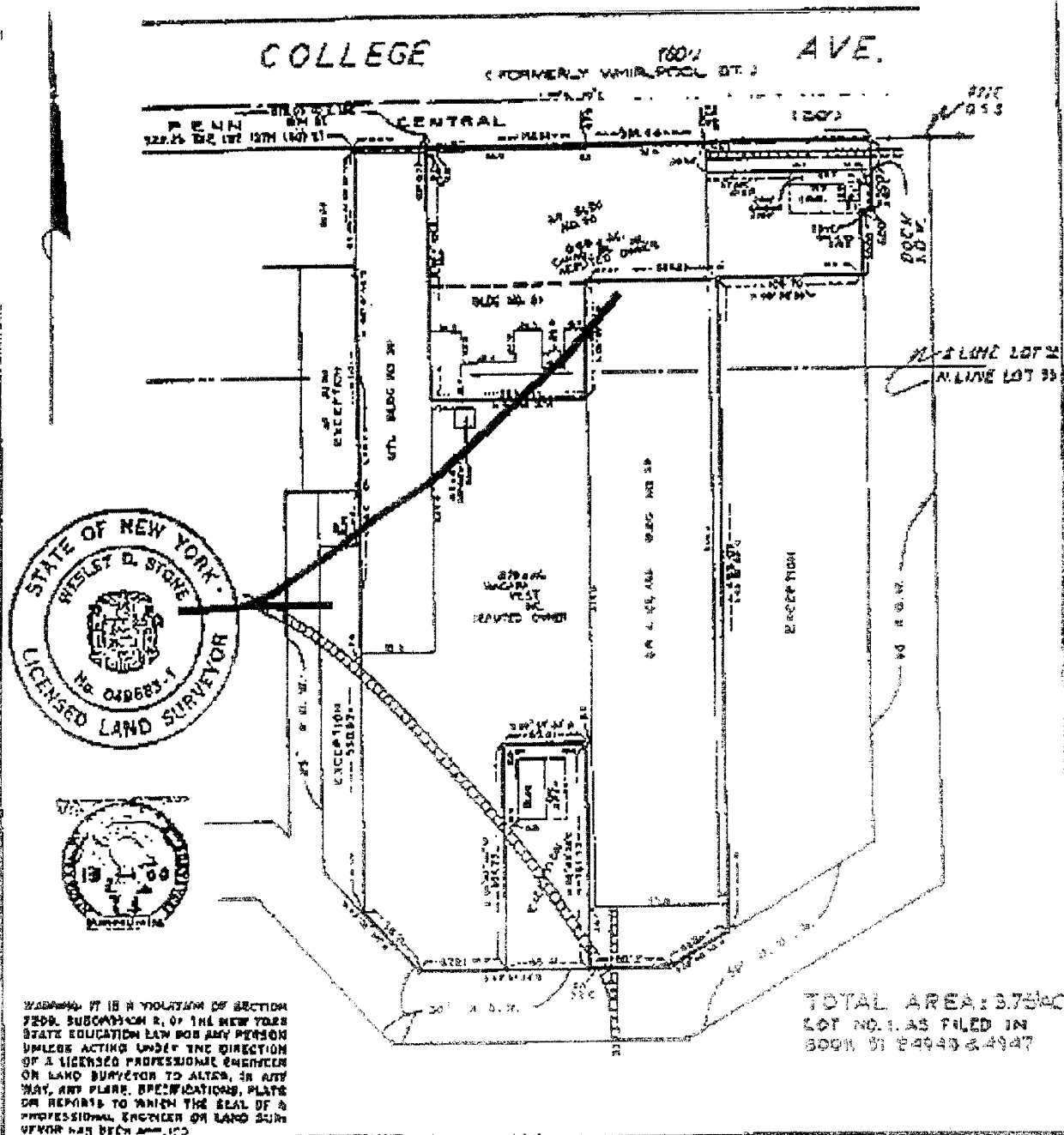
Debris in this area includes corrugated metal, concrete slabs, pea gravel size black carbon, as well as a pile of soil and crushed and partially crushed/ partially full 55-gallon drums. The material in these drums and within the pile appeared to be a solid ash/gritty material similar to the material observed in other areas of the property associated with drums and bags.

#### South Center Property Area

An access road and perimeter fence run along the southern border of the property. A large pile of corrugated metal is located in this portion of the property. Four reinforced concrete pillars about three feet high form a square. These may have been associated with a former structure in this area. An area of approximately 12x12 ft is contained within these pillars and black/soot material was present on the ground within this square.

#### **1.2.2 Site History**

According to building records a steel and corrugated metal factory building was constructed on College Avenue in 1919. Information supplied by the City, however, indicates that National Carbon Company first occupied the site in 1910. The subject parcel was part of a larger heavy industrial manufacturing complex that originally produced carbon electrodes. National Carbon changed its name to Union Carbide Corp., Carbon Products Division in 1963 and to UCAR Carbon Company, Inc., in 1989. Further information supplied by the City indicates that this facility manufactured coal-based carbon products which were used by alloy reduction smelters. Products manufactured included specialty machined graphite, carbon liners, cathode blocks, and electrodes for furnacing. Waste products included carbonaceous waste and dusts, fire brick, and raw materials (City of Niagara Falls, *SVRAR*, *Hazorb Site Request for Proposals*, December 7, 1998). The property was sold to Niagara Vest, Inc. in 1986 who subdivided the facility and sold portions to individual businesses including Eastern Ohio Paving, Inc./Hazorb, Inc. The majority of the original onsite buildings (Figure 1-8) were recently demolished and only a portion of the westernmost building is still standing. The remainder of the property consists of a wide variety of demolition debris located in various piles. Most piles have been segregated by debris type (i.e. brick, metal, etc.).



**BISSELL**

BISSELL, STONE ASSOCIATES  
ENGINEERING AND LAND SURVEYING, P.C.  
CIVIL ENGINEERING, LAND SURVEYING  
SITE PLANNING CONSULTING  
BUFFALO - WESTERN NEW YORK

DATE 5-21-90	JOB NO. 44372 S.	FIELD BOOK 386/58	SCALE 1"=100'
RE-SURVEYED:			
SURVEY OF PART OF LOT 32 & 33 SECT. _____ TWP. _____ RANGE _____			
CITY OF NIAGARA FALLS NIAGARA CO., NY - MILE RESERVATION			

**URS**

HAZORB SITE - S/RAR - NIAGARA FALLS, NY  
HISTORICAL SITE MAP

FIGURE 1-3

Reportedly, the building that has most recently been demolished at the site was the Bulk Baking building. The carbon was baked using several ring furnaces that were constructed in the 1920s and continued operation into the 1970s. These ovens were in pits (i.e., below grade) and were initially powered by an on-site gas producer. The gas producer was located on the west side of the property and burned coal to produce gas which was then fed to the ring ovens. In later years, the ovens were fueled by commercial natural gas. The building that remains on the site was part of the machining area. The concrete pad on the north side of the property was the floor of the shipping building. Finished products were loaded onto railroad cars and/or trucks at this location. The property was sold to Niagara Vest in 1986 and manufacturing continued. Niagara Vest reportedly produced metal bricks that also included silicon carbide as an ingredient. The City of Niagara Falls foreclosed on the property in 1996 and 1998.

#### 1.2.3 Previous Investigations

The drums located in the southwest corner of the property were sampled by Roy F. Weston, Inc. (USEPA contractor) on November 11-12, 1998. A total of 158 drums were identified by the EPA, 107 of which were sampled. The remaining drums (51) were unable to be opened due to their deteriorated and rusted condition. The majority of the materials in the drums consisted of a solid gray to gray black material. Two drums of liquid were identified; one consisting of a clear, viscous liquid and the other consisting of a yellow, oily liquid. Eight composite solid samples were analyzed for TCL, RCRA analysis, TCLP analysis and Cyanide on two samples only. Two liquid samples were analyzed for TCL and RCRA Analysis. One of these samples also was analyzed for TCLP. Field testing of the two liquids were performed using field testing kits. Since sample results are still preliminary and have not been validated, conclusive statements about the findings can not be made. It appears from the preliminary data that the materials contain low levels of various heavy metals. In any case, sampling and disposal, as necessary, is being managed by the USEPA, and is not part of this investigation.

Other than the Phase I conducted as part of this SI/RIAR, PEI/URS is unaware of any other investigations conducted on the property.

### **1.3 Report Organization**

This report is divided into seven main sections:

Section 1.0 provides an introduction to the project.

Section 2.0 presents a summary of the site investigation activities.

Section 3.0 provides a physical description of the site.

Section 4.0 discusses the nature and extent of contamination.

Section 5.0 discusses remedial alternatives.

Section 6.0 provides a detailed analysis of alternatives.

Section 7.0 presents a summary and conclusions.

Appendix A contains the Phase I Environmental Site Assessment Report, Appendix B contains the test pit logs, Appendix C contains the laboratory analytical data, and Appendix D contains the Data Usability Summary Report (DUSR).



## **2.0 SITE INVESTIGATION**

### **2.1 Introduction**

Site investigation activities at the Hazorb site consisted of several tasks including:

- Observation of current land-use within 0.5 miles of the site;
- Identification of known environmental problems within 1 mile of the site;
- Review of information regarding past uses of the site and adjacent properties;
- Review of historic information
- Walkover reconnaissance of the property;
- Review of records at federal, state, and local agencies;
- Collection of subsurface soil samples,
- Collection of composite samples from specific debris piles,
- Collection of composite samples from 4-5 of the large shipping bags observed both inside and outside the building,
- Collection of sludge/sediment samples from one of the onsite pits,
- Collection of surface water samples from accumulated water within three pits,
- Collection of a groundwater.
- Laboratory testing of samples.

All field activities were conducted in accordance with the USEPA and NYSDEC approved procedures.

### **2.2 Records Search**

In order to assess whether or not the Hazorb site or adjacent properties have posed any environmental hazard in the past, or currently pose such a threat, a Phase I environmental site assessment (ESA) was performed by PEI under subcontract to URS. Initially, local, state, and federal records were identified, data base searches were conducted, and the information reviewed.

Research was also conducted at City and Niagara County offices to obtain information on the site which included:

- Acquisition and review of aerial photographs of the site and adjacent land to assess property uses;
- Acquisition and review of available City records and documents regarding the site and adjacent land;
- Interviews with various local government agencies representatives to identify information about the property and/or other potential areas of concern.

A report entitled "SI/RAR Scoping Plan Phase I Environmental Site Assessment, Hazorb Site, City of Niagara Falls, Niagara County, New York" (PEI, May 1999) summarizes the findings and is presented in Appendix A. Some of this information is also summarized throughout this report.

### **2.3 Site Investigation Sampling**

A site investigation was conducted at the property on May 16, 2000 and May 25, 2000. Sampling included Geoprobe subsurface soil sampling, the collection and analysis of composite samples from specific debris piles, composite samples from 4-5 of the large shipping bags observed both inside and outside the building, sludge/sediment sampling, and surface water samples from accumulated water within pits. Samples were analyzed for TCL organic compounds (volatiles and semi-volatiles) and RCRA metals. A groundwater sample was also collected from one soil boring and analyzed for TCL VOCs.

#### **2.3.1 Subsurface Soil Investigation**

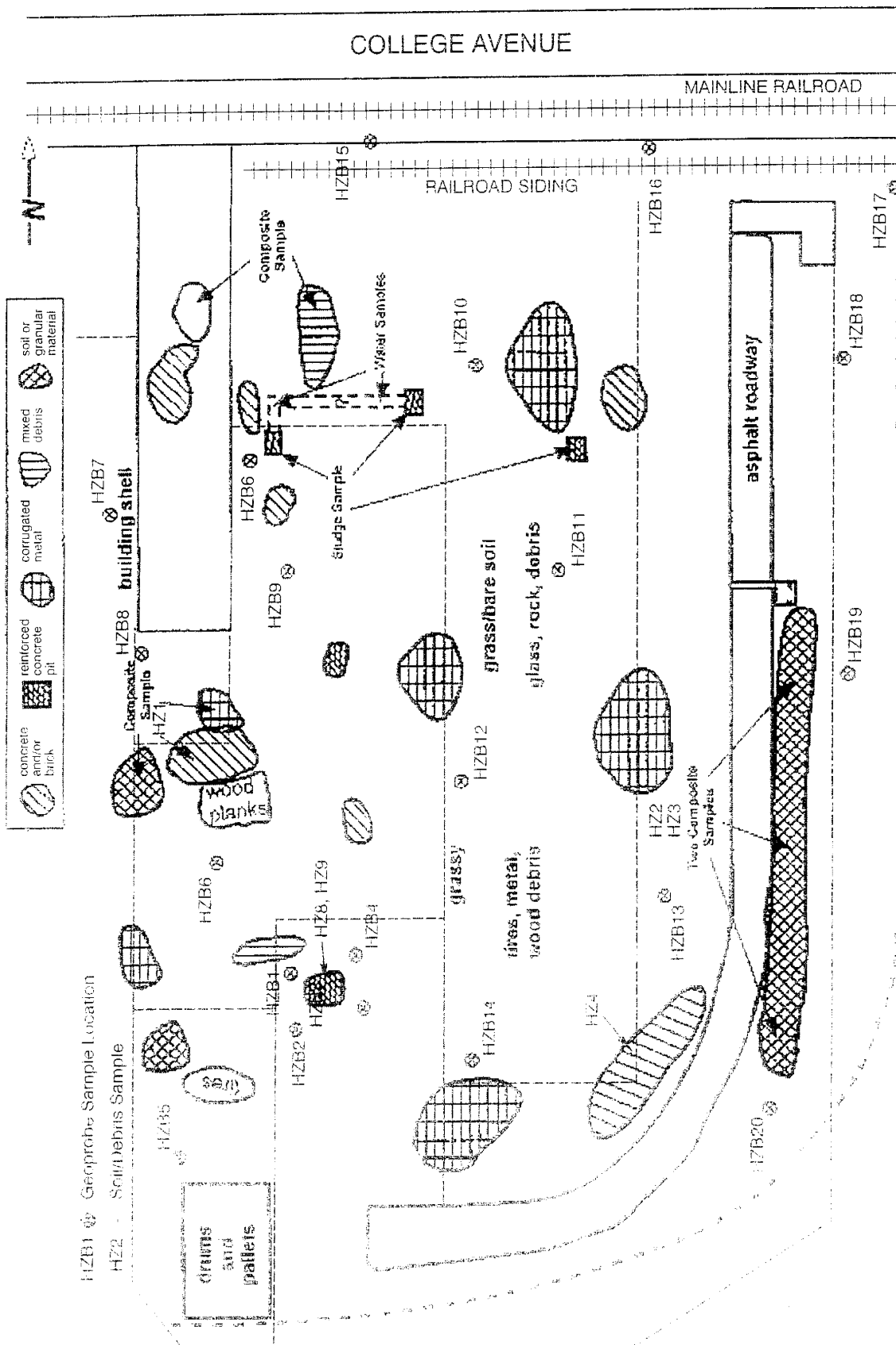
Subsurface soils were investigated on May 16, 2000, using a track mounted Geoprobe 5400T to advance borings utilizing a 2-inch diameter, 4-foot long macro core at various locations at the site. Prior to performing the subsurface soil investigation, the Underground Facilities Protection Organization was contacted to identify and mark locations of subsurface utilities present

at or near the site. A total of 20 borings (HQB-1 to HQB-20) were installed at the approximate locations shown on Figure 2-1.

The field work was performed by URS/PEI and Zebra Environmental Corp. during a one day period. Borings were advanced to an average depth of 4 feet below ground surface using a fully equipped track-mounted Geoprobe<sup>7</sup> unit which employs direct push technology. The first boring was advanced to 8 feet and established that a clay unit was encountered at approximately 5 feet. Borings HQB-18 and -19, advanced along the eastern portion of the property, were also advanced to 8 feet since fill materials were deeper in this area. Continuous soil sampling was performed using Macro Core soil samplers measuring 44 inches in length and 12 inches in diameter equipped with acetate liners. A total of twenty-four(24) Macro Cores were obtained. The samplers used were fitted with a new acetate liner prior to collection of each sample.

Soil from each boring was visually described and screened using an organic vapor analyzer (HNU PI-101 with a 10.2 eV Lamp). Stratification of material in the borings and observations were noted on boring logs (Appendix B). All sampling tools were cleaned with Alconox, double rinsed with tap water and rinsed with distilled water between sample collection points. All soil borings were backfilled with native soil prior to leaving the property.

Special attention was given to areas near the old gas plant and the former underground storage tank (UST) location shown on historical maps (refer to figure2-1). A grab sample was collected in each boring from the subsurface fill interval that exhibited staining and/or the highest elevated level of volatile organic vapors. A total of three composite subsurface soil samples were prepared from the discrete soil samples collected from the borings as follows: one composite sample was formed from borings HQB-01 to HQB-08 near the gas plant area and in the western portion of the property (Composite sample HQB-1), one composite soil sample was formed from borings HQB-09 to HQB-14 in the central portion of the property (HQB-2), and one composite sample was formed from borings HQB-15 to HQB-20 along the eastern portion of the property (HQB-3). Each soil sample was placed in pre-cleaned, labeled sample containers.



These samples were submitted to Friend Laboratory and analyzed for TCL semivolatile organic compounds (SVOC), TCL pesticides/polychlorinated biphenyls (PCB), and RCRA (8) metals analyses. Aliquots of the discrete soil samples collected from probe locations HZB-15 and -18 which exhibited odors also were submitted for TCL volatile organic analysis (VOC).

Screening of the soils from most of the boreholes with a photoionization detector (PID) indicated that there were no volatile organic vapors present in borings HZB-1 through -11. The PID was not functioning for boreholes HZB-12 through -20 due to high moisture conditions. A strong creosote odor was observed in boring HZB-15 within the first foot of the boring and an acrid odor was observed in boring HZB-18 between 1 and 7 feet.

### **2.3.2 Debris Piles Investigation**

A total of six composite samples (HZ-01 to HZ-06) were collected, five from distinct debris piles and one from shipping bags (Figure 2-1). Composite sample HZ-01 was collected from three adjacent debris piles in the western portion of the property. Samples HZ-02 and HZ-03 were collected from the large soil/debris pile along the eastern portion of the property. Composite sample HZ-04 was collected from the debris pile located in the southeastern portion of the property and sample HZ-06 was collected from a debris pile located near the southeast corner of the building shell. Composite sample HZ-05 was collected from shipping bags located in the northern end of the building shell and a debris pile which contained broken shipping bags located just outside the northeastern end of the building shell. These samples were submitted to Friend Laboratory and analyzed for TCL SVOC, TCL PCB, and RCRA (8) metals analyses.

Discrete samples were collected from a depth of 0-3 feet from 4-5 locations within each debris pile using a stainless-steel hand auger (bucket type). Samples from these auger holes were placed in a pre-cleaned stainless steel bowl, homogenized, composited into one (1) analytical sample, and placed in appropriate clean sample containers. All samples were placed in a cooler at 4°C.

### **2.3.3 Groundwater**

One groundwater sample was collected from boring HZB-18 by collecting water which accumulated in the bottom of the boring (approximate depth of about 7 ft.).

### **2.3.4 Surface Water/Sludge**

One sludge sample (HZ-8) was collected from the pit located in the southwest portion of the property. The pit was surrounded by large concrete blocks and was possibly associated with the former gas producer. No other pits contained enough sediment to sample. This sample was analyzed for TCL SVOCs, pesticides, PCBs and RCRA metals.

Three surface water samples (HZ-6A, 6B and 9) were collected from the pits and concrete runs/channels identified above (Figure 2-1). These samples were collected directly into sample containers and were analyzed for TCL VOCs, SVOCs, PEST/PCBs and RCRA metals, plus cyanide.

### 3.0 PHYSICAL CHARACTERISTICS OF THE STUDY AREA

#### 3.1 Introduction

This section presents a summary of the physical characteristics of the site. A more detailed discussion of the physical characteristics is presented in Section 1.2.1 and in the Phase I ESA in Appendix A.

#### 3.2 Surface Features

Property surface features and drainage were determined through a combination of site reconnaissance and a review of both aerial photographs and topographic maps. The approximately 5.22-acre vacant property is generally flat and slopes slightly from north, northwest to south and southwest. Surface drainage is most likely laterally in all directions on the concrete pad, towards on-site low spots, and water filled channels/pits. The water filled pits most likely contain a combination of surface and groundwater. In general, surface drainage likely follows the surface topography and flows from north to south-southwest.

The property is fenced and contains a partially demolished building and numerous debris piles as described in preceding sections. The numerous debris piles are the dominant surface features across the site. The ground surface consists primarily of the concrete floor slab from previous on-site buildings and an asphalt access road.

The adjacent property east of the site is vacant while the adjacent property south of the site is occupied by UCAR Carbon. The contiguous property to the west is owned by George Wolf. Treibacher-Schleifmühl uses part of the larger structure for raw material processing. College Avenue and railroad tracks are located immediately north of the property. Properties directly north of College Avenue are Glass Manufacturing, Inc. and Treibacher-Schleifmühl.

#### 3.3 Geology/Hydrogeology

The United States Department of Agriculture (USDA) Soil Conservation Service *Soil Survey of Niagara County, New York* (1972) lists the site area as outside the limit of the doubled

soil survey. However, nearby soils are described as part of the Churchville and Odessa Series. These soil series are described as deep, somewhat poorly drained and moderately to medium-textured soils. They are described as level to gently sloping and contain lacustrine and calcareous as dominate soil types. Although not listed as such in the soil survey, based on the prior use of this property, the area can also be described as Urban land which is defined as nearly level urbanized areas and areas of well drained to poorly drained soils and disturbed soils. Due to the history of this site and based on visual observations, it is obvious that the original soils are overlain by various types of fill and/or have been reworked to accommodate the past industrial use of the property.

The soils of the area were formed in glacial material that were deposited during the ice age. Subsurface soils are made up of lake silt, sand and clay deposits from glacial/post-glacial ancestral lakes. The principal bedrock formations are Queenston shale, Lockport dolomitic limestone, and Rochester shale. Local shallow groundwater flow will be influenced by subsurface foundations associated with the industrial use. However, general groundwater flow will be westerly toward, and controlled by the nearby Niagara River.

Results of the borings advanced during the site investigation are provided on the boring logs in Appendix B. Fill materials consisting of black/brown silty to fine sand with some gravel mixed with industrial and demolition debris (i.e., carbon, concrete, brick and fire brick, glass, metal, wood, etc.) were encountered across the site to a maximum depth of 7 feet, although they typically averaged 0.5-6 feet. In some borings clay backfill was observed between 1.5 and 3.6 feet. In general, the fill materials were underlain by clay typically encountered at approximately 4-6 feet which was described as brown clay with some silt and trace gravel to a depth of 8 feet, or more. In one boring (HZB-11), bedrock (Dolostone) was observed at 5.5 feet. All borings were terminated in the clay unit at depths ranging from 4 to 8 feet. Wet soils were encountered at approximately 1.5-4 feet in most borings.

#### 3.4 Demography and Land Use

The property and immediate surrounding properties appear to have been used for commercial purposes since the early 1900's. Title and tax assessor information, historical information obtained from a search of City Directories and information from former employees



indicate that the property was owned by the Hydraulic Power Company who sold it to the National Carbon Company in 1918. According to building records, a steel and corrugated metal factory building was constructed on College Avenue in 1919. Information supplied by the City, however, indicates that National Carbon Company first occupied the site in 1910.

The subject parcel was part of a larger heavy industrial manufacturing complex that originally manufactured carbon electrodes. National Carbon changed its name to Union Carbide Corp., Carbon Products Division in 1963 and to UCAR Carbon Company, Inc., in 1989. Further information supplied by the City indicates that this facility manufactured coal-based carbon products which were used by alloy reduction smelters. Products manufactured included specialty machined graphite, carbon liners, cathode blocks, and electrodes for furnacing. Waste products included carbonaceous waste and dusts, fire brick, and raw materials. The property was sold to Niagara Vest, Inc. In 1986 who subdivided the facility and sold portions to individual businesses including Eastern Ohio Paving, Inc./Hazorb, Inc. The City foreclosed on the property in 1996 and 1998 for taxes.

Historical aerial photographs of the subject property and vicinity for the years 1938, 1951, 1958, 1966, 1977, and 1991 were reviewed for the Phase I Environmental Assessment. These aerial photographs indicate that site activity appears to progress from 1938 through 1951 to 1977. The 1991 aerial shows less site activity.

The 1938 aerial shows the manufacturing complex to be at a much smaller scale than later years and the two demolished buildings were not yet built. By 1951 all the former structures are visible. An active rail spur is visible entering from College Avenue and running along the eastern boundary. What appears to be numerous mounded areas are visible along this rail spur. The 1966 and 1977 aerial photographs show that most of the available space along the eastern portion of the property and between the on-site structures contains mounded or stored materials or shipping containers. By 1991 these items appear to be gone, however, an old building structure is still present indicating that demolition occurred after this date.

## 4.0 NATURE AND EXTENT OF CONTAMINATION

### 4.1 Introduction

This section discusses the results of the site investigation activities, and in particular the nature and extent of contaminants in the media investigated.

### 4.2 Potential Sources

Results of the Phase I ESA and site investigation revealed several potential sources of contamination on or in the vicinity of the site. These include:

- A number of industrial facilities, including RCRA, CERCLA and State landfill sites and petroleum storage facilities are located in the general vicinity of this property as well as several Leaking Underground Storage Tank (LUST) sites. Groundwater in the general area has potentially been contaminated by these sites as well as other past industrial activities in the area.
- Historic use of the site to manufacture silicon carbide electrodes. Products manufactured included specialty machined graphite, carbon liners, cathode blocks, and electrodes for furnacing using coal based carbon.
- Other companies, including a paving company, used portions of the property prior to the City retaining title.
- Reportedly gas was originally produced onsite by an on-site gas producer.
- Some of the former buildings have been demolished/partially demolished and various debris piles exist on the property and soils/fill materials have over time been used to re-grade the site.

- Numerous soil/sand/carbon mounds and bags of product/raw materials are located on-site. Much of this material seems to have been distributed across the property.
- Contaminated fill materials may have been used at the property which was typical in urban/industrial areas.

The results of the investigations associated with each of these items are discussed in the following sections.

#### 4.3 Soils

Soil samples collected from the site were submitted for TCL VOC, TCL SVOC, TCL Pesticides/PCB, RCRA metals (arsenic, barium, cadmium, chromium, lead, mercury, selenium and silver). The results of these analyses are discussed below. Table 1 presents a summary of the organic compounds and inorganic analytes which were detected in the subsurface soil samples.

Samples were analyzed in accordance with NYSDEC Analytical Services Protocol (ASP), 10/95 edition. All resulting data (Appendix C) were reviewed by a URS quality assurance chemist and a data usability summary report (DUSR) prepared (Appendix D). Values which are not detected are listed as "ND". Values which are listed with no qualifiers are accepted as real values. Additionally, some of the reported concentration data is qualified due to QC outliers associated with the data. Qualifiers are listed along with the reported values in the summary tables.

The results of the subsurface soil sample analyses (Table1) subsequently were compared to the NYSDEC TAGM-4046 recommended soil cleanup objectives. Results indicated that subsurface soils are contaminated with PAH compounds at concentrations that exceed the NYSDEC guidelines. Levels of PAHs appear to be higher in the soils from the center of the property which made up composite sample HZB-02. Only one metal, mercury, was detected at levels which exceeded the objective criteria and this was found in sample HZB-02. All remaining detected organic compounds and inorganic analytes were at levels below the objective criteria.

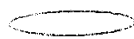
**TABLE 1**  
**SUMMARY OF DETECTED SAMPLE ANALYTICAL RESULTS**  
**HAZORB**

Location ID				HZ-01	HZ-02	HZ-03	HZ-04	HZ-05
Sample ID				HZ-01	HZ-02	HZ-03	HZ-04	HZ-05
Matrix				Debris	Debris	Debris	Debris	Debris
Depth Interval (ft.)				0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0
Date Sampled				05/16/00	05/16/00	05/16/00	05/16/00	05/16/00
Parameter	Units	Criteria (1)	Criteria (2)					
Volatile Organic Analytes								
Acetone	UG/KG	200	-	NA	NA	NA	NA	NA
Methylene chloride	UG/KG	100	7.60E+05	NA	NA	NA	NA	NA
Semivolatile Organic Analytes								
Phenol	UG/KG	30 or MDL	1.20E+09				5700	
2-Methylphenol	UG/KG	100 or MDL	1.00E+08				260 J	
3&4-Methylphenol	UG/KG	-	-				610	
Naphthalene	UG/KG	13000	4.10E+07		1300	480	1800	
2-Methylnaphthalene	UG/KG	36400	4.10E+07		1600	490 J	2500	
Acenaphthylene	UG/KG	41000	-					
Acenaphthene	UG/KG	50000	1.20E+08			200 J	560	
Dibenzofuran	UG/KG	6200	8.20E+06		400		710	
Fluorene	UG/KG	50000	8.20E+07				410	
Phenanthrene	UG/KG	50000	-	1000	1700	1500	4100	
Anthracene	UG/KG	50000	6.10E+08	180 J	250 J	320	900	
Carbazole	UG/KG	-	2.90E+05			200 J	460	
di-n-Butylphthalate	UG/KG	8100	2.00E+08				210 J	
Fluoranthene	UG/KG	50000	8.20E+07	1600	1200	2300	4200	
Pyrene	UG/KG	50000	6.10E+07	1600	1300	2700	7800	
Benzo(a)anthracene	UG/KG	224 or MDL	7800	750	780	1800	3200	
Chrysene	UG/KG	400	7.80E+05	1000	1200	2400	3600	
bis(2-Ethylhexyl)phthalate	UG/KG	50000	4.10E+05				4700	

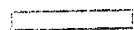
Criteria (1) - HUDSD T4GK: Determination of Soil Cleanup Objectives and Cleanup Levels (H/SP-114) of January 28, 1994. (Revised)

Criteria (2) - USEPA Region III Risk-Based Concentration (RBC) Table, Industrial soil criteria, 4/12/80

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria 1



Concentration Exceeds Criteria 2

- Background levels for lead vary widely. Typical metropolitan or suburban levels range between 200-600 ppm (USEPA Interim Lead Guidelines, 1994)

NA - Not Analyzed

Only Detected Results Reported.

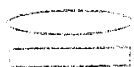
**TABLE 1**  
**SUMMARY OF DETECTED SAMPLE ANALYTICAL RESULTS**  
**HAZORB**

Location ID				HZ-01	HZ-02	HZ-03	HZ-04	HZ-05
Sample ID				HZ-01	HZ-02	HZ-03	HZ-04	HZ-05
Matrix				Debris	Debris	Debris	Debris	Debris
Depth Interval (ft.)				0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0
Date Sampled				05/16/00	05/16/00	05/16/00	05/16/00	05/16/00
Parameter	Units	Criteria (1)	Criteria (2)					
<b>Semivolatile Organic Analytes</b>								
Benzo(b)fluoranthene	UG/KG	1100	7800	1200	1100 J	4300 J	5200 J	
Benzo(k)fluoranthene	UG/KG	1100	78000	450	420 J	1500 J	2200 J	
Benzo(a)pyrene	UG/KG	61 or MDL	790	650	730 J	2600 J	3700 J	
Indeno(1,2,3-cd)pyrene	UG/KG	3200	7800	260 J	350 J	1500 J	2300 J	
Dibenz(a,h)anthracene	UG/KG	14 or MDL	780			330 J		
Benzo(g,h,i)perylene	UG/KG	50000	-	250 J	410 J	1700 J	2300 J	
<b>Metals</b>								
Arsenic	MG/KG	7.5 or SB	3.8	14				
Barium	MG/KG	300 or SB	1.40E+05	87.8	40.9	66.3	44.8	8.06
Cadmium	MG/KG	1	2000			3.3		
Chromium	MG/KG	10	3.10E+06	31.1	14.2	38.5	17.2	16
Lead	MG/KG	400 *	-	17.4	12.1	32.5	35.1	5.48
Mercury	MG/KG	0.1	-	1.3	0.073			

Criteria (1) - USEPA Region III Concentration of Soil Organic Compounds and Elements (SW-846) (40 CFR 319.10)

Criteria (2) - USEPA Region III Risk-Based Concentration (RBC) Table, Industrial Compounds (40 CFR)

Flags assigned during chemistry validation are shown:



Concentration Exceeds Criteria 1

Concentration Exceeds Criteria 2

\* - Background levels for lead vary widely. Typical metropolitan or suburban levels range between 200-800 mg/kg (USEPA minimum Lead Guidance, 1994)

NA - Not Analyzed

Only Detected Results Reported.

HAZORB Analytical Services  
 10000 100th Avenue  
 Greenwood, CO 80045  
 (303) 761-1111  
 FAX: (303) 761-1111

**TABLE 1**  
**SUMMARY OF DETECTED SAMPLE ANALYTICAL RESULTS**  
**HAZORB**

Location ID				HZ-06	HZ-08	HZB-01	HZB-02	HZB-03
Sample ID				HZ-06	HZ-08	HZB-01	HZB-02	HZB-03
Matrix				Debris	Sediment	Soil/Fill	Soil/Fill	Soil/Fill
Depth Interval (ft.)				0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0
Date Sampled				05/16/00	05/16/00	05/16/00	05/16/00	05/16/00
Parameter	Units	Criteria (1)	Criteria (2)					
<b>Volatile Organic Analytes</b>								
Acetone	UG/KG	200	-	NA	NA	8 J		
Methylene chloride	UG/KG	100	7.60E+05	NA	NA	12 J		
<b>Semivolatile Organic Analytes</b>								
Phenol	UG/KG	30 or MDL	1.20E+09	37000				
2-Methylphenol	UG/KG	100 or MDL	1.00E+08					
3&4-Methylphenol	UG/KG	-	-				840 J	
Naphthalene	UG/KG	13000	4.10E+07		15000 J	300 J	3100 J	1600
2-Methylnaphthalene	UG/KG	36400	4.10E+07		4100 J	250 J	1600 J	620 J
Acenaphthylene	UG/KG	41000	-				620 J	
Acenaphthene	UG/KG	50000	1.20E+08	14000	16000 J	150 J	6200	3300
Dibenzofuran	UG/KG	6200	8.20E+06		11000 J	130 J	3400	1500
Fluorene	UG/KG	50000	8.20E+07		19000	160 J	6300	2200
Phenanthrene	UG/KG	50000	-	37000	130000	1200	61000 D	19000
Anthracene	UG/KG	50000	6.10E+08	9500 J	35000	270 J	15000	5200
Carbazole	UG/KG	-	2.90E+05	8000 J	20000		7500	3500
di-n-Butylphthalate	UG/KG	8100	2.00E+08					
Fluoranthene	UG/KG	50000	8.20E+07	87000	140000	1900	68000 D	40000 D
Pyrene	UG/KG	50000	6.10E+07	110000	130000	2300	86000 D	38000 D
Benzo(a)anthracene	UG/KG	224 or MDL	7800	93000	63000	1200	53000 D	23000
Chrysene	UG/KG	400	7.90E+05	120000	62000	1500	53000 D	34000 D
bis(2-Ethylhexyl)phthalate	UG/KG	50000	4.10E+05					

Figure 1 - USEPA (1994) Determination of Soil Cleanup Outcomes and Cleanup Levels (HWP 54-404, version 2, 1994). (Revised)

Criteria (2) - USEPA Region III Risk-Based Concentration (RBC) Table, Industrial soil criteria, < 13,000

Flags assigned during chemistry validation are shown:



Concentration Exceeds Criteria 1

Concentration Exceeds Criteria 2

- Background levels for lead vary widely. Typical metropolitan or suburban levels range between 200-400 ppm (USEPA Airborne Lead Guidelines, 1994)

NA - Not Analyzed

Only Detected Results Reported.

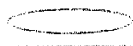
**TABLE 1**  
**SUMMARY OF DETECTED SAMPLE ANALYTICAL RESULTS**  
**HAZORB**

Location ID				HZ-06	HZ-08	HZB-01	HZB-02	HZB-03
Sample ID				HZ-06	HZ-08	HZB-01	HZB-02	HZB-03
Matrix				Debris	Sediment	Soil/Fill	Soil/Fill	Soil/Fill
Depth Interval (ft.)				0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0
Date Sampled				05/16/00	05/16/00	05/16/00	05/16/00	05/16/00
Parameter	Units	Criteria (1)	Criteria (2)					
<b>Semivolatile Organic Analytes</b>								
Benzo(b)fluoranthene	UG/KG	1100	7500	220000 J	77000	2900	73000 D	34000 D
Benzo(k)fluoranthene	UG/KG	1100	75000	92000 J	40000	1500	21000 J	8700 J
Benzo(a)pyrene	UG/KG	51 or MDL	750	170000 J	55000	1100	53000 D	19000 J
Indeno(1,2,3-cd)pyrene	UG/KG	3200	7500	97000 J	30000	1300	42000 D	14000 J
Dibenz(a,h)anthracene	UG/KG	14 or MDL	750		8700 J	280 J	6600 J	3000 J
Benzo(g,h,i)perylene	UG/KG	50000	-	99000 J	33000	1300	39000 D	13000 J
<b>Metals</b>								
Arsenic	MG/KG	7.5 or SB	3.8					
Barium	MG/KG	300 or SB	1.40E+05	16.7	120	35.7	33.2	106
Cadmium	MG/KG	1	2000		1.52		1.41	
Chromium	MG/KG	10	3.10E+06	24.7	56.8	28.3	44.7	24.4
Lead	MG/KG	400 *	-	18	478	68.6	128	40.4
Mercury	MG/KG	0.1	-		0.02	0.026	2.7	0.028

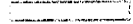
Criteria (1) - USEPA Region II Risk-Based Concentration (RBC) Table, industrial site criteria, HZ-06/HZ-08/HZB-01/HZB-02/HZB-03

Criteria (2) - USEPA Region II Risk-Based Concentration (RBC) Table, industrial site criteria, HZ-06/HZ-08/HZB-01/HZB-02/HZB-03

Fields assigned during chemistry validation are shown.



Concentration Exceeds Criteria 1



Concentration Exceeds Criteria 2

\* Background levels for lead vary widely. Typical metropolitan or suburban levels range between 200-1000 ppm (USEPA interim lead guidance, 1991).

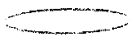
NA = Not Analyzed

TABLE 1  
SUMMARY OF DETECTED SAMPLE ANALYTICAL RESULTS  
HAZORB

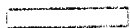
Location ID				HZB-15	HZB-18
Sample ID				HZB-15	HZB-18
Matrix				Soil	Soil
Depth Interval (ft.)				0.0-4.0	0.0-4.0
Date Sampled				05/16/00	05/16/00
Parameter	Units	Criteria (1)	Criteria (2)		
Volatile Organic Analytes					
Acetone	UG/KG	200	-		15 J
Methylene chloride	UG/KG	100	7.60E+05		3 J
Semivolatile Organic Analytes					
Phenol	UG/KG	30 or MDL	1.20E+09	NA	NA
2-Methylphenol	UG/KG	100 or MDL	1.00E+08	NA	NA
3&4-Methylphenol	UG/KG	-	-	NA	NA
Naphthalene	UG/KG	13000	4.10E+07	NA	NA
2-Methylnaphthalene	UG/KG	36400	4.10E+07	NA	NA
Acenaphthylene	UG/KG	41000	-	NA	NA
Acenaphthene	UG/KG	50900	1.20E+08	NA	NA
Dibenzofuran	UG/KG	6200	3.20E+06	NA	NA
Fluorene	UG/KG	50000	3.20E+07	NA	NA
Phenanthrene	UG/KG	50000	-	NA	NA
Anthracene	UG/KG	50000	6.10E+08	NA	NA
Carbazole	UG/KG	-	2.90E+05	NA	NA
di-n-Butylphthalate	UG/KG	8100	2.00E+09	NA	NA
Fluoranthene	UG/KG	50000	3.20E+07	NA	NA
Pyrene	UG/KG	50000	6.10E+07	NA	NA
Benzo(a)anthracene	UG/KG	224 or MDL	7900	NA	NA
Chrysene	UG/KG	400	7.30E+05	NA	NA
bis(2-Ethylhexyl)phthalate	UG/KG	50000	4.13E+05	NA	NA

United States Environmental Protection Agency, Office of Research and Development, Health Effects Laboratory Division, Research Triangle Park, North Carolina 27711

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria



Concentration Exceeds Criteria 3

Background levels for lead vary widely. Typical metropolitan or suburban levels range between 200-500 ppm (USEPA Interim Lead Guidance, 1994).

Jan. Detailed Results Reported.



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**TABLE 2**  
**ANALYTICAL GROUNDWATER SAMPLE RESULTS**  
**HAZORB**

Location ID		HZB-18
Sample ID		HZB-W-18
Matrix		Groundwater
Depth Interval (ft.)		-
Date Sampled		05/16/00
Parameter	Units	
Volatile Organic Analytes		
Chloromethane	UG/L	5 U
Vinyl chloride	UG/L	2 U
Chloroethane	UG/L	5 U
Bromomethane	UG/L	5 U
1,1-Dichloroethene	UG/L	5 U
Acetone	UG/L	5 U
Carbon disulfide	UG/L	5 U
Methylene chloride	UG/L	5 U
trans-1,2-Dichloroethene	UG/L	5 U
1,1-Dichloroethane	UG/L	5 U
cis-1,2-Dichloroethene	UG/L	5 U
Methyl ethyl ketone (2-Butanone)	UG/L	25 U
Chloroform	UG/L	5 U
1,1,1-Trichloroethane	UG/L	5 U
Carbon tetrachloride	UG/L	5 U
Benzene	UG/L	0.7 U
1,2-Dichloroethane	UG/L	5 U
Trichloroethane	UG/L	5 U
1,2-Dichloropropane	UG/L	5 U
Bromodichloromethane	UG/L	5 U
cis-1,3-Dichloropropene	UG/L	5 U
4-Methyl-2-pentanone	UG/L	10 U
Toluene	UG/L	5 U
trans-1,3-Dichloropropene	UG/L	5 U

Flags assigned during chemistry validation are shown.

Detection Limits shown are MDL.

**TABLE 2**  
**ANALYTICAL GROUNDWATER SAMPLE RESULTS**  
**HAZORB**

<b>Location ID</b>		<b>HZB-18</b>
<b>Sample ID</b>		<b>HZB-W-18</b>
<b>Matrix</b>		<b>Groundwater</b>
<b>Depth Interval (ft.)</b>		<b>-</b>
<b>Date Sampled</b>		<b>05/16/00</b>
<b>Parameter</b>	<b>Units</b>	
<b>Volatile Organic Analytes</b>		
1,1,2-Trichloroethane	UG/L	5 U
Tetrachloroethane	UG/L	5 U
2-Hexanone	UG/L	10 U
Dibromochloromethane	UG/L	5 U
Chlorobenzene	UG/L	5 U
Ethylbenzene	UG/L	5 U
m,p-Xylene	UG/L	5 U
o-Xylene	UG/L	5 U
Styrene	UG/L	5 U
Bromoform	UG/L	5 U
1,1,2,2-Tetrachloroethane	UG/L	5 U

Flags assigned during chemistry validation are shown.

Detection Limits shown are PQL

#### 4.4 Debris/Raw Materials

The results of the debris/raw materials sample analyses (Table 1) were also compared to the NYSDEC TAGM-4046 recommended soil cleanup objectives. Results from these locations indicated PAH compounds at concentrations that exceed NYSDEC guidelines but at levels two to three orders of magnitude lower than the subsurface fill material samples. Additionally, two metals (arsenic and mercury) were detected at concentrations that exceed NYSDEC criteria.

#### 4.5 Groundwater/Surface Water/Sludge

The analytical results from the sludge sample indicated high levels of PAHs at concentrations above NYSDEC guidelines. The results were at approximately the same levels as the highest subsurface soil/fill material sample (HZB-02). Also, one metal, chromium, was detected above NYSDEC guidelines.

One groundwater sample and three surface water samples were collected. Samples of groundwater and surface water did not detect any compounds above NYSDEC guidelines.

## 5.0 IDENTIFICATION AND DEVELOPMENT OF REMEDIAL ALTERNATIVES

### 5.1 Introduction

This section presents the methodology and rationale used to develop remedial action alternatives for the Hazorb site.

### 5.2 Remedial Action Objectives

The objective of the U.S. Environmental Protection Agency Brownfields Economic Redevelopment Initiative Project is to investigate and evaluate redevelopment of properties currently under-utilized due to real or perceived environmental contamination. This objective includes the identification and development of remedial alternatives. In order to evaluate the practicality and feasibility of meeting this objective, it has been assumed that the site will continue to be used solely for commercial/industrial purposes. Appropriate remedial action alternatives based on commercial/industrial land use were subsequently developed and evaluated. A remedy for the site was then selected from these alternatives.

#### 5.2.1 Selection of Cleanup Goals

Metal and PAH compounds are common constituents of fill material found in urban environments, and are typically associated with coal based carbon, railroad fill material, coal tar and asphalt based materials and ash. The primary routes of human exposure to PAHs and metals include inhalation or ingestion of contaminated dust as well as dermal contact. In general, PAHs and metals are not very mobile in soils, in that they have low solubility in water and tend to adsorb to the soil grains.

EPA/OSWER Technical and Compliance Guidance Memorandum HWF 94-08, Determination of Soil Cleanup Objectives and Cleanup Levels, January, 1994 (TAGM 4046), provides a basis and procedure to determine soil cleanup levels. TAGM 4046 limits the concentration of total SVOCs to 500 parts per million (ppm) or less and carcinogenic PAHs to 50 ppm or less. These levels have been established as cleanup goals for the Property. Individual

TAGM 4046 values also were reviewed to determine the potential impact from specific contaminants.

Based on discussions with the NYSDOH, it was indicated that for industrial/commercial properties the NYSDEC (TAGM 4046) cleanup objectives for PAHs would be used. Consequently, the cleanup levels established by the NYSDEC will be utilized for this site.

### 5.2.2 Regulatory Implications of Contaminant Concentrations

In general, the contamination detected at the site consists of levels of PAHs at concentrations significantly above NYSDEC guidelines.

The PAHs present at the site above guidance levels include: benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(g,h,i)perylene, benzo(k)fluoranthene, chrysene, dibenz-(a,h)anthracene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, naphthalene, phenanthrene, and pyrene in addition to the semivolatiles, phenol, dibenzofuran, naphthalene, and 2- methylphenol. Metals present at the site above guidelines include arsenic, chromium, and mercury.

Contaminants detected the site at concentrations exceeding TAGM 4046 levels are identified in Table 1. A concentration of 50 ppm total carcinogenic PAHs was exceeded in most soil samples, waste samples, and the sediment sample collected from the site. The concentrations detected also exceeded the 500 ppm total SVOCs cleanup goal. Arsenic and mercury were present in debris sample HZ-01 above the cleanup objective. Chromium also was present in the sediment sample at concentrations slightly above the soil cleanup objective of 50 ppm.

Groundwater at the site was determined to pose no risk to human health as groundwater is not a current or likely future source of drinking water. The entire area is adequately supplied by public water. Additionally, most of the contaminants at the site exhibit low water solubility and tend to adsorb onto the soil grains. Consequently, they are "locked up" in the soils and do not readily leach to groundwater. Therefore, no remedial alternatives were developed for groundwater based on this conclusion. Additionally, the groundwater sample from HZB-18 showed no exceedances of NYSDEC criteria for groundwater.

### 5.3 General Response Actions

General response actions may be applied at a site to meet the remedial action objective. They may include treatment, containment, excavation, extraction, disposal, institutional controls, no action, or a combination of responses. The following general response actions were identified for the soils/debris at the site:

- Containment;
- Excavation and off-site disposal;
- Institutional controls; and
- No action.

Treatment of soil, either on-site or off-site, was not included as a general response action due to the high cost of treatment and the limited nature of the contamination, which consists primarily of PAHs. PAHs are difficult to destroy, either by incineration or biodegradation, and these compounds are difficult to remove from soil as vapors. Mobilization and operation of an on-site treatment system would be costly considering the size of the site, the low volume of contaminated soils, and the relatively low levels of contaminants.

### 5.4 Development of Alternatives

The general response actions identified in Section 5.3 have been assembled into remedial action alternatives that address the contamination concerns at the site as a whole.

For residual SVOCs in the soil at the site, site conditions as they currently exist do not comply with the established TAGM 4046 soil cleanup levels for total SVOCs (i.e., less than 500 ppm). Therefore, additional remedial actions related to total SVOCs are necessary at the site in order to develop the property for commercial or industrial purposes. Also, the total carcinogenic PAHs in most subsurface soils and the sludge/debris samples exceeded the TAGM 4046 cleanup levels for individual compounds and will need to be considered.

The primary exposure routes associated with the PAHs, residual residues and metals in the onsite fill materials include:

- Dermal contact;
- Ingestion; and
- Inhalation.

Consequently, in developing the remedial action alternatives, the primary goal was to prevent contact, ingestion or inhalation of the contaminated soils. Four alternatives were developed which include:

Alternative 1 - No Action;

Alternative 2 – Institutional Controls;

Alternative 3 - Partial Containment and Institutional Controls; and

Alternative 4 - Partial Excavation and Off-Site Disposal;

These alternatives are evaluated in detail in Section 6.0.



## 6.0 DETAILED ANALYSIS OF ALTERNATIVES

### 6.1 Introduction

A detailed analysis of the remedial action alternatives developed for the site consists of the presentation and analysis of relevant information necessary to select a remedy for the site. The proposed alternatives were analyzed in this report using the following seven evaluation criteria as defined in 6 NYCRR 375:

1. Overall protection of human health and the environment;
2. Compliance with remedial action objectives;
3. Short-term effectiveness;
4. Long-term effectiveness and permanence;
5. Reduction of toxicity, mobility, and volume;
6. Implementability; and
7. Cost.

The criterion of community acceptance will be evaluated by NYSDEC following issuance of the proposed plan.

It should be noted that the removal of the crushed drums, along with any other possible containers of wastes present below grade, are not included in the cost analysis of these alternatives. These are not thought to exist subsurface, although, USTs may still exist adjacent to the property. Although an array of borings were advanced across the site, the removal of all the above ground demolition debris and residual product is recommended. Once removed, additional testing via borings or trenching to confirm the subsurface conditions is recommended. Also, a formal property survey is recommended to determine where adjacent properties are located in relation to the subject property especially along the western border.

## **6.2 Individual Analysis of Alternatives**

The components of each alternative are further defined in the following paragraphs with regard to volumes or areas of contaminated media to be addressed; the technologies to be used; and any performance requirements associated with those technologies.

### **6.2.1 Alternative 1 - No Action**

Under the No Action alternative, no remedial activities would take place on site to remove, contain, or treat debris or contaminated soils. Surface debris would be removed, however, subsurface soil/fill materials soils would remain on site in their present state. In addition, no institutional controls would be implemented.

This alternative does not comply with the remedial goals in that it does not eliminate direct contact hazards. However, since most of the site is currently covered with concrete and asphalt, the primary exposure routes of ingestion, inhalation and dermal contact are minimized if the surface debris is removed, assuming future use of the site is limited to industrial/commercial purposes.

### **6.2.2 Alternative 2 - Institutional Controls**

Under this alternative, institutional controls, consisting of deed restrictions limiting future use of the site to commercial/industrial purposes and development of guidelines for future excavation activities at the site would be implemented. However, since most of the site is currently covered with concrete and asphalt, the primary exposure routes of ingestion, inhalation and dermal contact are minimized, assuming future use of the site is limited to industrial/commercial purposes.

This alternative does not comply with the remedial goals in that it does not eliminate direct contact hazards.

### **6.2.3 Alternative 3 - Partial Excavation and Off-Site Disposal**

Under this alternative, surface debris and mounded soil/product would be removed, soils

from filled areas of the site would be excavated to the top of the native silty clay, or a depth of 2 feet, whichever is less, and the excavated materials and soil disposed off site. Site excavation would be performed using traditional earth moving equipment such as backhoes and bulldozers. Excavated material would be transported using lined dump trucks or trailers to the nearest permitted solid waste landfill approved to accept non-hazardous contaminated soil. The excavated soil would be covered during transportation. The excavated areas would be backfilled to original grade with clean fill. Alternatively a BUD for offsite use (e.g., feedstock for asphalt plant, or backfill under paved areas, etc.) of the fill might be pursued. Deed restrictions on future site use and onsite excavations would be necessary to prevent contact with contaminated soil not removed during remediation.

This alternative complies with the remedial goals and eliminates all direct contact hazards.

#### **6.2.4 Alternative 4 - Partial Containment and Institutional Controls**

Direct contact with soil containing carcinogenic PAH contaminants at concentrations exceeding NYSDOH screening levels as well as mercury, chromium, and arsenic that exceed TAGM 4046 would be eliminated by covering the contaminated soil. The cover would consist of a layer of "clean" soil suitable to maintain native vegetation or paving with 4 inches of crushed stone and 4 inches of asphalt. Currently about 50 percent of the site is covered with concrete and asphalt, so the maximum area to be covered would be approximately 2.5 acres. Institutional controls, consisting of deed restrictions to ensure future site use is limited to industrial/commercial purposes and guidelines on the disturbance of subsurface soils (after covering) would be necessary to reduce possible exposure to contaminated soil.

This alternative complies with the remedial goals and eliminates direct contact hazards as long as the asphalt and/or soil cover are maintained. It does not, however, reduce the overall mobility, or volume of the contaminants.

### 6.3 Evaluation of Alternatives

As previously indicated, the chemicals of concern at the site are PAHs, carcinogenic PAHs and low levels of a few metals across the site. The primary exposure routes to humans are through ingestion, inhalation and dermal contact. In general, these contaminants are adsorbed onto soil grains and exhibit very low mobility. Any remedial action should be designed to minimize ingestion, inhalation and dermal contact.

After the surface debris and waste/product materials are removed, existing conditions at the site already accomplish this for much of the subsurface area of the property:

- Much of the site is covered with concrete and asphalt which effectively minimizes dust generation, direct contact and erosion.
- The majority of the PAH contaminated material is associated with debris/soil piles. These would have to be removed or buried on-site.
- The metal levels only slightly exceed the TAGM 4046 levels.
- Although groundwater was encountered on site, all local receptors are on public water supply.

Consequently, assuming that future uses are limited to industrial/commercial purposes, the following remedial action alternatives should be implemented:

At a minimum, the removal of C&D debris and the removal of surface piles of soil/carbon material would be necessary along with installation of a cover over the uncaved portions of the property. Institutional controls as described in Alternative 2 above should be implemented.

Additionally, no matter which alternative is implemented, it is recommended that some form of non-intrusive survey (i.e., GPR, EM-31, magnetometer) be performed to identify the presence of any USTs or drums. Any hot spots encountered would be excavated and contaminated materials disposed off site.

It is also assumed that the drums and bags of materials in the southwest corner of the site will be removed by USEPA and disposed, as necessary, prior to reuse of the site.

## 7.0 SUMMARY AND CONCLUSIONS

The following section summarizes the findings of the site investigation

### 7.1 Summary

- A site investigation consisting of soil borings and subsurface soil sampling, debris and materials sampling, as well as surface and groundwater sampling was conducted at the Hazorb site. For the purposes of site characterization, a total of 20 borings were advanced on the site and a total of three composite subsurface soil samples were collected from these borings. Additionally, one groundwater sample, one sludge sample and six soil/materials debris samples were collected.
- Composite subsurface soil samples were prepared from the discrete soil samples collected from the borings as follows: one composite sample from boring HZB-01 to HZB-08 in the western portion of the property, one composite soil sample from borings HZB-09 to HZB-14 in the central portion of the property, and one composite sample from HZB-15 to HZB-20 along the eastern portion of the property. The composite soil samples were submitted for TCL semivolatile organics and RCRA metals analysis.
- Discrete soil samples from probe locations HZB-15 and HZB-18 were analyzed for volatile organic compounds. Odors were observed at these locations during sampling activities.
- Composite samples from surface debris/material piles were submitted for TCL semivolatile organics and RCRA metals analysis.
- The site is surrounded by industrial/commercial properties and has a number of identified RCRA, CERCLA, and solid waste facilities within 1.0 miles or less of the site.

- Fill material approximately 1.0 to 4 feet in thickness extends across the site. This is underlain by a clay unit and dolomitic limestone bedrock.
- Groundwater was encountered at the site.
- Contaminants consisting primarily of PAHs and some metals were detected in the subsurface fill material at concentrations which exceeded the NYSDEC recommended soil cleanup objectives. The highest concentrations of PAHs are associated with the area where the former gas producer was reportedly located and near the previously demolished buildings.
- In the absence of site remediation, carcinogenic PAHs in subsurface soils pose the greatest potential human health risks to current site visitors and future workers at the Hazorb site. PAHs were detected in almost all of the soil and debris/material samples collected at levels above the recommended NYSDEC cleanup guidelines.

## 7.2 Conclusions

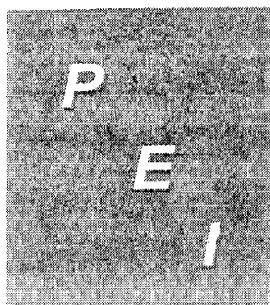
- The data presented in the report are considered representative of site conditions only at the time of sampling.
- Based on the need to meet remedial goals, it is recommended that future site use be restricted to commercial/industrial uses. By limiting the site's future use to these activities, the human health and environmental risks associated with the site is relatively low to medium and is primarily based on the presence of PAHs and low levels of a few metals in the soil/fill and debris material.
- The PAHs are most likely associated with the historic use of the site by companies which manufactured silicon carbide from coal based carbon, other companies that later occupied the property including a paving company, as well as the general heavy industrial nature of the area. Fill material containing high levels of PAHs and metals may also have been placed on the property.

- The primary exposure routes associated with PAHs are ingestion, inhalation, and dermal contact. Limiting exposure would be necessary to reduce health risk, assuming industrial reuse of the site.
- There is minimal potential for groundwater contamination from the site due to the low solubility of PAHs and the presence of the low permeability silty clay below the fill layer at the site.
- A non-intrusive subsurface investigation to identify areas where other containers may be buried is recommended. Contingent on the results of this investigation, additional test borings or trenching to confirm the source of anomalies as well as retrieval and disposal of any containers of wastes is recommended.
- Deed restrictions should be implemented to limit the future use of this site to industrial/commercial activities.
- All debris piles should be removed and disposed off-site at a permitted facility. Alternatively, the materials could potentially be consolidated onsite and capped with clean soil.
- After removal of the surface debris/materials, a cover would be required over areas not currently covered by asphalt/concrete. Should the City wish to eliminate future concerns, the fill layer should be excavated in its entirety and disposed offsite at an approved facility. The site would then be backfilled with "clean fill." A BUD for offsite uses of the fill should be considered in this case.
- Guidelines/restrictions pertaining to potential future construction activities which may result in disturbance of the contaminated soil/fill material are to be developed.



## APPENDIX A

### PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT



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**SI/RAR Scoping Plan  
Phase I Environmental Site Assessment,  
Hazorb Site,  
City of Niagara Falls,  
Niagara County, New York**



Prepared by:

Panamerican Environmental, Inc.

and

URS Greiner Woodward Clyde Group Consultants, Inc.

May 1999

**SI/RAR Scoping Plan  
Phase I Environmental Site Assessment,  
Hazorb Site,  
City of Niagara Falls,  
Niagara County, New York**

Prepared for:

The City of Niagara Falls  
745 Main Street, City Hall  
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Attention:

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## EXECUTIVE SUMMARY

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A Site Investigation/Remedial Alternatives Report is being performed for the City of Niagara Falls at the Hazorb Site under a U.S. Environmental Protection Agency (USEPA) Brownfields Assessment Grant. The scope is being conducted in accordance with the scope attached to the Request for Proposal (RFP) dated December 7, 1998 and the proposal dated December 1998. Pre-investigation SI activities were directed at assembling and evaluating existing data, describing the current site conditions, and for planning the SI/RAR scope. A Phase I Environmental Site Assessment (ESA) was completed for these purposes by Panamerican Environmental, Inc. (PEI) as part of the Scoping Plan for the Hazorb Site property located at 1731-1903 College Avenue (SBL#s 130.18-2-15, 130.18-2-3.22, 130.18-2-16, 130.18-2-17) in the City of Niagara Falls, Niagara County, New York. Performed in conjunction with URS Greiner Woodward Clyde, Inc., activities included review of local records, site inspections, interviews with city personnel as well as a government records review. These tasks were conducted during April and May 1999. Some background information and deed information was collected in January and February 1999.

Information identified by PEI suggests some issues of environmental interest exist near or on the subject property. The site is a four parcel 5.22-acre site on the south side of College Avenue near Hyde Park Boulevard, which was part of the former Union Carbide Niagara Plant (Hazorb Site). First occupied in 1910 by National Carbon Company, this property was part of a larger facility that manufactured silicon carbide electrodes. Products manufactured included specialty machined graphite, carbon liners, cathode blocks, and electrodes for furnacing. The property was formerly occupied by a series of buildings most of which have recently been demolished. Only a portion of the western most building is still standing. The remainder of the property consists of a wide variety of demolition debris located in various piles across the surface of the property. Most piles have been segregated by debris type (i.e. brick, metal, etc.).

According to A.C. Ogg, site manager of UCAR Carbon and former Union Carbide employee, the building that has recently been demolished at the site was the Bulk Baking building. The carbon was baked using several ring furnaces that were constructed in the 1920s and continued operation into the 1970s. These ovens were in pits (i.e., below grade) and were initially powered by an on-site gas producer. The gas producer was located on the west side of the property and burned coal to produce gas which was then fed to the ring ovens. The ovens were efficient for their time and included an emission reburn cycle. In later years, the ovens were power by commercial natural gas. The structure that remains on the site was part of the machining area and the concrete pad on the north side of the property was the floor of the shipping building. Finished products were loaded onto railroad cars as well as trucks at this location. The property was sold to Niagara Vest in 1986 and manufacturing continued. According to Mr. Ogg, Niagara Vest produced metal bricks that also included silicon carbide as an ingredient.

The property is currently vacant consisting of a partially demolished building and numerous debris piles consisting of brick, corrugated metal roofing and other metal parts, wood, cement block and slabs, tires, soil, glass, rock, rebar, and miscellaneous materials. A group of approximately 158, 55-gallon drums of graphite type material are located in a staging area at

the far southern corner of the property. Some cardboard drums and various 10-50 pound bags of Carborundum material packaged for sale/use/distribution are also located in this area. Various other crushed 55-gallon drums were observed in some of the debris piles especially those located along the southeast and southern portion of the property. A large elongated soil/carbon mound approximately 15 feet high is located along the eastern portion of the property. Soil, carbon-like material, large square shaped chunks of carbon, cement, wood and wood pallets, re-enforced cement slabs, and miscellaneous other materials were observed in this pile. A small cement pad, approximately 8x10 feet, is located adjacent to the access road in the northeast portion of the property. Eight pipes approximately 3-inch in diameter extend from the cement.

The majority of the property surface consists of the remaining concrete slab floor from the prior on-site structures. Of note was a series of water filled re-enforced cement-lined pits and utility runs/channels that were observed in various locations across the slab. An oily sheen was observed in the channel located closest to the remaining structure. One large pit, located near the southwest corner of the property is surrounded by large rectangular-shaped concrete blocks.

A total of 21 government environmental records associated with surrounding properties were identified in the various database searches conducted by EDR. A number of industrial facilities, including RCRA, CERCLA and State landfill sites and petroleum storage facilities are located in the general vicinity of this property. Groundwater in the general area has potentially been contaminated by these sites as well as other past industrial activities in the area.

The property is relatively flat. The cement slab is surrounded by an access road, grassy areas, and a fence which surrounds the property. An old railroad spur is located along the northern perimeter of the property (adjacent to the former shipping building) and terminates inside the building.

Adjacent properties include the aforementioned industry/manufacturing properties, railroad tracks and residential areas.

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## **1.0 INTRODUCTION**

### **1.1 INTRODUCTION AND PURPOSE**

The City of Niagara Falls, New York, owns four parcels located at 1731-1903 College Avenue collectively referred to as the Hazorb Site (Figures 1, 2 and 3; Photos 1-4). Under a U.S. Environmental Protection Agency (USEPA) Brownfields Assessment Grant, the City has retained URS Greiner Woodward Clyde Consultants, Inc. (URSGWC) and their subconsultant, Panamerican Environmental, Inc. (PEI), to conduct a Site Investigation/Remedial Alternatives Report (SI/RAR) on the property. The SI/RAR will provide the City with information necessary for the re-development of the property. PEI conducted a Phase I ESA as part of the initial project scoping process and in accordance with the requirements outlined in the December 7, 1998 proposal.

The purpose of this ESA was to assemble and evaluate existing data, describe the current site conditions, and provide information to refine the detailed SI scope of work.

### **1.2 SCOPE**

The scope of work and services for this ESA were performed in accordance with American Society for Testing and Materials (ASTM) Standards E-1527-97, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process." The scope of work performed for this evaluation includes:

- observation of current land-use within 0.5 mile of the site;
- identification of known environmental problems within 1 mile of the site;
- review of information regarding past uses of the site and adjacent properties;
- walkover reconnaissance of the property; and
- review of records at federal, state, and local agencies.

To conduct tasks related to environmental database searches, PEI identified, obtained and reviewed local records to assess whether the property has, or adjacent properties have, posed any environmental hazard in the past, or currently pose such a threat. An environmental database report is included in the appendices and is summarized in Section 5. As suggested in the proposal the database report generated for the adjacent Union Carbide Brownfields project was used.

Phase I property reconnaissance tasks were completed by Dr. Frank Schieppati and Mr. Peter J. Gorton of PEI, and Mr. George Kisluk of URSGWC. Observations are summarized in Section 1.3. As part of this process, research and interviews were conducted at City offices to obtain information on the property. Services provided included:

- acquisition and review of aerial photographs of the property and adjacent land to assess property uses;
- acquisition and review of available City and local records and documents regarding the site and adjacent land;

The results of these efforts are summarized throughout the report.

### 1.3 SITE RECONNAISSANCE

A site reconnaissance was conducted on April 8, 1999 to inspect physical features and make general observations regarding the property and the vicinity. The site visit and property review was performed by Frank J. Schieppati, Ph.D., Mr. Peter J. Gorton, MPH, CHCM, and Mr. George Kisluk. The following tasks were completed during the property visit:

- visual inspection of the property and the surrounding property was conducted to identify potential environmental concerns existing on the property or impacts from adjacent areas.
- various property features were photographed;
- visual surface observations were made to identify any evidence of spills, stains or soil or vegetative stress;
- a survey of adjacent properties was conducted.

The results of the reconnaissance are summarized below and provide a representation of property conditions at the time of the site visit (current conditions). A photographic record is included in Appendix C.

#### 1.3.1 SUMMARY OF OBSERVATIONS

Figures 4 and 5 are maps annotated to identify observations made during the property visit. Numerous debris piles were observed during the property visit. The piles are mostly sorted by debris type (i.e., brick, cinder/cement, soil/Carborundum material, corrugated metal roof material, etc.). The majority of the property contains the cement floor slab from the former on-site structures. Based on visual observations this floor is re-enforced with rebar and very thick in spots (4-6 feet). It is unknown whether the floor is consistently this thick across the entire property.

For report presentation purposes, the property area was roughly divided into north, south, east, and west. Observations made during the property visit are presented below by property area.

##### Southwest Corner Area

Approximately 150-160, mostly metal and some cardboard 55-gallon drums are staged in the southwest corner of the property (Photo 5). Some of the drum contents were observed to contain graphite-like material. These drums were sampled by Roy F. Weston, Inc. (USEPA contractor) on November 11-12, 1998. A total of 158 drums were identified by the EPA, 107 of which were sampled. The remaining drums (51) were unable to be opened due to their deteriorated and rusted condition. The majority of the materials in the drums consisted of a solid gray to gray black material. Two drums of liquid were identified; one consisting of a clear, viscous liquid and the other consisting of a yellow, oily liquid. Eight composite solid samples were analyzed for TAL, RCRA analysis, TCLP analysis and Cyanide on two samples only. Two liquid samples were analyzed for TCL and RCRA Analysis. One of these samples were analyzed for TCLP. Field testing of the two liquids were performed using field testing kits. Since sample results are still preliminary and have not been validated, conclusive statements about the findings can not be made. It appears from the preliminary data that the materials contain various low levels of heavy metals.

In addition to the drums, numerous 10-50 pound bags of Carborundum material were staged on wooden pallets. These materials appeared to be packaged for use as raw product or for distribution. Some of the packaging has deteriorated due to time and weather causing materials to be spilled. There was at least three different types of bagged materials, all solid, and staged in this area. A large portion of the bagged material was labeled RAMFRAX ST-3R RAMMING MIX (refer to Appendix F).

Just north of the drum area are a series of other debris piles including a pile of truck tires and liners (Photo 6), a pile of cement possibly wall material, and a large pile of soil and black cinder brick/carbide material. A large water-filled pit is also located in this area. The pit is surrounded by large rectangular cement blocks. There is some debris in the pit.

#### Southwest Center Area

Debris piles observed in this area included a large pile of corrugated metal roof/siding, and a pile of rebar-re-enforced cement slabs and wooden planks (Photo 7). A stack of cement blocks/slabs are located towards the center portion of the property in this area.

#### Building Shell

The remaining structure is a partially demolished cement on grade, cement block, and metal frame, metal roof building (Photos 17, 19-24). The south end of the structure is fairly clean with some cinder block debris. The north end of the building contains a wood brick floor. Various piles of debris including brick and cinder block, metal and plastic pipe are located in this end of the building. The building is attached to a larger building complex to the west at the northern end. A rail spur runs along the northern part of the property from east to west enters the building and terminates at a loading dock. The railroad bed is approximately 6-8 feet below the floor surface.

Eight to ten large plastic wrapped cardboard boxes labeled RAMFRAX MU-2RE Taphole Mix, Carborundum Co., are staged/located in the northern portion of the building along with numerous large plastic canvas bags stacked on pallets. The large plastic bag containers are Bonar Industries, Inc., Intermediate Bulk Containers and are labeled "The Carborundum Company, New Cast Method NCM".

A few empty 55-gallon drums and a chemical tank car are located behind the building shell on the adjacent western property. A room located within the attached adjacent structure (not part of the subject property) is filled completely with tires.

#### Northwest Property Area

The northwest portion of the site includes the area immediately to the east and adjacent to the remaining structure (Photos 15 and 16). A series of debris piles are located in this area (described below from north to south just outside the building shell: Photo 18). One rather large pile contains crushed cardboard drums, black Carborundum Tapehole/Cast material, empty bags (similar to those staged inside the building), brick, metal, and wood. A large pile of bricks and corrugated plastic sheets are located to the south of the previous pile. A series of water filled cement channels (utility chases/runs?) are located just south of the brick pile. An oil sheen and an empty plastic quart container of motor oil was observed floating on the water. The channels are constructed of metal and re-enforced concrete. These channels appeared

to be greater than 4 feet deep and possibly deeper. To the south of the channels and adjacent to the southern end of the structure is a debris pile consisting of cement block, 1 crushed 55-gallon drum, corrugated metal, and black tar material. A cement pit approximately 10 ft by 8 ft is located south of the previously described pile. This pit has above grade cement walls and an interior cement wall which divides the pit. An approximately 6-inch green plastic pipe enters the pit subgrade from the adjacent structure.

#### North Center Property Area

A water filled, metal lined cement channel appears to run due east from the structure and ends in an open black-stained cement pit in this area of the property. The cement appeared to be at least 5-6 ft thick in this area. This may be connected to the channel observed near the structure. A large corrugated metal debris pile also was observed in this area. Some metal pipe was intermingled within the corrugated metal debris. A small amount of asbestos-like material was observed on one of the pipes. To the east of the metal pile is a cement and brick pile. A small cement lined pit is located just south of these two debris piles. The pit is dry and contains some debris.

#### North Property Area

The railroad spur runs along the northern portion of the property from east to west and terminates inside the remaining structure. A fence and brick wall separate the railspur and property from College Avenue (Photo 16).

#### Northeast Property Area

A raised cement ramp is located in the northeast corner of the property. An abandoned construction trailer is located further east and outside the property area. This trailer was empty and open. Posted signs within the trailer indicate that it was used during asbestos removal operations possible when the buildings were being demolished.

The cement pad which exists across the site surface ends at an asphalt access road approximately 22 ft wide. This road runs along the property's eastern border north-south and eventually turns west at the southeast corner of the property. A grassy/stone strip is located east of the road. A metal fence located along the eastern perimeter separates this portion of the property from the adjacent property to the east. The remnants of a possible gravel/dirt access road was observed along the fence line.

An approximately 8x12 ft cement pad is located on the east side of the access road. Eight, 3-inch pipes stick up through the cement. These may be associated with utilities or possible an underground tank. Based on the alignment of the pipes (grouped in a close arrangement in two ends of the pad), it is likely that this pad was associated with utilities, however, the possibility of a subsurface tank(s) cannot be discounted. Additionally, a cement pad connects the former building floor slab with the pad.

#### Center Eastern Property Area

A large elongated mound east of the access road and approximately 15 ft high and 265 ft long, dominates this portion of the property (Photos 9, 11 and 12). The mound occupies a stretch

from the east central portion of the property to the southeast corner. The mound consists of soil, black carbon material, large square blocks/chunks of carbon-like material, as well as other trash and miscellaneous items such as pink colored cement rings, wood and wooden pallets, cement block and cement re-enforced concrete, metal pales and containers, metal drum lids, large sanding pads, etc.

#### Center Property Area

A grassy/bare soil area is located within the center portion of the property corresponding to areas that did not previously contain structures (Photo 7). Various types of debris are located across the surface of this area including, small pieces of glass, rock, black gritty material, brick, wood, tar, tires, as well as half full and empty bags of cast material. Corrugated metal debris piles are located to the east and west of the center portion of the property.

#### Southeast Corner

Two large piles and miscellaneous other debris are located in the southeast corner of the property (Photo 10). Debris in this area includes corrugated metal, cement slabs, pea gravel size black carbon, as well as a pile of soil and crushed and partially crushed/ partially full 55-gallon drums. The material in these drums and within the pile appeared to be a solid ash/gritty material similar to the material observed in other areas of the property associated with drums and bags.

#### South Center Property Area

An access road and perimeter fence run along the southern border of the property. A large corrugated metal pile is located in this portion of the property. Four re-enforced circular pillars about three feet high form a square (Photo 8). These may have been associated with a former structure in this area. An area of approximately 12x12 ft is contained within these pillars and black/soot material was present on the ground within this square. A large pile of corrugated metal is also located within the southern end of the property.

### ***1.3.2 PRIMARY PROPERTY USES***

The currently vacant property contains the partially demolished building (approximately 220 ft long and 50 ft wide) and the various debris associated with demolition activities as summarized in section 1.3.1.

According to building records a steel and corrugated factory building was constructed on College Avenue in 1919. Information supplied by the City, however, indicates that National Carbon Company first occupied the site in 1910. The subject parcel was part of a larger heavy industrial manufacturing complex that originally manufactured carbon electrodes. National Carbon changed its name to Union Carbide Corp., Carbon Products Division in 1963 and to UGAR Carbon Company, Inc. in 1989. Further information supplied by the City indicates that this facility manufactured coal-based carbon products which were used by alloy reduction smelters. Products manufactured included specialty machined graphite, carbon liners, cathode blocks, and electrodes for furnacing. Waste products included carbonaceous waste and dusts, fire brick, and raw materials (City of Niagara Falls, SI/RAR, Hazorb Site Request for Proposals, December 7, 1998). The property was sold to Niagara Vest, Inc. in 1986 who subdivided the

facility and sold portions to individual businesses including Eastern Ohio Paving, Inc./Hazorb, Inc.

According to Mr. A.C. Ogg, site manager of UCAR Carbon and a former Union Carbide employee, the building that has recently been demolished at the site was the Bulk Baking building. The carbon was baked using several ring furnaces that were constructed in the 1920s and continued operation into the 1970s. These ovens were in pits (i.e., below grade) and were initially powered by an on-site gas producer. The gas producer was located on the west side of the property and burned coal to produce gas which was then fed to the ring ovens. The ovens were efficient for their time and included an emission reburn cycle. In later years, the ovens were power by commercial natural gas. The structure that remains on the site was part of the machining area and the concrete pad on the north side of the property was the floor of the shipping building. Finished products were loaded onto railroad cars as well as trucks at this location. The property was sold to Niagara Vest in 1986 and manufacturing continued. Mr. Ogg suggested that Niagara Vest produced metal bricks that also included silicon carbide as an ingredient.

### ***1.3.3 TREATMENT, STORAGE OR DISPOSAL FACILITY (TSDF)***

The property is currently vacant and therefore is not a TSDF. Past operation may have been associated with TSDF type operations.

### ***1.3.4 HAZARDOUS WASTE/SUBSTANCES***

The numerous debris piles located across the property appeared to mainly contain construction and demolition debris. Results of the EPA sampling of the drums in the southwest portion of the property are preliminary at this time. These results suggest that the materials sampled contain low levels of heavy metals. Much of the carbon type material located across the property including the material associated with crushed and partially crushed drums appeared to be similar to the material contained in drums sampled by EPA.

The label for RAMFRAX ST-3R Ramming Mix, (similar to material found across the property), identifies the product as containing Alumina, Silicon Carbide, Silicon Dioxide, Phenolic resin, Water, and Formaldehyde. According to the label, the dust may cause eye, skin, and respiratory tract irritation (refer to Appendix F).

An oil sheen was observed on the water in cement pits near the remaining structure. This may be associated with the empty plastic motor oil can also floating on the water.

No other large quantities of hazardous waste or substances were observed on the property.

### ***1.3.5 ABOVE GROUND/UNDERGROUND CHEMICAL/PETROLEUM STORAGE TANKS (AST/UST)***

A small cement pad with 6 pipes was observed in the northeast portion of the property adjacent to the access road. These may or may not be associated with a storage tank(s).

#### **1.3.6 PCB CONTAINING EQUIPMENT**

No PCB containing equipment or materials were observed during the site visit. PCBs may have been associated with equipment used in the former facility.

#### **1.3.7 ASBESTOS CONTAINING MATERIAL/LEAD-BASED PAINT**

The only potential asbestos containing material (ACM) observed during the property reconnaissance was associated with a pipe in a debris pile located in the north center portion of the property (refer to Section 1.3.1). No other ACM was observed. It is probable that the former buildings contained ACM. Signs posted in an abandoned construction trailer on the northeast corner of the property suggests that the trailer may have been used during asbestos removal operations possibly during building demolition. Based on the age of the structure, it is likely that lead-based paint is associated with painted surfaces.

#### **1.3.8 STAINS, SPILLS, STRESSED VEGETATION**

Areas of bare spots and dark colored surface soil/carbonaceous material was observed at various locations across the property.

#### **1.3.9 LANDFILLS/DUMPING ACTIVITIES**

As described previously, numerous building demolition debris occur across the property.

#### **1.3.10 PITS, SUMPS, WELLS**

Numerous water-filled and some dry cement pits and channels are located at various locations across the property as described in Section 1.3.1

#### **1.3.11 PONDS AND LAGOONS**

No ponds or lagoons were observed on the property.

#### **1.3.12 COASTAL AREAS**

The property is not associated with a coastal area.

#### **1.3.13 OTHER NOTEWORTHY OBSERVATIONS/ISSUES**

No other noteworthy observations or issues other than those described above were observed.

## **2.0 ASSET INFORMATION AND DESCRIPTION**

Pertinent asset information includes:

Property Name:	Hazorb Site, SBL#s 130.18-2-15, 130.18-2-3.22, 130.18-2-16, 130.18-2-17
Property Address:	1731, 1777, 1901, and 1903 College Avenue
Property Owner:	City of Niagara Falls Urban Renewal Agency
Property Contact:	Mr. Christopher Schmidt Department of Environmental Services

A copy of the deed for a portion of the property is contained in Appendix E.

## **3.0 SITE DESCRIPTION**

### **3.1 LOCATION AND CURRENT USE**

Located on College Avenue, the property is a vacant, approximately 5.22-acres irregularly-shaped rectangular lot located west of Hyde Park Boulevard and east of Highland Avenue in the City of Niagara Falls, Niagara County, New York (see Figures 1-3).

### **3.2 GENERAL PROPERTY AND AREA FEATURES**

The immediate property vicinity and the surrounding area consists primarily of mixed commercial/industrial and heavy manufacturing uses with some residential properties. The area is located within the City of Niagara Falls Highland Avenue Economic Development Zone. The terrain is generally flat and slopes slightly from north, northwest to south and southwest. The vacant property is fenced and contained a partially demolished building, and numerous debris piles as described in preceding sections. The ground surface consists primarily of the cement floor slab from previous on-site buildings and an asphalt access road.

### **3.3 ADJACENT PROPERTIES**

The following is a brief description of the immediately adjacent properties to the site starting with the property north and moving in a clockwise direction.

#### North

College Avenue and railroad tracks are located immediately north of the property. Properties directly north of College Avenue are Globe Metallurgical, Inc., and Treibacher-Schiefmittel



#### East

Vacant

#### South

The property immediately south of the site is occupied by UCAR Carbon.

#### West

The contiguous property to the west is owned by George Wolf. Part of the larger structure beyond is used by Treibacher-Schliefmittel for raw material processing.

### **3.4 PROPERTY SURFACE FEATURES AND DRAINAGE**

Property surface features and drainage were determined through a combination of site reconnaissance and a review of both aerial photographs and topographic maps. The area is generally flat and surface drainage is most likely laterally in all directions on the cement pad, towards on-site low spots, and water filled channels/pits. The water filled pits most likely contain a combination of surface and groundwater. In general, surface drainage likely follows the surface topography and flows from north to south-southwest. The numerous debris piles are the dominant surface features across the site.

The general topographic (surface) and hydrogeologic (subsurface) gradient and water flow is generally west, northwest and is controlled by the Niagara River gorge. Due to the industrial nature of the area, surface and shallow groundwater flow will most likely be impacted by the cement pad and asphalt areas, as well as the subsurface man-made structures (i.e., foundations).

### **3.5 UTILITIES**

The property is serviced by City utilities. An underground, high voltage, electrical line belonging to UCAR Carbon, runs east-west in the southern part of the property (Figure 4).

### **3.6 SITE GEOLOGY/HYDROGEOLOGY**

The United States Department of Agriculture (USDA) Soil Conservation Service *Soil Survey of Niagara County, New York* (1972) lists the site area as outside the limit of the detailed soil survey. However, near by soils are described as part of the Churchville and Odessa Series. These soil series are described as deep, somewhat poorly drained and moderately to medium-textured soils. They are described as level to gently sloping and contain lacustrine and calcareous as dominate soil types. Although not listed as such in the soil survey, based on the prior use of this property, the area can also be described as Urban land which is defined as nearly level urbanized areas and areas of well drained to poorly drained soils and disturbed soils. Due to the history of this site and based on visual observations, it is obvious that the original soils are overlain by various types of fill and/or have been reworked to accommodate the past industrial use of the property.

The soils of the area were formed in glacial material that were deposited during the ice age. Subsurface soils are made up of lake silt, sand and clay deposits from glacial/post-glacial ancestral lakes. The principal bedrock formations are Queenstone shale, Lockport dolomitic

limestone, and Rochester shale. Local shallow groundwater flow will be influenced by subsurface foundations associated with the industrial use. However, general groundwater flow will be westerly toward, and controlled by, nearby Niagara River. Additional information on the geology is supplied in Appendix C, page 3.

#### **4.0 SITE HISTORY**

##### **4.1 HISTORICAL SOURCES REVIEWED**

A number of sources were used to develop a historical use profile for the property discussed in this report, and included:

- historical City of Niagara Falls street directories and property files/building permits;
- aerial photographs;
- interviews with City officials; and
- review of historical records maintained in the County Real Property Department;

Historical Sanborn maps were not available for this property due to lack of coverage. Property transaction records were obtained at the County Real Property office.

##### **4.2 SITE AND AREA HISTORICAL CHAIN OF USE**

###### ***4.2.1 Chain of Title Information***

Title and tax assessor information located at county offices was reviewed and is summarized below.

###### **1731 College**

<u>Liber</u>	<u>Page</u>	<u>Sale Date</u>	<u>From</u>	<u>To</u>
2512	138	4-29-1994	Foreclosure Plaintiff - Hazorb, Inc., f/k/a Eastern Ohio Paving, Inc.	Defendants - CARBO-SIL, Inc., Charles W. Knapo, Cramer Industrial Supplies, Inc., New York Department of Labor, Unemployment Division, Commissioner of Labor, Morris Protective Service, Inc., People of the State of New York, and "John Doe"

#### 1777 College

<u>Liber</u>	<u>Page</u>	<u>Sale Date</u>	<u>From</u>	<u>To</u>
2512	136	4-29-1994	Foreclosure Plaintiff - Hazorb, Inc., f/k/a Eastern Ohio Paving, Inc.	Defendants - CARBO-SIL, Inc., Charles W. Knapp; Cramer Industrial Supplies, Inc.; New York Department of Labor; Unemployment Division; Commissioner of Labor; Morris Protective Service, Inc.; People of the State of New York; and "John Doe"

#### 1901 College

<u>Liber</u>	<u>Page</u>	<u>Sale Date</u>	<u>From</u>	<u>To</u>
2394	35	7-15-1992	Niagara Vest Inc.	Eastern Ohio Paving, Inc.

#### 1903 College

<u>Liber</u>	<u>Page</u>	<u>Sale Date</u>	<u>From</u>	<u>To</u>
2394	37	7-21-1992	Niagara Vest Inc.	Eastern Ohio Paving, Inc.

Assessment information obtained at the Niagara County Offices is contained in Appendix E.

A title search was performed by the Public Abstract Corporation for the City of Niagara Falls in December 1998. This search listed the property owners since 1918 as follows:

1. Hydraulic Power Co. of Niagara Falls
2. National Carbon Company, Inc. 1918
3. Union Carbide and Carbon Corporation 1949
4. Niagara Vest, Inc. 1986
5. Carbo-Sil, Inc. 1990
6. Hazorb, Inc. 1994
7. City (foreclosing taxes in 1996 and August 1998): appears not yet to be in title

#### 4.2.2 Chain of Use Records

Building permits and City Directories located at City offices were reviewed and the information is summarized as follows:

Only one Building Record was located

Year	Action
1919	Erect steel and corrugated factory building on College Avenue

This may refer to the partially demolished building on the site which does appear on the 1938 aerial photograph. The two fully demolished structures were not built until the 1940s.

#### ***4.2.3 Aerial Photographs***

Historical aerial photographs of the subject property and vicinity for the years 1938, 1951, 1958, 1966, 1977, and 1991 were reviewed to assist in establishing prior land use and site features. However, due to the small scale of the photographs, interpretation of specific site features is limited. The aerials were obtained at the Niagara County Highway Department, Lockport, New York and from the City of Niagara Falls.

A review of the aerial photographs indicates that site activity appears to progress from 1938 through 1951 to 1977. The 1991 aerial shows less site activity.

The 1938 aerial shows the manufacturing complex to be at a much smaller scale than later years and the two demolished buildings were not yet built. By 1951 all the former structures are visible. An active rail spur is visible entering from College Avenue and running along the eastern boundary. What appears to be numerous mounded areas are visible along this rail spur. The 1966 and 1977 aerial photographs show that most of the available space along the eastern portion of the property and between the on-site structures contains stacked or stored materials or shipping containers. By 1991 these items appear to be gone, however, all of the former structures are still present indicating that demolition occurred after this date.

Electronically-scanned copies of these photographs are located in Appendix D.

#### **4.3 PREVIOUS STUDIES/HISTORICAL DATA**

Other than the drum sampling conducted by USEPA (refer to Section 1.1.3) PEI did not have access to and is unaware of any other previous environmental studies or historical data concerning the property.

#### **5.0 Regulatory/Agency Records Review**

A review of readily available government agency records was conducted by PEI using a government records search firm, EDR. City, state and county records were reviewed to verify or enhance the EDR database. EDR provides an ASTM Detailed Radius Report based on information obtained from publicly available data sources and other secondary sources. Information regarding the property was also developed by reviewing EPA database records, records at local City offices and through interviewing City officials.

A total of 21 government environmental records associated with the property and surrounding

properties were identified in the various database searches conducted by EDR. A number of industrial facilities, including RCRA, CERCLA and State landfill sites and petroleum storage facilities are located in the general vicinity of this property. Groundwater in the general area has potentially been contaminated by these sites as well as other past industrial activities in the area.

The UCAR Carbon Co., Inc. is located on immediately south and southwest of the property. Additional information regarding this facility can be found within the EDR report in Appendix B (Executive Summary page 1 and report page 1). Potential impact to the environment caused by past operations on the property and surrounding properties will be further evaluated during the site investigation phase.

A review of the monitoring reports associated with the Occidental Chemical Corporation Hyde Park Remedial Technology Program indicates that groundwater plumes from this facility may not be affecting the subject property.

Information about sites in the immediate area as well as their relative location in relation to the subject property is detailed in the EDR report contained in Appendix B.

## **6.0 OTHER RECORDS REVIEWED/INTERVIEWS CONDUCTED**

In addition to the federal and state databases searched, PEI reviewed a number of other information sources at the regional level.

### **6.1 CITY OFFICES**

1. City of Niagara Falls Department of Environmental Services  
Contact: Mr. Christopher Schmidt  
Data Reviewed: Background information, aerial photographs, and EPA sample results
2. City of Niagara Falls Inspections Department  
Contact: Mr. Guy Bax  
Data Reviewed: Building permits

### **6.2 COUNTY OFFICES**

1. Niagara County Highway Department  
Aerial Photographs: 1938  
1951  
1958  
1966  
1977  
1991
2. Niagara County Clerk's Office - Real Property Office Deeds and Records

### **6.3 INTERVIEWS**

Mr. A. C. Ogg  
Site Manager  
UCAR Carbon Company, Inc.  
3625 Highland Avenue, P.O. Box 887  
Niagara Falls, New York 14302-0887

Phone: (716) 278-3275

Results of the interview with Mr. Ogg are summarized in Section 1.3.2.

## **7.0 REVIEW OF SPECIAL RESOURCES**

Based on a review of documents at City offices, the property does not appear to have any special resource issues on or adjacent to it.

### **7.1 HISTORIC RESOURCES**

The half demolished on-site structure is not architecturally notable and is not associated with an important historical person or event. It, therefore, does not appear to meet the criteria of eligibility for inclusion in the State or National Register of Historic Places.

### **7.2 FARMLANDS**

Since the early 1900s, the property was used for industrial purposes.

### **7.3 RECREATIONAL AREAS**

The ESA did not uncover information indicating that the property was ever used for recreational purposes.

### **7.4 LAND USE**

Land uses in the area is mainly industrial. The site is compatible with its surrounding service area. The property is zoned for heavy industry (M-2).

### **7.5 WETLANDS AND FLOODPLAINS**

No protected federal or state wetland or floodplain areas (FIRM map panel 360506-0001-B) are associated with the subject property.

## **8.0 ENVIRONMENTAL ASSESSMENT SUMMARY AND CONCLUSIONS**

Based on the information collected during the ESA, the environmental risk for the property is expected to be moderate. Of note is the prior use of the property for heavy industrial

manufacturing for approximately 80 years and the numerous piles of demolition debris including some crushed and partially filled drums. Most of the materials observed, however, appear to be associated with carbon and graphite based products and may not have significant hazardous waste constituents. The property reportedly produced its own gas and contaminants may be associated with this operation. The oil sheen observed in the water filled pit may be associated with the can of motor oil also noted floating on the water. The water filled pits/channels may be associated with utility chases and/or the ovens used during manufacturing.

A search of government records revealed several RCRA, CERCLA, landfill, and petroleum facilities in the immediate area of the property. In addition, the surrounding area has been generally used for industrial purposes. Subsurface impacts to this property will be further accessed during the site investigation.

## **9.0 REMEDIAL GOALS AND DATA NEEDS**

### **9.1 REMEDIATION GOALS**

The remedial goals and data needs presented in this section are based on the results of the evaluation of information obtained during the Phase I ESA and the proposed plans for property development.

The proposed list of remedial goals developed for this project include:

- compliance with Standards, Criteria, and Guidance (SCG)
- clarify or eliminate the need for deed restrictions
- apply Beneficial Use Determinations (BUD) for the onsite use of contaminated soil and resale/salvage of demolition debris.
- determine the potential impacts to groundwater
- use of cost-effective, established, innovative or emerging technologies as applicable and appropriate
- cleanup environmental media, if necessary, to established property-specific risk-based levels based on toxicity levels, exposure pathways, the proposed development concept plan, and economic concerns
- provide long term monitoring of property, if necessary
- perform remediation actions that are compatible with local planning and development requirements and plans

### **9.2 DATA NEEDS**

The purpose of the SI as detailed in the scope of work contained in the work plan will be to further determine the likelihood of contamination at the property through the collection of specific samples, field screening and visual observation. Finalization of the remediation goals during the RAR portion of the project will rely on the data collected during the ESA and SI. This information will allow for the screening of various technologies for their capability to meet specific cleanup and redevelopment concept plan objectives.

Based on the information obtained during the ESA, specific data needs have been identified

and are further refined in the separate work plan document. Due to the apparent extent and thickness of the remaining concrete slab, as well as the identification of water filled pits, planned site investigation activities will be adjusted. These data needs include:

- obtain as-built diagrams of the former structures or conduct additional interviews of past employees to further explain site features such as the water-filled pits, thickness of the cement slab, and potential contamination areas.
- examine and describe subsurface conditions
- determine additional characterization needs of on-site debris
- analyze specific media including soil and water contained in on-site water-filled pits.
- identify the contaminants of concern, if any
- identify specific environmental media, potential pathways and effected receptors, if any
- identify any impacts to the development concept plan
- identify extent of remediation necessary, if any, to meet the property specific development goals of redevelopment for light industry and warehousing

The specific planned investigations and detailed schedule are presented in the project work plan document.

## **10.0 WARRANTS AND LIMITATIONS**

This plan is based on information from field reconnaissance and visual observations of the site and vicinity, and interpretation of the available information and documentation reviewed, as described within this report. This report is intended exclusively for the purpose outlined herein at the site location and project indicated. The property and this site assessment is limited to the footprint of the lot.

This report is intended for the sole use of the City of Niagara Falls and URS Greiner Woodward Clyde Consultants, Inc. in preparation for the SI/RAR and future re-development. The scope of services performed in this assessment may not be appropriate to satisfy the needs of other users and any use or re-use of this document or the findings, conclusions, or recommendations presented, is at the sole risk of the user.

The conclusions set forth in this report are based upon, and limited by, the government data and other information available to PEI. PEI is not able, within the scope of the project, to verify the accuracy of all data supplied by government entities and third parties. Therefore, PEI is not responsible for any conclusion contained in this report that is based on, in whole or in part, upon inaccurate data obtained from third parties.

It should be noted that all surface environmental assessments are inherently limited in the sense that conclusions are drawn and recommendations developed from information obtained from limited research and site evaluation at a specific time. The passage of time may result in a change in environmental circumstances at this site and surrounding properties, or hazardous materials beneath the surface or covered by debris may be present but undetectable during this phase of the SI/RAR. Verification of subsurface conditions, including the hazard potential of buried or covered debris, will be an aspect of the SI.

PEI does not provide professional legal or title insurance services and makes no guarantee.



explicit or implied, that the listing which was reviewed represented a comprehensive delineation of past site ownership or tenancy. The work performed in conjunction with this assessment and the data developed are intended as a description of available information at the dates and locations given.

Opinions and recommendations presented herein apply to the site conditions existing at the time of the assessment and those reasonably foreseeable. They cannot necessarily apply to site changes of which PEI is not aware and has not had the opportunity to evaluate.

## APPENDIX A



Figure 1 - Project Location, Hazorb Site, Niagara Falls, Niagara County, New York (USGS 7.5' Quadrangle, Niagara Falls, NY-Ont., 1980)

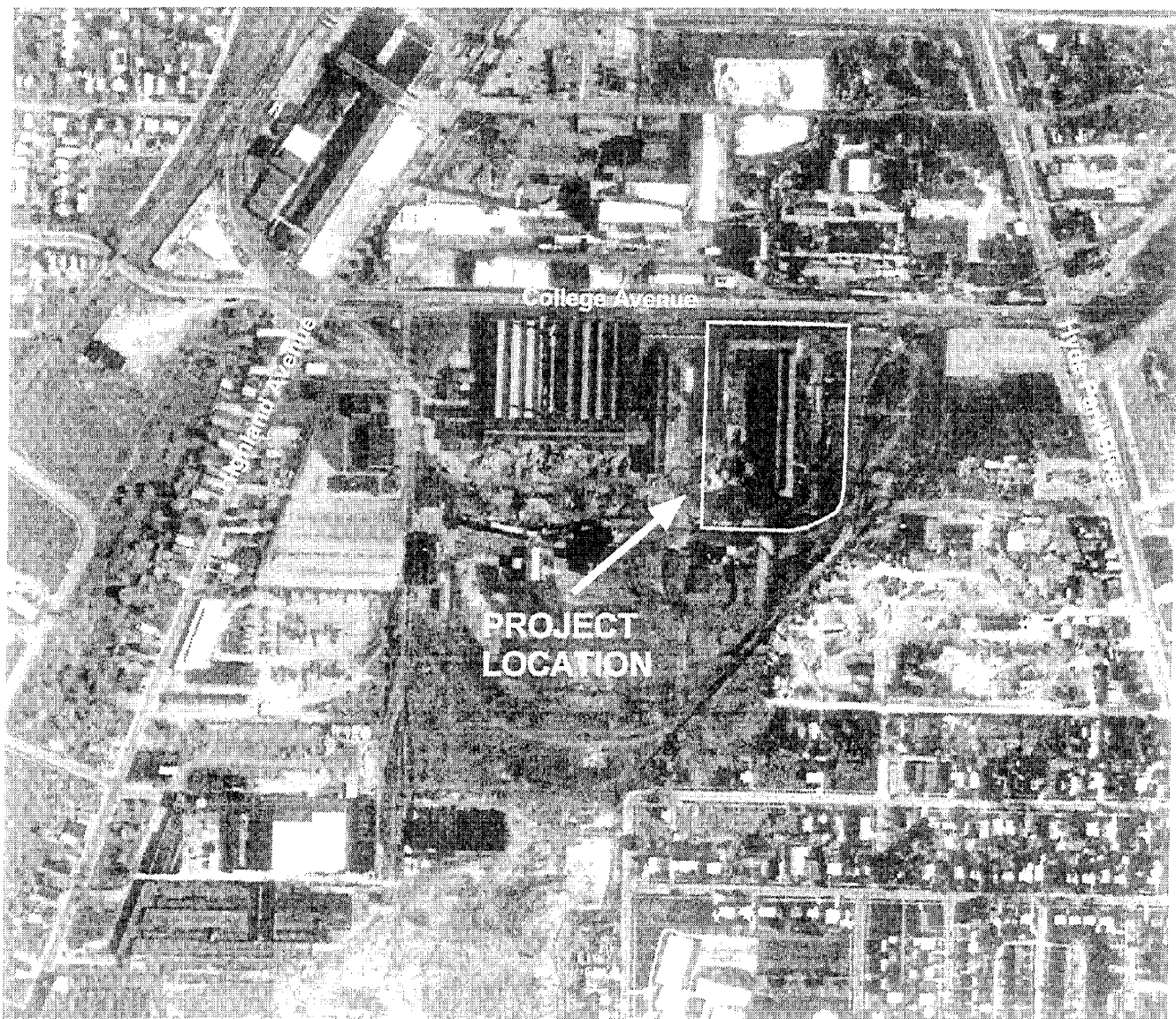
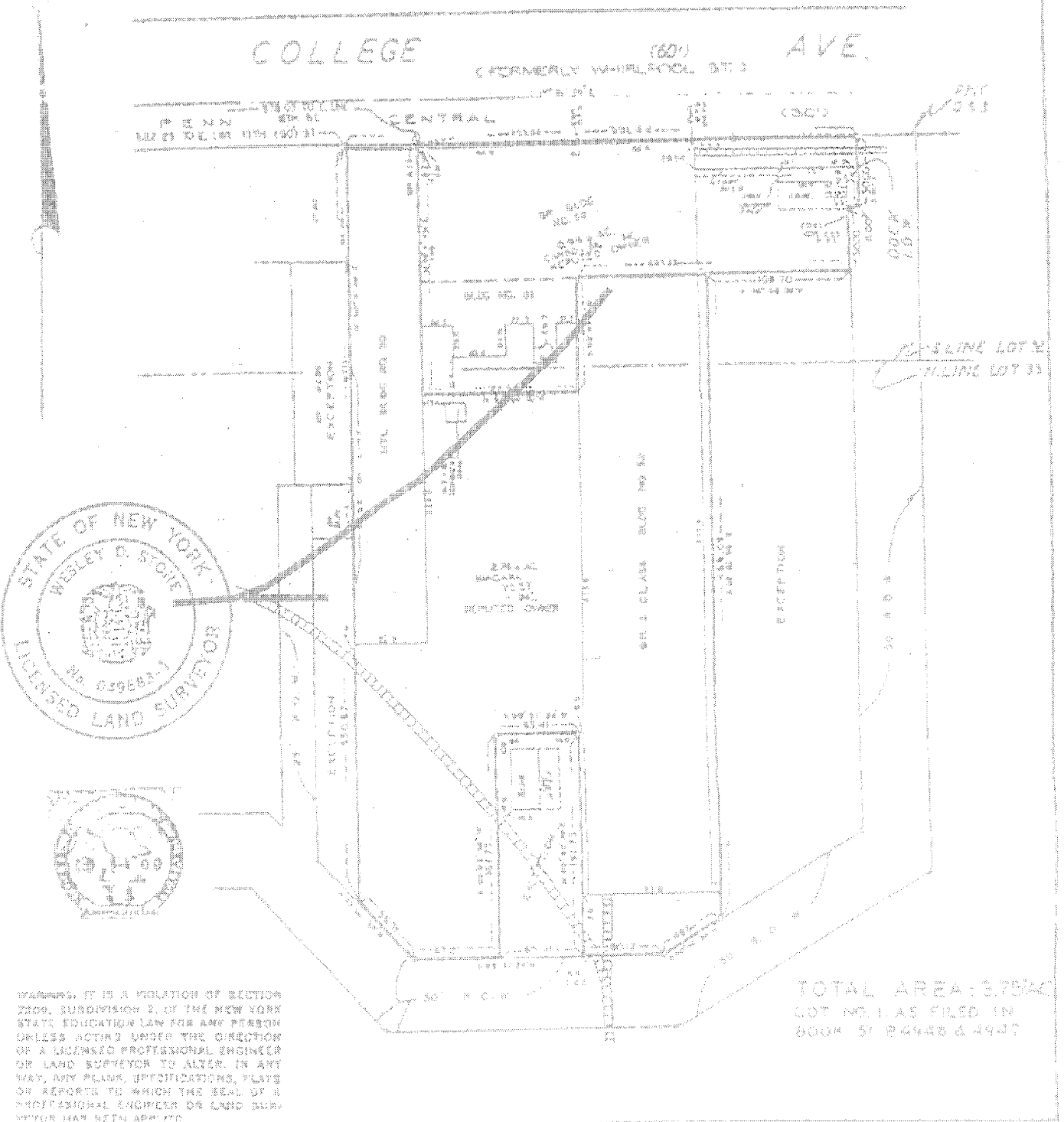


Figure 2 - Location of the Hazorb Site on the 1991 aerial photograph



<b>BISSELL</b>				BISSELL STONE ASSOCIATES ENGINEERING AND LAND SURVEYING, P.C. CIVIL ENGINEERING LAND SURVEYING SITE PLANNING CONSULTING BUFFALO-WESTERN NEW YORK	
DATE: 5-21-90	JOB NO: 443723	FIELD BOOK: 386/55	SCALE: 1" = 100'		
RE-SURVEYED					
SURVEY OF PART OF LOT 32 & 33 SECT. _____ TWP. _____ RANGE _____					
CITY: OF NIAGARA FALLS NIAGARA CO. NY - WILE RESERVATION					

Figure 3 - Survey map of parcels included in the Hazorb Site, Niagara Falls, New York

# MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

## GLOBE METALLURGICAL INC. (Continued)

U003079623

### PBS UST:

PBS Number:	9-120316	CBS Number:	Not reported
Town:	Not reported	SWIS ID:	2911
Telephone:	(716) 284-0146	Location:	Not reported
Operator:	RONALD STIPP		
Contact:	Not reported		
Emergency Contact:	RONALD STIPP, (716) 773-3854		
Facility Type:	MANUFACTURING		
Total Tanks:	4	Old PBS Num:	Not reported
Owner:	GLOBE METALLURGICAL INC.		

6450 ROCKSIDE WOODS BLVD. SOUTH #390  
CLEVELAND, OH 44131  
(216) 328-0145

Owner Type:	Corporate/Commercial	Owner Mark:	Third Owner
Owner Subtype:	Not reported		
Mailing Address:	GLOBE METALLURGICAL INC.		

3807 HIGHLAND AVE.  
NY 14305  
(716) 284-0146  
ATTN: RONALD STIPP

Facility Status:	Active	Total Capacity:	20000
Certification:	11/28/1995	Expiration:	12/20/1999
Tank Status:	Closed-In Place		
Tank Location:	UNDERGROUND		
Tank ID:	1	Install Date:	07/78
Product Stored:	NOS 1,2, OR 4 FUEL OIL	Tank Type:	Steel/carbon steel
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	NONE/NONE		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	03/91	Next Test Date:	N.T.R
Date Closed:	09/95	Test Method:	PETRO-TITE

# MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

## GLOBE METALLURGICAL INC. (Continued)

U003079623

PBS Number:	9-120316	CBS Number:	Not reported
Town:	Not reported	SWIS ID:	2911
Telephone:	(716) 284-0146	Location:	Not reported
Operator:	RONALD STIPP		
Contact:	Not reported		
Emergency Contact:	RONALD STIPP, (716) 773-3854		
Facility Type:	MANUFACTURING		
Total Tanks:	4	Old PBS Num:	Not reported
Owner:	GLOBE METALLURGICAL INC. 6450 ROCKSIDE WOODS BLVD.SOUTH #390 CLEVELAND, OH 44131 (216) 328-0145		
Owner Type:	Corporate/Commercial	Owner Mark:	Third Owner
Owner Subtype:	Not reported		
Mailing Address:	GLOBE METALLURGICAL INC. 3807 HIGHLAND AVE. NY 14305 (716) 284-0146 ATTN: RONALD STIPP		
Facility Status:	Active	Total Capacity:	1000
Certification:	11/28/1995	Expiration:	12/20/1999
Tank Status:	Closed-Removed		
Tank Location:	UNDERGROUND		
Tank ID:	2	Install Date:	07/78
Product Stored:	NOS 1,2, OR 4 FUEL OIL	Tank Type:	Steel/carbon steel
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	STEEL/IRON
Tank External:	NONE/NONE		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	09/95	Test Method:	Not reported

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

GLOBE METALLURGICAL INC. (Continued)

U003079623

PBS Number:	9-120316	CBS Number:	Not reported
Town:	Not reported	SWIS ID:	2911
Telephone:	(716) 284-0146	Location:	Not reported
Operator:	RONALD STIPP		
Contact:	Not reported		
Emergency Contact:	RONALD STIPP, (716) 773-3854		
Facility Type:	MANUFACTURING	Old PBS Num:	Not reported
Total Tanks:	4		
Owner:	GLOBE METALLURGICAL INC. 6450 ROCKSIDE WOODS BLVD. SOUTH #390 CLEVELAND, OH 44131 (216) 328-0145		
Owner Type:	Corporate/Commercial	Owner Mark:	Third Owner
Owner Subtype:	Not reported		
Mailing Address:	GLOBE METALLURGICAL INC. 3807 HIGHLAND AVE. NY 14305 (716) 284-0146 ATTN: RONALD STIPP		
Facility Status:	Active	Total Capacity:	10000
Certification:	11/28/1995	Expiration:	12/20/1999
Tank Status:	Closed Before April 1, 1991		
Tank Location:	UNDERGROUND	Install Date:	00/00
Tank ID:	3	Tank Type:	Steel/carbon steel
Product Stored:	NOS 1,2, OR 4 FUEL OIL	Pipe Internal:	Not reported
Tank Internal:	Not reported	Pipe Type:	Not reported
Pipe Location:	Not reported		
Tank External:	Not reported		
Pipe External:	Not reported		
Second Containment:	NONE	Dispenser:	Submersible
Leak Detection:	NONE	Next Test Date:	Not reported
Overfill Prot:	Not reported	Test Method:	Not reported
Date Tested:	Not reported		
Date Closed:	00/00		



# MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

## GLOBE METALLURGICAL INC. (Continued)

U003079623

PBS Number:	9-120316	CBS Number:	Not reported
Town:	Not reported	SWIS ID:	2911
Telephone:	(716) 284-0146	Location:	Not reported
Operator:	RONALD STIPP		
Contact:	Not reported		
Emergency Contact:	RONALD STIPP, (716) 773-3854		
Facility Type:	MANUFACTURING		
Total Tanks:	4	Old PBS Num:	Not reported
Owner:	GLOBE METALLURGICAL INC. 6450 ROCKSIDE WOODS BLVD.SOUTH #390 CLEVELAND, OH 44131 (216) 328-0145		
Owner Type:	Corporate/Commercial	Owner Mark:	Third Owner
Owner Subtype:	Not reported		
Mailing Address:	GLOBE METALLURGICAL INC. 3807 HIGHLAND AVE. NY 14305 (716) 284-0146 ATTN: RONALD STIPP		
Facility Status:	Active	Total Capacity:	1000
Certification:	11/28/1995	Expiration:	12/20/1999
Tank Status:	Closed-Removed		
Tank Location:	UNDERGROUND		
Tank ID:	4	Install Date:	12/75
Product Stored:	UNLEADED GASOLINE	Tank Type:	Steel/carbon steel
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	NONE
Tank External:	NONE/NONE		
Pipe External:	NONE/NONE		
Second Containment:	NONE/NONE		
Leak Detection:	NONE/NONE		
Overfill Prot:	None	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	09/95	Test Method:	Not reported

# MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

## GLOBE METALLURGICAL INC. (Continued)

U003079623

### PBS AST:

PBS Number: 9-120316 Telephone: GLOBE METALLUR  
Facility Status: Active Total Ast's: 4  
Owner: GLOBE METALLURGICAL INC.  
6450 ROCKSIDE WOODS BLVD.SOUTH #390  
CLEVELAND, OH 44131  
(216) 328-0145

Tank ID: 005 Capacity (Gal): 10000  
Tank Status: In Service  
Tank Location: ABOVEGROUND  
Product Stored: DIESEL Tank Type: Steel/carbon steel  
Install Date: 10/95 Tank Internal: NONE  
Tank External: NONE  
Tank Containment: PREFABRICATED STEEL DIKE  
Pipe Location: Aboveground Pipe Type: STEEL/IRON  
Pipe Internal: NONE  
Pipe External: NONE  
Leak Detection: NONE  
Overfill Prot: Automatic Shut-Off, Product Level Gauge Dispenser: Submersible  
Date Tested: Not reported Next Test Date: N.T.R  
Date Closed: Not reported Test Method: Not reported

PBS Number: 9-120316 Telephone: GLOBE METALLUR  
Facility Status: Active Total Ast's: 4  
Owner: GLOBE METALLURGICAL INC.  
6450 ROCKSIDE WOODS BLVD.SOUTH #390  
CLEVELAND, OH 44131  
(216) 328-0145

Tank ID: 006 Capacity (Gal): 1000  
Tank Status: In Service  
Tank Location: ABOVEGROUND  
Product Stored: UNLEADED GASOLINE Tank Type: Steel/carbon steel  
Install Date: 10/95 Tank Internal: NONE  
Tank External: NONE  
Tank Containment: PREFABRICATED STEEL DIKE  
Pipe Location: None Pipe Type: NONE  
Pipe Internal: NONE  
Pipe External: NONE  
Leak Detection: NONE  
Overfill Prot: Automatic Shut-Off, Product Level Gauge Dispenser: Submersible  
Date Tested: Not reported Next Test Date: N.T.R  
Date Closed: Not reported Test Method: Not reported

# MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

## GLOBE METALLURGICAL INC. (Continued)

U003079623

PBS Number: 9-120316 Telephone: GLOBE METALLUR  
Facility Status: Active Total Ast's: 4  
Owner: GLOBE METALLURGICAL INC.  
6450 ROCKSIDE WOODS BLVD.SOUTH #390  
CLEVELAND, OH 44131  
(216) 328-0145  
Tank ID: 007 Capacity (Gal): 500  
Tank Status: In Service  
Tank Location: ABOVEGROUND  
Product Stored: DIESEL Tank Type: Steel/carbon steel  
Install Date: 10/95 Tank Internal: NONE  
Tank External: NONE  
Tank Containment: PREFABRICATED STEEL DIKE  
Pipe Location: None Pipe Type: NONE  
Pipe Internal: NONE  
Pipe External: NONE  
Leak Detection: NONE  
Overfill Prot: Product Level Gauge Dispenser: Submersible  
Date Tested: Not reported Next Test Date: N.T.R  
Date Closed: Not reported Test Method: Not reported

PBS Number: 9-120316 Telephone: GLOBE METALLUR  
Facility Status: Active Total Ast's: 4  
Owner: GLOBE METALLURGICAL INC.  
6450 ROCKSIDE WOODS BLVD.SOUTH #390  
CLEVELAND, OH 44131  
(216) 328-0145  
Tank ID: 008 Capacity (Gal): 500  
Tank Status: In Service  
Tank Location: ABOVEGROUND  
Product Stored: USED OIL Tank Type: Steel/carbon steel  
Install Date: 10/95 Tank Internal: NONE  
Tank External: NONE  
Tank Containment: PREFABRICATED STEEL DIKE  
Pipe Location: None Pipe Type: NONE  
Pipe Internal: NONE  
Pipe External: NONE  
Leak Detection: NONE  
Overfill Prot: Product Level Gauge Dispenser: Suction  
Date Tested: Not reported Next Test Date: N.T.R  
Date Closed: Not reported Test Method: Not reported

10 TAM CERAMICS INC  
NNE 4511 HYDE PARK BLVD  
1/2-1 NIAGARA FALLS, NY 14305  
Higher

FINDS 1000106090  
RCRIS-LQG NYD097649078  
TRIS  
NY Spills  
LUST  
SHWS  
DDR 40T

# MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

## TAM CERAMICS INC (Continued)

1000106390

### RCRIS:

Owner: TAM CERAMICS INC  
(212) 555-1212

Contact: JOHN BOYCE  
(716) 278-9420

Record Date: 08/18/80

Classification: Large Quantity Generator

### BIENNIAL REPORTS:

Last Biennial Reporting Year: 1995

<u>Waste</u>	<u>Quantity (Lbs)</u>	<u>Waste</u>	<u>Quantity (Lbs)</u>
D001	3228.00	D002	150125104.25
D005	151252169.25	D006	1127065.00
D008	1129817.20	D019	19255.40
D039	3228.00		

Used Oil Recyc: No

Violation Status: No violations found

### FINDS:

Other Pertinent Environmental Activity Identified at Site:

- Facility is monitored or permitted for air emissions under the Clean Air Act (under AFS/AIRS)
- Civil judicial and administrative enforcement case against facility (under DOCKET)

# MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

## TAM CERAMICS INC (Continued)

1000106390

In the Summer of 1990, 178 drums of zirconium oxychloride wastes with clay were excavated from a trench at the central portion of the site. Analysis indicate these wastes to be non-hazardous. The drums have been removed for proper disposal at Modern Landfill, Lewiston, NY. Soils remain stockpiled on site. Trench excavations and soil/waste sampling was conducted in May 1992. Barium wastes were confirmed. TAM signed a Consent Order in January 1994 requiring the performance of an IRM and Preliminary Site Assessment (PSA). The PSA is currently underway with the final report expected in early 1995. TAM has also completed an Interim Remedial Measure (IRM) on the exposed Barium wastes found on the site.

### LUST:

Spill Number:	8709087	Region of Spill:	9
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	MJH	Spill Type:	Facility
Caller Name:	HENRY CHUDDY	Caller Agency:	ENVIRONMENTAL TECHNOLOGY
Caller Phone:	(716) 675-8855	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
Spiller Contact:	Not reported	Spiller Phone:	(716) 278-9400
Spiller:	TAM CERAMICS		
Address:	4511 HYDE PARK BLVD NIAGARA FALLS, NY 14305		
Spill Class:	Not reported		
Spill Closed Dt:	07/19/1988		
Spill Cause:	Tank Test Failure	Resource Affected:	Groundwater
Water Affected:	Not reported	Spill Source:	Other Commercial/Industrial
Spill Notifier:	Tank Tester	PBS Number:	Not reported
Spill Date:	01/25/1988 09:00	Reported to Dept:	01/25/1988 11:00
Cleanup Ceased:	07/19/1988		
Last Inspection:	Not reported		
Cleanup Meets Standard:	True		
Recommended Penalty:	No Penalty		
Spiller Cleanup Date:	Not reported		
Enforcement Date:	Not reported		
Investigation Complete:	Not reported		
UST Involvement:	True		
Spill Record Last Update:	07/28/1988		
Corrective Action Plan Submitted:	Not reported		
Date Spill Entered in Computer Data File:	01/25/1988		
Tank Number:	Not reported	Capacity (Gal):	0
Test Method:	Not reported	Leak Rate:	0.00
Gross Leak/Fail:	Not reported		
Material Class:	Petroleum	Material Code:	0009
Unkwn Quantity:	False	Unk Qt Recovered:	False
Quantity Spilled:	0	Quant Recovered:	0
Quantity Units:	Gallons		
Remark:	0000 GAL UNDERGROUND TANK FAILED TANK TEST		

# MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

TAM CERAMICS INC (Continued)

1000106390

## SPILLS:

Spill Number:	9609776	Region of Spill:	9
Facility Contact:	RUSS STEIGER	Facility Tele:	(716) 278-9423
Investigator:	SAC-NCHD	Spill Type:	UST
Caller Name:	RUSS STEIGER	Caller Agency:	TAM CERAMICS
Caller Phone:	(716) 278-9423	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
Spiller Contact:	Not reported	Spiller Phone:	(800) 982-9291
Spiller:	W.E. NICHOLS TRUCKING		
Address:	Not reported		
	Not reported		
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		
Spill Closed Dt:	01/28/1997		
Spill Cause:	Human Error	Resource Affected:	In Sewer
Water Affected:	Not reported	Spill Source:	Commercial Vehicle
Spill Notifier:	Affected Persons	PBS Number:	Not reported
Spill Date:	11/05/1996 13:00	Reported to Dept:	11/05/1996 15:36
Cleanup Ceased:	Not reported		
Last Inspection:	11/05/1996		
Cleanup Meets Standard:	True		
Recommended Penalty:	No Penalty		
Spiller Cleanup Date:	Not reported		
Enforcement Date:	Not reported		
Investigation Complete:	Not reported		
UST Involvement:	False		
Spill Record Last Update:	02/11/1997		
Corrective Action Plan Submitted:	Not reported		
Date Spill Entered In Computer Data File:	11/05/1996		
Tank Number:	Not reported	Capacity (Gal):	Not reported
Test Method:	Not reported	Leak Rate:	Not reported
Gross Leak/Fail:	Not reported		
Material Class:	Petroleum	Material Code:	0008
Unknown Quantity:	False	Unk Qt Recovered:	False
Quantity Spilled:	20	Quant Recovered:	20
Quantity Units:	Gallons		
Remark:	driver had his saddletank sliced open - spill was contained and picked up - id and city waste water treatment plant notified		

This is the most recent NY SPILLS record for this site.  
The NY SPILLS database contains 4 additional records for this site.  
Please contact your EDR Account Executive for more information.

# MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

## TAM CERAMICS INC (Continued)

1000106390

### CBS AST:

CBS Number: 9-000123  
Owner: TAM CERAMICS INC.  
BOX 67  
NIAGARA FALLS, NY 14305  
(716) 278-9400  
Facility Status: Active  
Tank ID: 00T60  
Tank Status: In Service  
Tank Location: ABOVEGROUND  
Install Date: 10/82  
Tank Type: Stainless steel alloy  
Extrnl Protection: PAINTED/ASPHALT COATING  
Intrnl Protection: NONE  
Tank Containment: VAULT  
Pipe Type: STEEL/IRON  
Pipe Internal: NONE  
Pipe External: NONE  
Pipe Containment: VAULT  
Leak Detection: NONE  
Overfill Protection: High Level Alarm  
Chemical: Not reported  
Acutely Hazardous: Not reported  
Case Number: 7550450  
MOSF Number: Not reported  
SPDES Number: Not reported  
Facility Type: Manufacturing  
Operator: DAVE FEATHERS  
Emrgncy Contact: RUSS STEIGER  
Certified Date: 03/18/97  
Owner type: Corporate/Commercial  
Owner Sub Type: Not reported  
Mail Name: TAM CERAMICS INC.  
Mail Contact: RUSS STEIGER  
4511 HYDE PARK BLVD  
NIAGARA FALLS, NY 14305  
Mail Phone: (716) 278-9400

Telephone: (716) 278-9478

Total AST's: 2

Capacity (Gal): Not reported  
Product Stored: LEADED GASOLINE

Pipe Location: Aboveground

Haz Percent: 100

Tank Closed: Not reported  
PBS Number: 9-920774  
SWIS Code: 2911  
ICS Number: 9-110091  
Lat/Long: 43107151 / 79101153  
Facility Town: NIAGARA FALLS (C)  
Emrgncy Phone: (716) 278-9423  
Expiration Date: 06/15/99  
Owner Mark: 1

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

TAM CERAMICS INC (Continued)

1000106390

CBS Number:	9-000123	Telephone:	(716) 278-9478
Owner:	TAM CERAMICS INC. BOX 67 NIAGARA FALLS, NY 14305 (716) 278-9400		
Facility Status:	Active	Total AST's:	2
Tank ID:	00003		
Tank Status:	In Service	Capacity (Gal):	Not reported
Tank Location:	ABOVEGROUND	Product Stored:	LEADED GASOLINE
Install Date:	10/89		
Tank Type:	Stainless steel alloy		
Extrnl Protection:	PAINTED/ASPHALT COATING		
Intrnl Protection:	NONE		
Tank Containment:	VAULT	Pipe Location:	Aboveground
Pipe Type:	STEEL/IRON		
Pipe Internal:	NONE		
Pipe External:	WRAPPED [PIPING]		
Pipe Containment:	VAULT	Haz Percent:	50
Leak Detection:	NONE		
Overfill Protection:	High Level Alarm		
Chemical:	Not reported	Tank Closed:	Not reported
Acutely Hazardous:	Not reported	PBS Number:	9-920774
Case Number:	1310732	SWIS Code:	2911
MOSF Number:	Not reported	ICS Number:	9-110091
SPDES Number:	Not reported	Lat/Long:	43.07151 / 79.01158
Facility Type:	Manufacturing	Facility Town:	NIAGARA FALLS (C)
Operator:	DAVE FEATHERS	Emergency Phone:	(716) 278-9429
Emergency Contact:	RUSS STEIGER	Expiration Date:	06/15/99
Certified Date:	03/18/97	Owner Mark:	1
Owner type:	Corporate/Commercial		
Owner Sub Type:	Not reported		
Mail Name:	TAM CERAMICS INC.		
Mail Contact:	RUSS STEIGER 4511 HYDE PARK BLVD NIAGARA FALLS, NY 14305		
Mail Phone:	(716) 278-9400		



MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

TAM CERAMICS INC (Continued)

1000106390

CBS Number:	9-000123	Telephone:	(716) 278-9479
Owner:	TAM CERAMICS INC. BOX 67 NIAGARA FALLS, NY 14305 (716) 278-9400		
Facility Status:	Active	Total AST's:	2
Tank ID:	00003		
Tank Status:	Closed-Removed		
Tank Location:	ABOVEGROUND	Capacity (Gal):	Not reported
Install Date:	03/88	Product Stored:	Not reported
Tank Type:	Stainless steel alloy		
Extrnl Protection:			
Intrnl Protection:	Not reported		
Tank Containment:	VAULT	Pipe Location:	Not reported
Pipe Type:	STEEL/IRON		
Pipe Internal:	Not reported		
Pipe External:			
Pipe Containment:		Haz Percent:	0
Leak Detection:			
Overfill Protection:			
Chemical:	Not reported		
Acutely Hazardous:	Not reported	Tank Closed:	00/00
Case Number:	1310732	PBS Number:	9-920774
MOSF Number:	Not reported	SWIS Code:	2911
SPDES Number:	Not reported	ICS Number:	9-110091
Facility Type:	Manufacturing	Lat/Long:	43°07'15" / 79°01'15"
Operator:	DAVE FEATHERS	Facility Town:	NIAGARA FALLS (C)
Emrgncy Contact:	RUSS STEIGER	Emrgncy Phone:	(716) 278-9420
Certified Date:	03/18/97	Expiration Date:	06/15/99
Owner type:	Corporate/Commercial	Owner Mark:	1
Owner Sub Type:	Not reported		
Mail Name:	TAM CERAMICS INC.		
Mail Contact:	RUSS STEIGER		
	4511 HYDE PARK BLVD		
	NIAGARA FALLS, NY 14305		
Mail Phone:	(716) 278-9400		

## ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
NIAGARA	S101008717	CARBORUNDUM COMPANY, GLOBAL	HYDE PARK BOULEVARD, RHODE ISLAND AVE	14305	SHWS	932036
NIAGARA	S101008712	WITMER ROAD SITE	JAMES AVENUE AT WITMER ROAD	14305	SHWS	932027
NIAGARA	S101008696	VANADIUM CORPORATION OF AMERICA	WITMER ROAD AT MARYLAND AVENUE	14305	SHWS	932001
NIAGARA FALLS	1000981150	NYSDOT BIN 1064999 - LASALLE EXPWY	RTE 951A BRG OVER BUFFALO	14305	FINDS, RCRIS-LOG	
NIAGARA FALLS	U001327275	H J KALFAS SCHOOL	BEECH AVE AT 17TH ST	14305	UST	9-079464
NIAGARA FALLS	S100155107	NF BOARD OF EDUCATION	1800 BEECH AVE	14305	LUST	8706550
NIAGARA FALLS	1000101589	S K W NEWCO INC	COLLEGE ST	14305	RCRIS-SQG, FINDS	
NIAGARA FALLS	1000212539	GENERAL ABRASIVE DIV DRESSER INC	2000 COLLEGE AVE	14305	FINDS, RCRIS-LOG	
NIAGARA FALLS	1000423284	UNITY PARK-PARKLAND CO NYS URBAN DEV	COLLEGE ST-HIGHLAND AVE	14305	RCRIS-SQG, FINDS	
NIAGARA FALLS	1000896014	GENERAL ABRASIVE TREIBACHER INC	200 COLLEGE AVE	14305	UST, AST	
NIAGARA FALLS	1000232808	NIAGARA DESIGNED INTERMEDIATES CORP	PORTER RD AT NEW RD	14305	FINDS, RCRIS-LOG	9-387614
NIAGARA FALLS	1000556362	NYSDOT BIN 1068279	RAMP TO 1190 OVER RTE 957	14305	FINDS, RCRIS-LOG	
NIAGARA FALLS	1000981151	NYSDOT BIN 1068142	ROBERT MOSES PKWY RTE 957A WB	14305	FINDS, RCRIS-LOG	
WHEATFIELD	S101008711	NIAGARA CO. REFUSE DISP.-WHEATFIELD	WITMER ROAD	14305	SHWS	932026

## GEOCHECK VERSION 2.1 ADDENDUM FEDERAL DATABASE WELL INFORMATION

Well Closest to Target Property (Northern Quadrant)

### BASIC WELL DATA

Site ID:	430823079022101	Distance from TP:	1 - 2 Miles
Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1961	County:	Niagara
Altitude:	585.00 ft.	State:	New York
Well Depth:	100.00 ft.	Topographic Setting:	Not Reported
Depth to Water Table:	48.00 ft.	Prim. Use of Site:	Observation
Date Measured:	05311961	Prim. Use of Water:	Unused

### LITHOLOGIC DATA

Geologic Age ID (Era/System/Series):	Silurian-Middle-Niagaran
Principal Lithology of Unit:	Not Reported
Further Description:	Not Reported

### WATER LEVEL VARIABILITY

Not Reported

# GEOCHECK VERSION 2.1

## FEDERAL DATABASE WELL INFORMATION

Well Closest to Target Property (Eastern Quadrant)

### BASIC WELL DATA

Site ID:	430739079014101	Distance from TP:	1/2 - 1 Mile
Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1950	County:	Niagara
Altitude:	620.00 ft.	State:	New York
Well Depth:	29.00 ft.	Topographic Setting:	Not Reported
Depth to Water Table:	12.80 ft.	Prim. Use of Site:	Withdrawal of water
Date Measured:	06011961	Prim. Use of Water:	Domestic

### LITHOLOGIC DATA

Geologic Age ID (Era/System/Series):	Silurian-Middle-Niagaran
Principal Lithology of Unit:	Not Reported
Further Description:	Not Reported

### WATER LEVEL VARIABILITY

Not Reported

# GEOCHECK VERSION 2.1

## FEDERAL DATABASE WELL INFORMATION

Well Closest to Target Property (Southern Quadrant)

### BASIC WELL DATA

Site ID:	430658079024201	Distance from TP:	1/4 - 1/2 Mile
Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1940	County:	Niagara
Altitude:	590.00 ft.	State:	New York
Well Depth:	119.00 ft.	Topographic Setting:	Not Reported
Depth to Water Table:	16.00 ft.	Prim. Use of Site:	Withdrawal of water
Date Measured:	01011962	Prim. Use of Water:	Industrial

### LITHOLOGIC DATA

Geologic Age ID (Era/System/Series):	Silurian-Middle-Niagaran
Principal Lithology of Unit:	Not Reported
Further Description:	Not Reported

### WATER LEVEL VARIABILITY

Not Reported

# GEOCHECK VERSION 2.1

## FEDERAL DATABASE WELL INFORMATION

Well Closest to Target Property (Western Quadrant)

### BASIC WELL DATA

Site ID:	430712079032701	Distance from TP:	1/2 - 1 Mile
Site Type:	Single well, other than collector or Ranney type		
Year Constructed:	1961	County:	Niagara
Altitude:	610.00 ft.	State:	New York
Well Depth:	110.00 ft.	Topographic Setting:	Not Reported
Depth to Water Table:	50.40 ft.	Prim. Use of Site:	Drain
Date Measured:	10171961	Prim. Use of Water:	Dewater

### LITHOLOGIC DATA

Geologic Age ID (Era/System/Series):	Silurian-Middle-Niagaran
Principal Lithology of Unit:	Not Reported
Further Description:	Not Reported

### WATER LEVEL VARIABILITY

Not Reported

**GEOCHECK VERSION 2.1**  
**PUBLIC WATER SUPPLY SYSTEM INFORMATION**

Searched by Nearest PWS.

**PWS SUMMARY:**

PWS ID:	NY0004581	PWS Status:	Active	Distance from TP:	>2 Miles
Date Initiated:	Not Reported	Date Deactivated:	Not Reported	Dir relative to TP:	North
PWS Name:	TULLY HILL & DALE ROUTE 80 FABIUS, NY 13063				

Addressee / Facility:	System Owner/Responsible Party BLAKELY HENRY R TULLY HILL-N-DALE CC INC BOX 678 TULLY, NY 13159
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Facility Latitude:	43 10 21	Facility Longitude:	079 02 09
City Served:	FABIUS (T)	Population Served:	Not Reported
Treatment Class	Not Reported		

PWS currently has or has had major violation(s): No

## EPA Waste Codes Addendum

Code	Description
D001	IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.
D002	A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.
D005	BARIUM
D006	CADMIUM
D008	LEAD
D019	CARBON TETRACHLORIDE
D039	TETRACHLOROETHYLENE
F020	WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TRI- OR TETRACHLOROPHENOL, OR OF INTERMEDIATES USED TO PRODUCE THEIR PESTICIDE DERIVATIVES. (THIS LISTING DOES NOT INCLUDE WASTES FROM THE PRODUCTION OF HEXACHLOROPHENE FROM HIGHLY PURIFIED 2,4,5-TRICHLOROPHENOL).
U044	CHLOROFORM
U044	METHANE, TRICHLORO-
U045	METHANE, CHLORO- (I, T)
U045	METHYL CHLORIDE (I,T)
U081	2,4-DICHLOROPHENOL
U081	PHENOL, 2,4-DICHLORO-
U130	1,3-CYCLOPENTADIENE, 1,2,3,4,5,6-HEXACHLORO-
U130	HEXACHLOROCYCLOPENTADIENE
U166	PHENOL
U209	ETHANE, 1,1,2,2-TETRACHLORO-
U209	1,1,2,2-TETRACHLOROETHANE



## EPA Waste Codes Addendum

Code	Description
U210	ETHENE, TETRACHLORO-
U210	TETRACHLOROETHYLENE
U228	ETHENE, TRICHLORO-
U228	TRICHLOROETHYLENE

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

**Elapsed ASTM days:** Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

### FEDERAL ASTM RECORDS:

**CERCLIS:** Comprehensive Environmental Response, Compensation, and Liability Information System

Source: EPA/NTIS

Telephone: 703-413-0223

CERCLIS contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 08/01/97

Date Made Active at EDR: 11/28/97

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 10/01/97

Elapsed ASTM days: 58

Date of Last EDR Contact: 01/05/98

**ERNS:** Emergency Response Notification System

Source: EPA/NTIS

Telephone: 202-260-2342

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 09/30/97

Date Made Active at EDR: 01/02/98

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 12/04/97

Elapsed ASTM days: 29

Date of Last EDR Contact: 12/01/97

**NPL:** National Priority List

Source: EPA

Telephone: 703-603-8852

National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC).

Date of Government Version: 09/25/97

Date Made Active at EDR: 11/28/97

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 09/26/97

Elapsed ASTM days: 63

Date of Last EDR Contact: 02/06/98

**RCRIS:** Resource Conservation and Recovery Information System

Source: EPA/NTIS

Telephone: 800-424-9346

Resource Conservation and Recovery Information System. RCRIS includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA).

Date of Government Version: 10/01/97

Date Made Active at EDR: 12/03/97

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 11/07/97

Elapsed ASTM days: 28

Date of Last EDR Contact: 02/10/98

**CORRACTS:** Corrective Action Report

Source: EPA

Telephone: 800-424-9346

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/15/97

Date Made Active at EDR: 02/02/98

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 01/05/98

Elapsed ASTM days: 28

Date of Last EDR Contact: 01/03/98

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### FEDERAL NON-ASTM RECORDS:

#### BRS: Biennial Reporting System

Source: EPA/NTIS

Telephone: 800-424-9346

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/95

Database Release Frequency: Biennially

Date of Last EDR Contact: 12/22/97

Date of Next Scheduled EDR Contact: 03/23/98

#### CONSENT: Superfund (CERCLA) Consent Decrees

Source: EPA Regional Offices

Telephone: Varies

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: Varies

Database Release Frequency: Varies

Date of Last EDR Contact: Varies

Date of Next Scheduled EDR Contact: N/A

#### FINDS: Facility Index System

Source: EPA/NTIS

Telephone: 703-908-2493

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 04/01/97

Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/23/98

Date of Next Scheduled EDR Contact: 04/06/98

#### HMIRS: Hazardous Materials Information Reporting System

Source: U.S. Department of Transportation

Telephone: 202-366-4526

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/96

Database Release Frequency: Annually

Date of Last EDR Contact: 01/27/98

Date of Next Scheduled EDR Contact: 04/27/98

#### MLTS: Material Licensing Tracking System

Source: Nuclear Regulatory Commission

Telephone: 301-415-7169

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 10/01/97

Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/12/98

Date of Next Scheduled EDR Contact: 04/13/98

#### NPL LIENS: Federal Superfund Liens

Source: EPA

Telephone: 205-564-4267

Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 11/24/97

Date of Next Scheduled EDR Contact: 02/23/98

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### PADS: PCB Activity Database System

Source: EPA

Telephone: 202-260-3936

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 03/27/97

Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 11/17/97

Date of Next Scheduled EDR Contact: 02/16/98

### RAATS: RCRA Administrative Action Tracking System

Source: EPA

Telephone: 202-564-4104

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/95

Database Release Frequency: No Update Planned

Date of Last EDR Contact: 12/15/97

Date of Next Scheduled EDR Contact: 03/16/98

### ROD: Records Of Decision

Source: NTIS

Telephone: 703-416-0223

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 03/31/95

Database Release Frequency: Annually

Date of Last EDR Contact: 12/12/97

Date of Next Scheduled EDR Contact: 03/02/98

### TRIS: Toxic Chemical Release Inventory System

Source: EPA/NTIS

Telephone: 202-260-1531

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/95

Database Release Frequency: Annually

Date of Last EDR Contact: 12/23/97

Date of Next Scheduled EDR Contact: 03/30/98

### TSCA: Toxic Substances Control Act

Source: EPA/NTIS

Telephone: 202-260-1444

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site. USEPA has no current plan to update and/or re-issue this database.

Date of Government Version: 01/31/95

Database Release Frequency: Annually

Date of Last EDR Contact: 12/15/97

Date of Next Scheduled EDR Contact: 03/16/98

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### STATE OF NEW YORK ASTM RECORDS:

#### LUST: Spills Information Database

Source: Department of Environmental Conservation

Telephone: 518-457-2462

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 09/30/97

Date Made Active at EDR: 12/23/97

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 11/24/97

Elapsed ASTM days: 29

Date of Last EDR Contact: 01/26/98

#### SHWS: Inactive Hazardous Waste Disposal Sites in New York State

Source: Department of Environmental Conservation

Telephone: 518-457-0747

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: 04/30/96

Date Made Active at EDR: 06/06/96

Database Release Frequency: Annually

Date of Data Arrival at EDR: 05/06/96

Elapsed ASTM days: 31

Date of Last EDR Contact: 01/28/98

#### LF: Facility Register

Source: Department of Environmental Conservation

Telephone: 518-457-2051

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 06/30/97

Date Made Active at EDR: 11/19/97

Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 08/25/97

Elapsed ASTM days: 86

Date of Last EDR Contact: 01/07/98

#### UST: Petroleum Bulk Storage (PBS, CBS, MOSF) Database (UST)

Source: Department of Environmental Conservation

Telephone: 518-457-4351

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 06/30/97

Date Made Active at EDR: 11/19/97

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 10/14/97

Elapsed ASTM days: 66

Date of Last EDR Contact: 02/02/98

#### CBS UST: CBS Underground Storage Tanks

Source: NYSDEC

Telephone: 518-457-4351

Date of Government Version: 06/30/97

Date Made Active at EDR: 11/19/97

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 09/05/97

Elapsed ASTM days: 75

Date of Last EDR Contact: 02/02/98

#### MOSF UST: MOSF Underground Storage Tanks

Source: NYSDEC

Telephone: 518-457-4351

Date of Government Version: 06/30/97

Date Made Active at EDR: 11/19/97

Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 09/05/97

Elapsed ASTM days: 75

Date of Last EDR Contact: 02/02/98

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### STATE OF NEW YORK NON-ASTM RECORDS:

#### AST: Petroleum Bulk Storage (AST)

Source: Department of Environmental Conservation

Telephone: 518-457-4351

Registered Aboveground Storage Tanks.

Date of Government Version: 06/30/97

Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/02/98

Date of Next Scheduled EDR Contact: 05/04/98

#### CBS AST: CBS Aboveground Storage Tanks

Source: NYSDEC

Telephone: 518-457-4351

Date of Government Version: 06/30/97

Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/02/98

Date of Next Scheduled EDR Contact: 05/04/98

#### MOSF AST: MOSF Aboveground Storage Tanks

Source: NYSDEC

Telephone: 518-457-4351

Date of Government Version: 06/30/97

Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/02/98

Date of Next Scheduled EDR Contact: 05/04/98

#### HSWDS: Hazardous Substance Waste Disposal Site Inventory

Source: Department of Environmental Conservation

Telephone: 518-457-0639

The list includes any known or suspected hazardous substance waste disposal sites. Also included are sites delisted from the Registry of Inactive Hazardous Waste Disposal Sites and non-registry sites which U.S. EPA Preliminary Assessment (PA) reports or Site Investigation (SI) reports were prepared.

Date of Government Version: N/A

Database Release Frequency: N/A

Date of Last EDR Contact: N/A

Date of Next Scheduled EDR Contact: N/A

#### SPILLS: Spills Information Database

Source: Department of Environmental Conservation

Telephone: 518-457-2462

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

Date of Government Version: 09/30/97

Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/26/98

Date of Next Scheduled EDR Contact: 04/27/98

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## NEW YORK COUNTY RECORDS

### CORTLAND COUNTY:

#### Cortland County UST Listing (AST)

Source: Cortland County Health Department  
Telephone: 607-753-5035

Date of Government Version: 09/18/97  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/08/97  
Date of Next Scheduled EDR Contact: 03/09/98

#### Cortland County UST Listing (UST)

Source: Cortland County Health Department  
Telephone: 607-753-5035

Date of Government Version: 09/18/97  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/08/97  
Date of Next Scheduled EDR Contact: 03/09/98

### NASSAU COUNTY:

#### NCPHO Article XI Database (AST)

Source: Nassau County Health Department  
Telephone: 516-571-3314

Date of Government Version: 10/15/97  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/05/98  
Date of Next Scheduled EDR Contact: 04/06/98

#### NCPHO Article XI Database (UST)

Source: Nassau County Health Department  
Telephone: 516-571-3314

Date of Government Version: 10/15/97  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 01/05/98  
Date of Next Scheduled EDR Contact: 04/06/98

### ROCKLAND COUNTY:

#### Petroleum Bulk Storage Database (AST)

Source: Rockland County Health Department  
Telephone: 914-364-2605

Date of Government Version: 09/19/97  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/08/97  
Date of Next Scheduled EDR Contact: 03/09/98

#### Petroleum Bulk Storage Database (UST)

Source: Rockland County Health Department  
Telephone: 914-364-2605

Date of Government Version: 09/19/97  
Database Release Frequency: Quarterly

Date of Last EDR Contact: 12/08/97  
Date of Next Scheduled EDR Contact: 03/09/98

### SUFFOLK COUNTY:

#### Underground Storage Tank Database (AST)

Source: Suffolk County Department of Health Services  
Telephone: 516-854-2521

Date of Government Version: 03/01/96  
Database Release Frequency: Annually

Date of Last EDR Contact: 12/08/97  
Date of Next Scheduled EDR Contact: 03/09/98

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### Underground Storage Tank Database (UST)

Source: Suffolk County Department of Health Services  
Telephone: 516-854-2521

Date of Government Version: 02/21/97  
Database Release Frequency: Annually

Date of Last EDR Contact: 12/08/97  
Date of Next Scheduled EDR Contact: 03/09/98

### Historical and Other Database(s)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

**Former Manufactured Gas (Coal Gas) Sites:** The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

### Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

### DELISTED NPL: NPL Deletions

Source: EPA  
Telephone: 703-603-8769

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 09/25/97  
Date Made Active at EDR: 11/28/97  
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 09/26/97  
Elapsed ASTM days: 63  
Date of Last EDR Contact: 02/06/98

### NFRAP: No Further Remedial Action Planned

Source: EPA/NTIS  
Telephone: 703-413-0223

As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (NFRAP) have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 06/01/97  
Date Made Active at EDR: 08/09/97  
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 07/14/97  
Elapsed ASTM days: 26  
Date of Last EDR Contact: 01/05/98



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-260-2805

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

### PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-260-2805

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SWDIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

**Area Radon Information:** The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

**Oil/Gas Pipelines/Electrical Transmission Lines:** This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines and electrical transmission lines.

**Sensitive Receptors:** There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

**USGS Water Wells:** In November 1971 the United States Geological Survey (USGS) implemented a national water resource information tracking system. This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on more than 900,000 wells, springs, and other sources of groundwater.

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1996 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI: National Wetlands Inventory.** This data, available in select counties across the country, was obtained by EDR in March 1997 from the U.S. Fish and Wildlife Service.

**Epicenters:** World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

**Water Dams:** National Inventory of Dams

Source: Federal Emergency Management Agency

Telephone: 202-646-2801

National computer database of more than 74,000 dams maintained by the Federal Emergency Management Agency.

### New York Public Water Wells

Source: New York Department of Health

Telephone: 518-458-6731

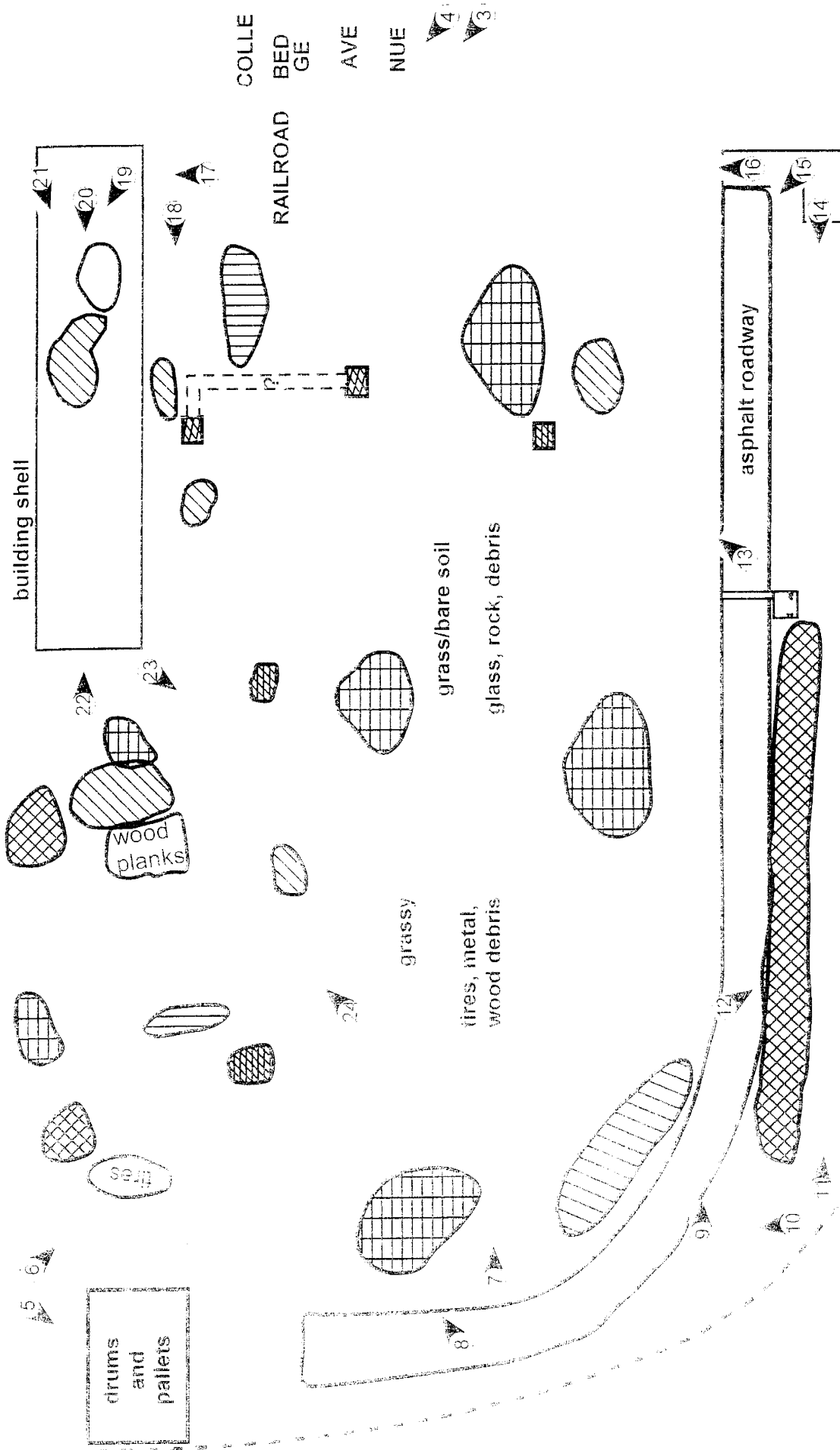
## APPENDIX C

# PHOTO ANGLE MAP

PHOTO ANGLE



N



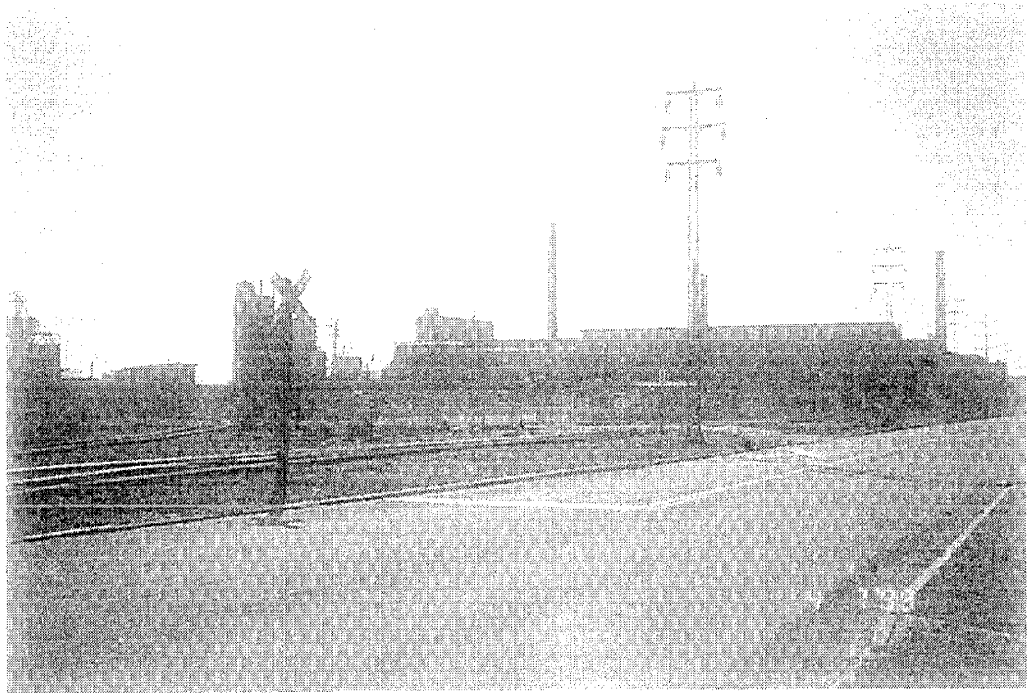


Photo 1 - View of the Hazorb Site from the intersection of College Avenue and Hyde Park Blvd., facing southwest

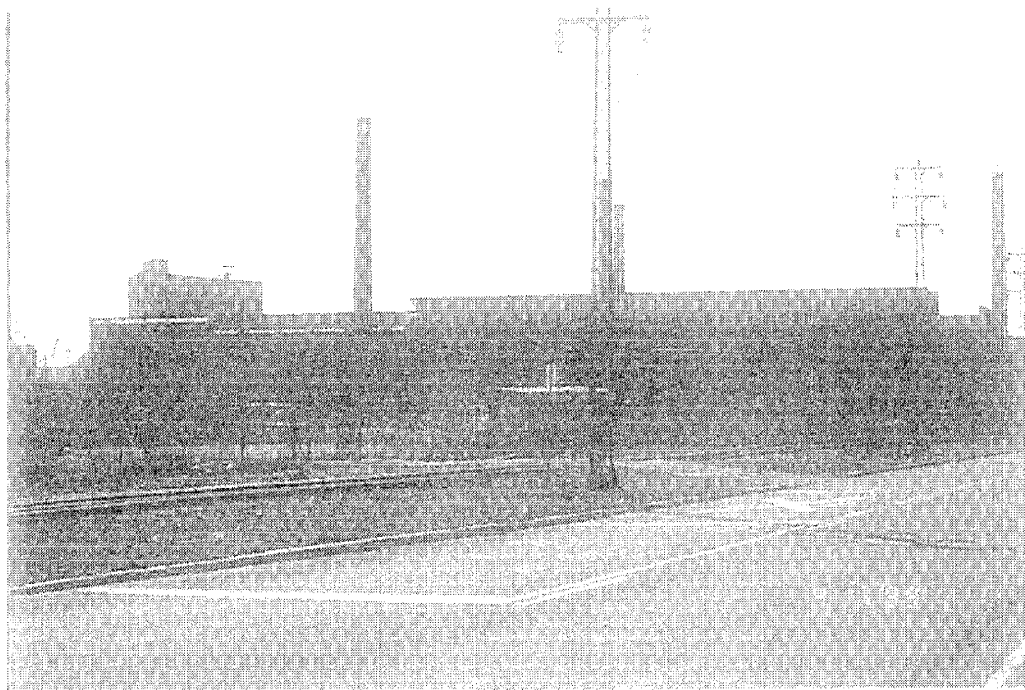


Photo 2 - View of the Hazorb Site from the intersection of College Avenue and Hyde Park Blvd. facing southwest

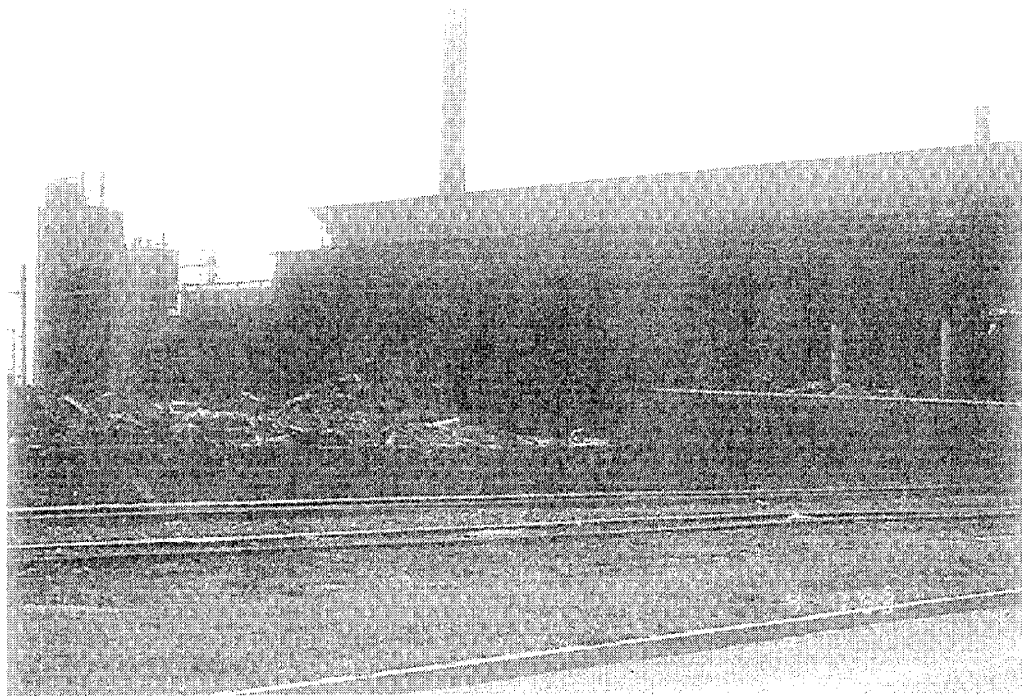


Photo 3 - View of the Hazorb Site showing the building shell from College Avenue, facing southwest.

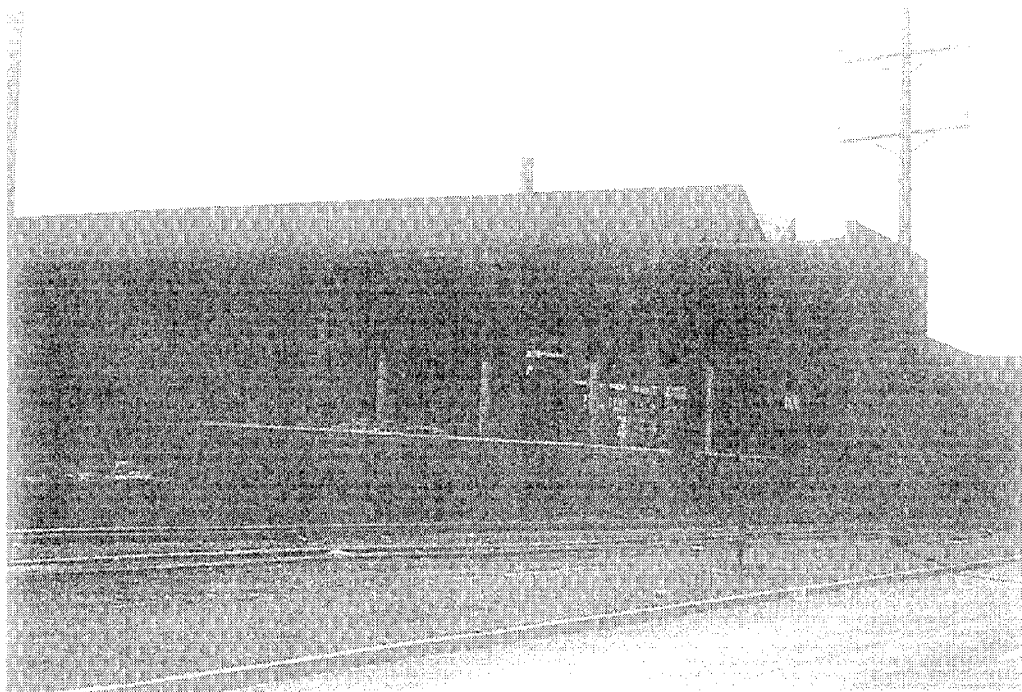


Photo 4 - View of the Hazorb Site showing the building shell from College Avenue, facing southwest.

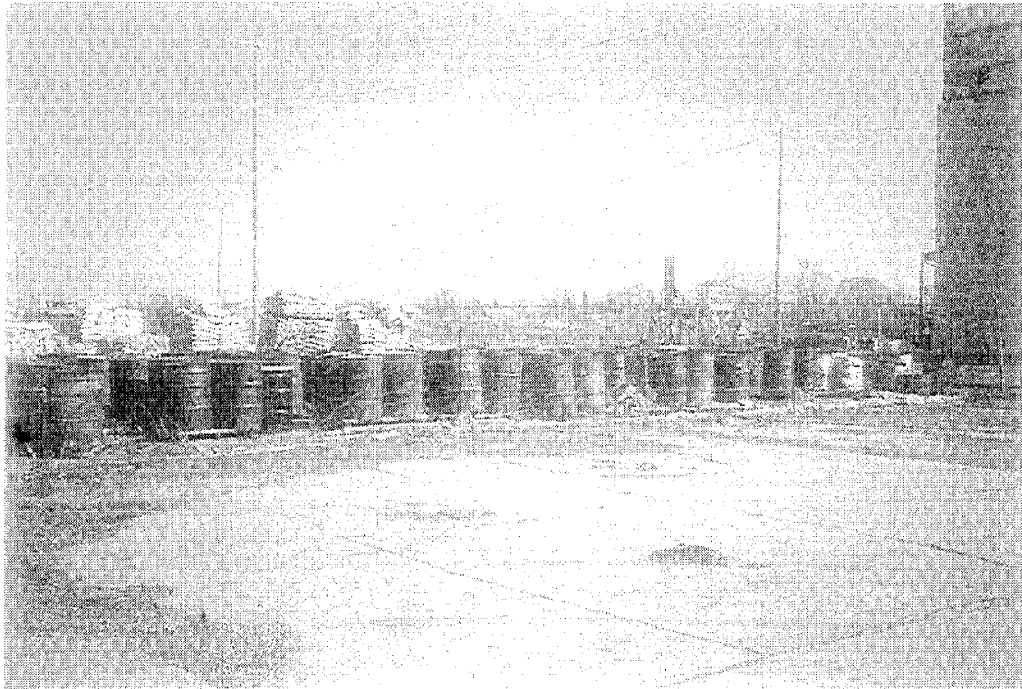


Photo 5 - View of the drums and pallets at the southwest corner of the Hazorb Site, facing southeast.

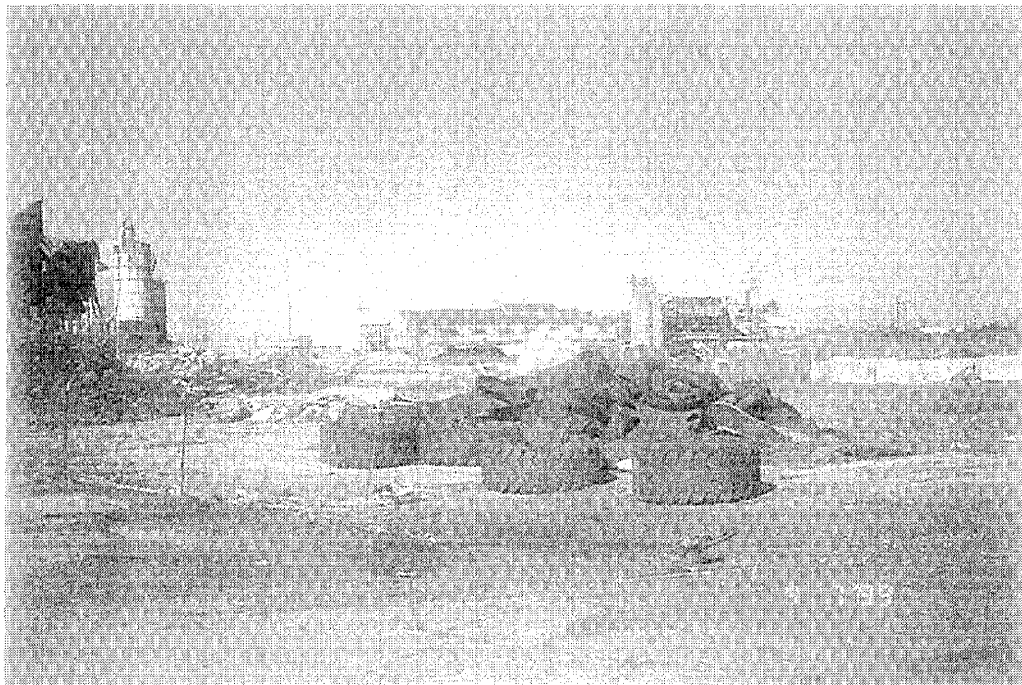


Photo 6 - View of a pile of fires at the southwest corner of the Hazorb Site, facing northeast

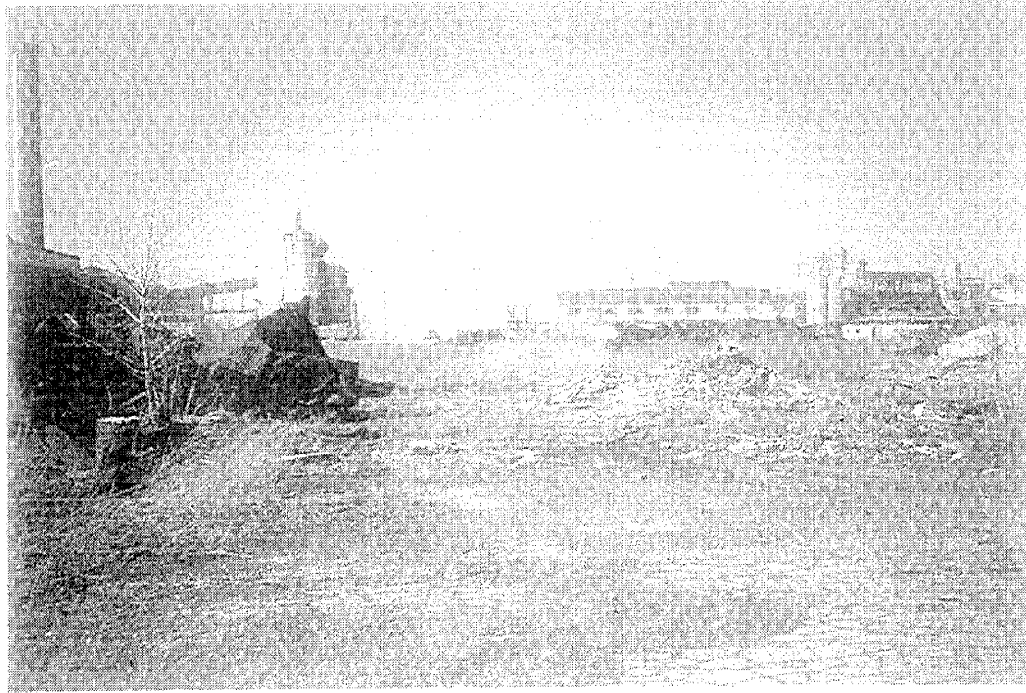


Photo 7 - View of the Hazorb Site from the south end of the site, facing north



Photo 8 - View of a large pile of corrugated metal at the south end of the Hazorb Site from the asphalt roadway, facing northwest





Photo 9 - View of the asphalt roadway along the east side of the Hazorb Site from the south end of the site, facing north.

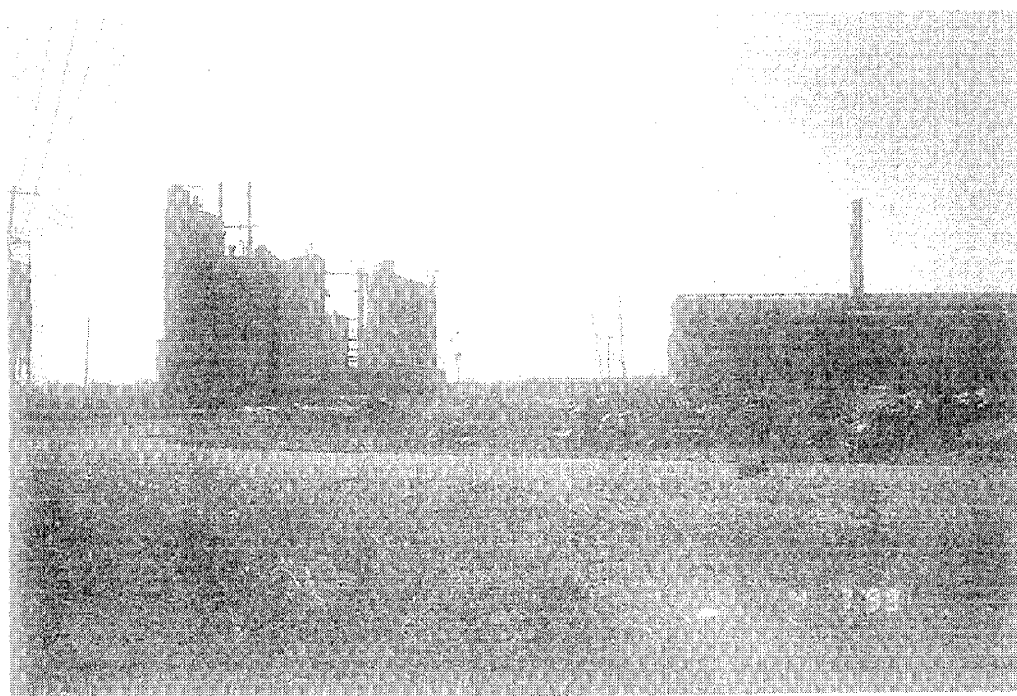


Photo 10 - View of the southern portion of the Hazorb Site from the fence line, facing west-southwest.



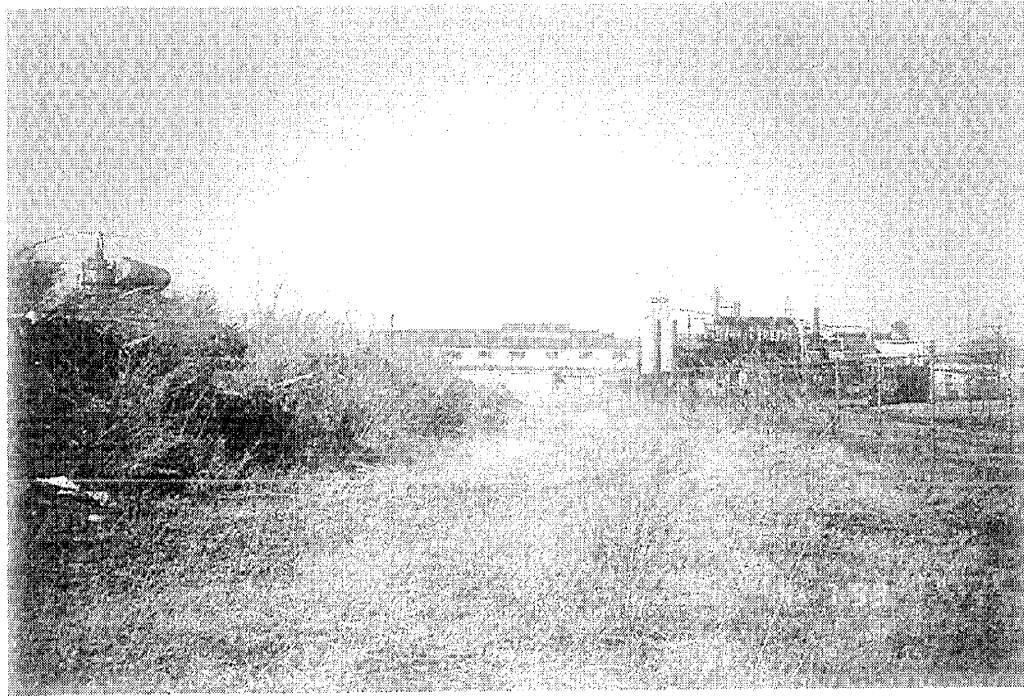


Photo 11 - View of the eastern section of the Hazorb Site along the fence line, facing north.



Photo 12 - View of the large pile of soil and granular material along the east side of the roadway at the Hazorb Site from the roadway, facing northeast.

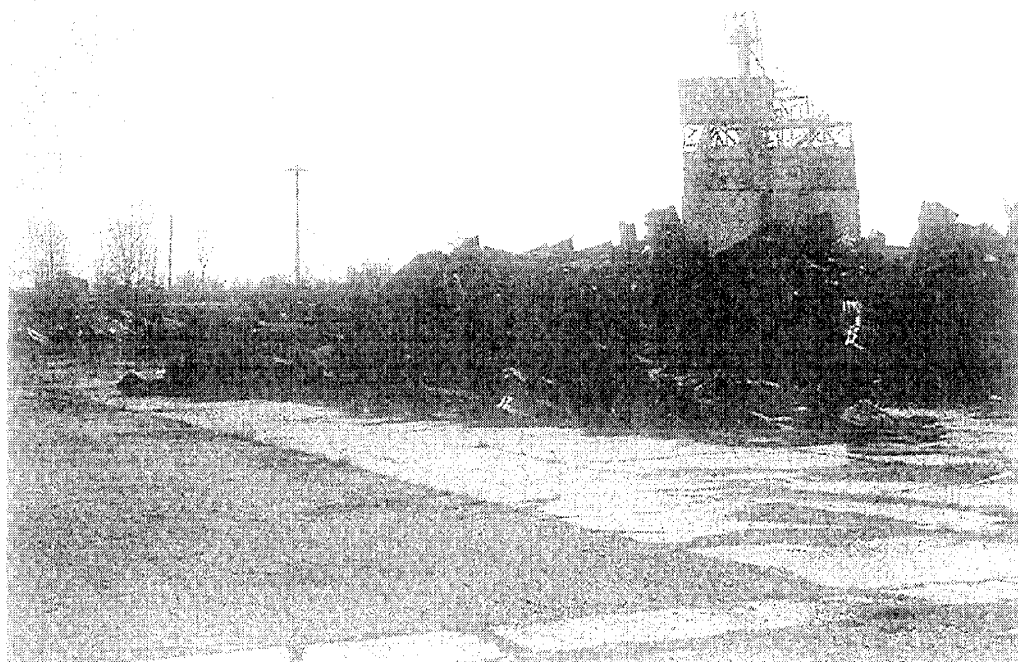


Photo 13 - View of a large pile of corrugated metal on the east side of the Hazorb Site from the roadway, facing southwest.

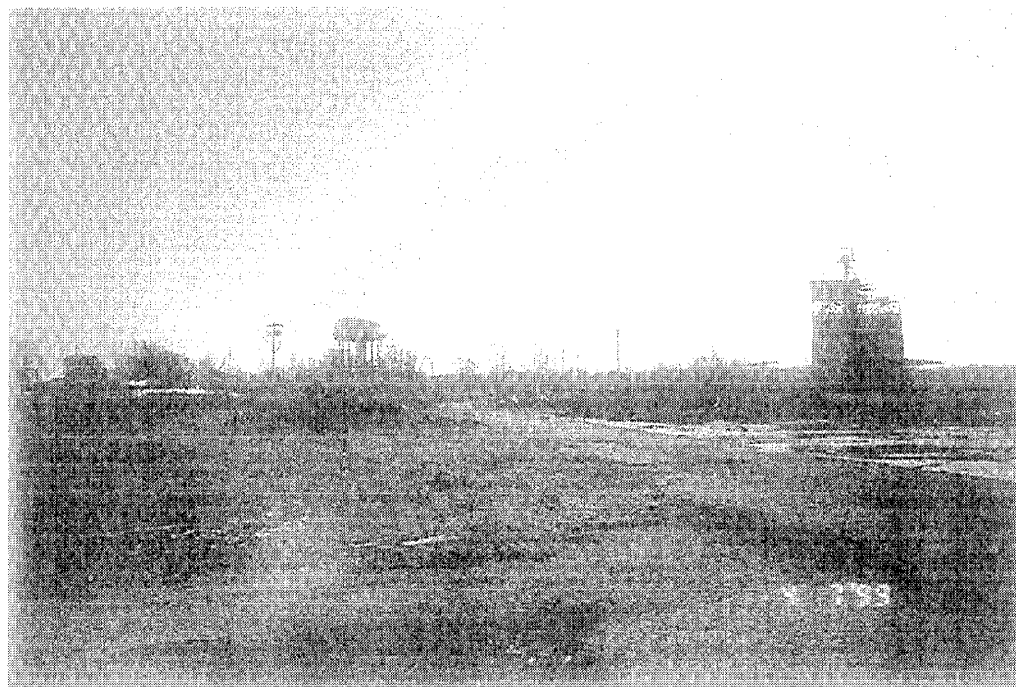


Photo 14 - View of the eastern section of the Hazorb Site from the loading dock at the northeast corner of the site, facing south.

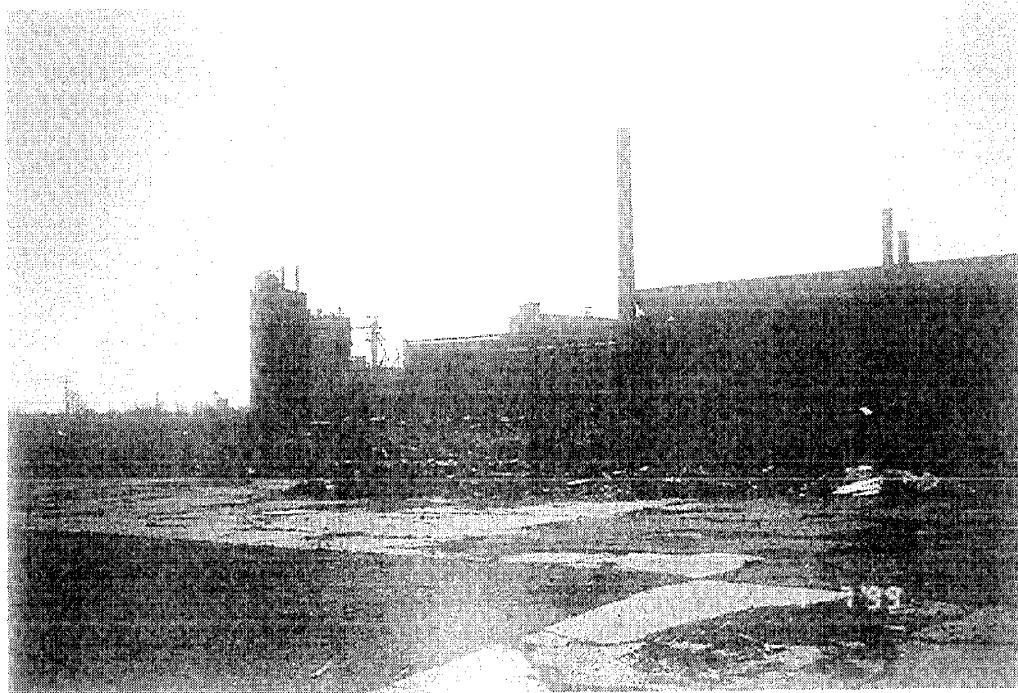


Photo 15 - View of the midsection of the Hazorb Site from the loading dock at the northeast corner of the site, facing southwest.

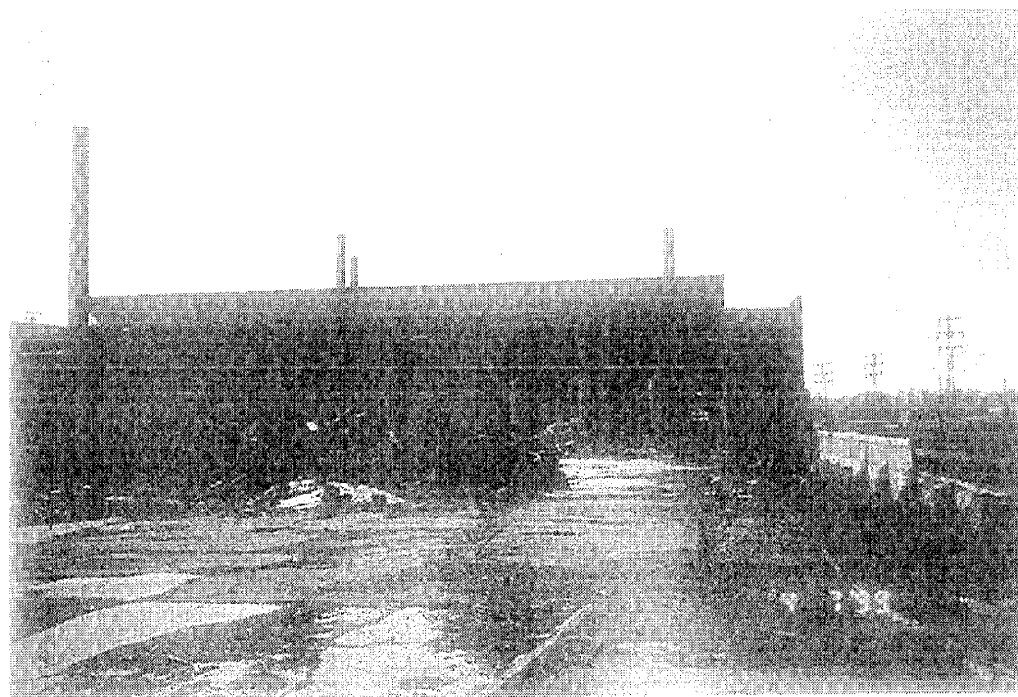


Photo 16 - View of the northern section of the Hazorb Site toward the building shell from the loading dock at the northeast corner of the site, facing west.



Photo 17 - View of the interior of the building shell at the Hazorb Site (north end) from just outside of the building, facing west.



Photo 18 - View of the debris piles adjacent to the east wall of the building shell at the Hazorb Site from the north end of the site, facing south.



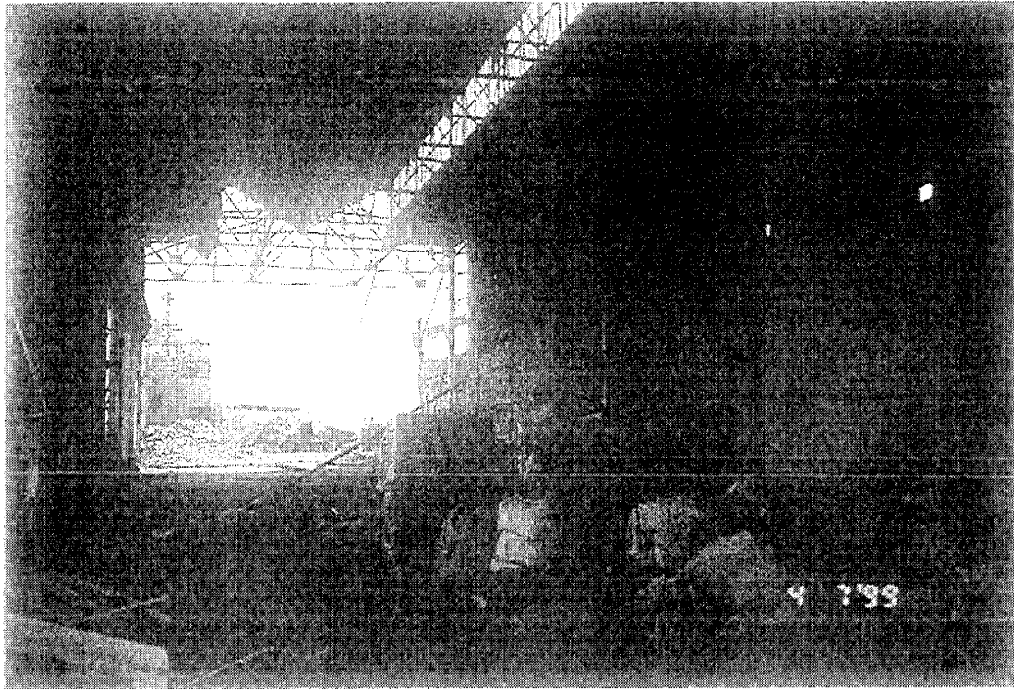


Photo 19 - View of the interior of the building shell at the Hazorb Site from the north end, facing south-southwest.

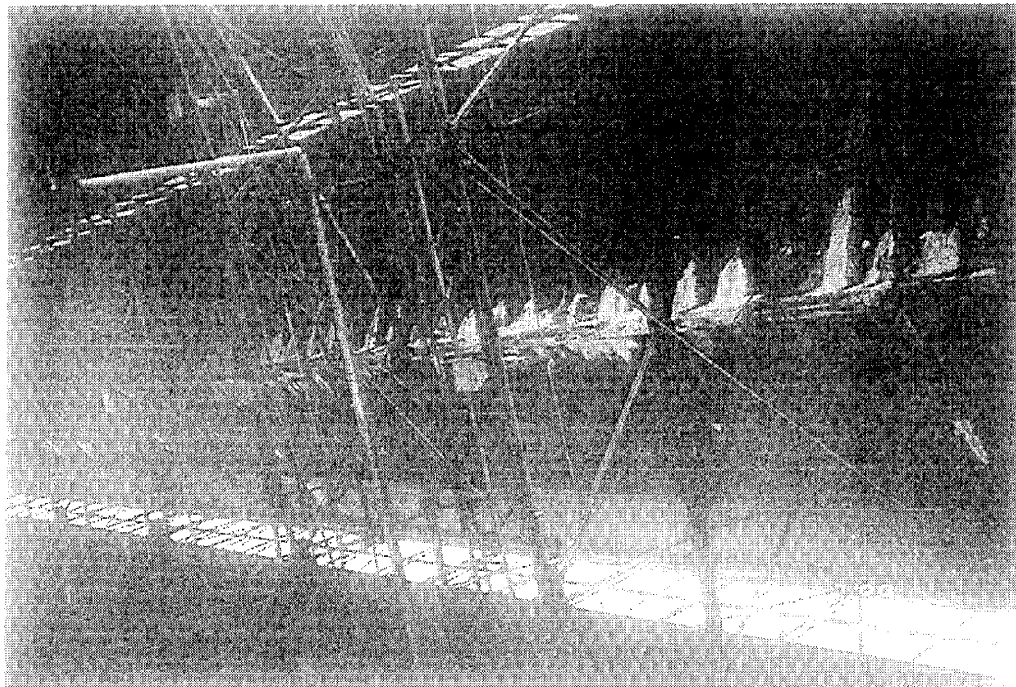


Photo 20 - View of the ceiling of the building shell at the Hazorb Site, facing south.



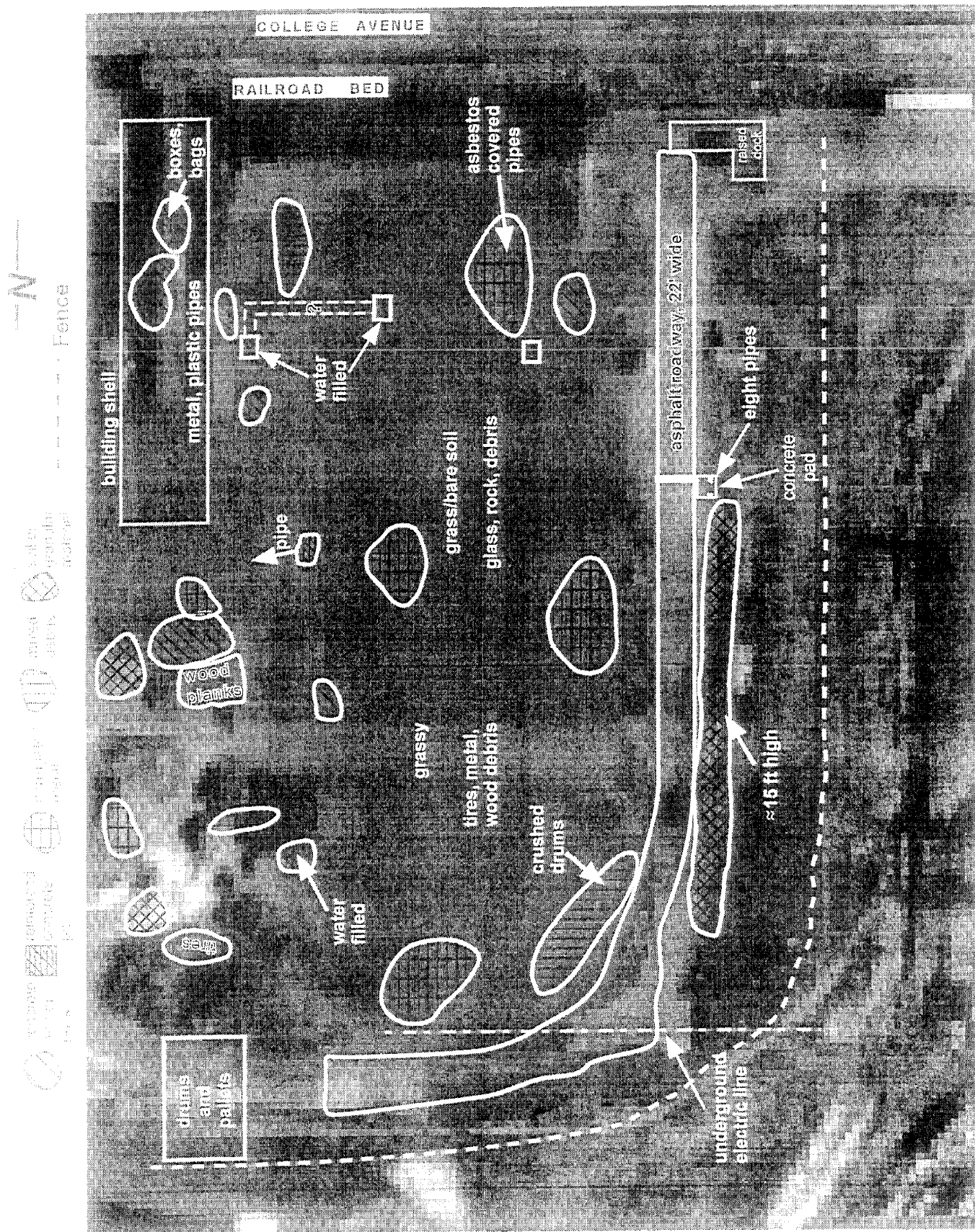
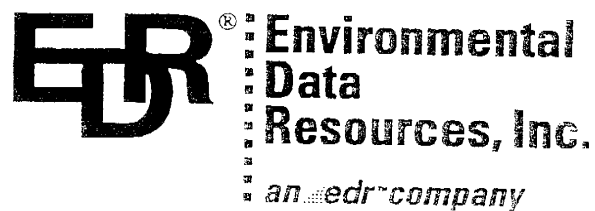


Figure 5 - Features of the Hazoro Site overlaid on the 1991 aerial photograph.

## APPENDIX B





## **The EDR-Radius Map with GeoCheck™**

Former Union Carbide Property  
Hazard Site  
College and Highland Avenues  
Niagara Falls, NY 14305

***The Source  
For Environmental  
Risk Management  
Data***

3530 Post Road  
Southport, Connecticut 06490

Nationwide Customer Service

Telephone: 1-800-352-0050

Fax: 1-800-231-6602

Internet: [www.edrnet.com](http://www.edrnet.com)

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

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## EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-97. Search distances are per ASTM standard or custom distances requested by the user.

The address of the subject property for which the search was intended is:

3625 HIGHLAND AVE  
NIAGARA FALLS, NY 14305

No mapped sites were found in EDR's search of available ( "reasonably ascertainable ") government records either on the subject property or within the ASTM E 1527-97 search radius around the subject property for the following Databases:

Delisted NPL:	NPL Deletions
CERCLIS:	Comprehensive Environmental Response, Compensation, and Liability Information System
CERC-NFRAP:	Comprehensive Environmental Response, Compensation, and Liability Information System
AST:	Petroleum Bulk Storage (AST)
RAATS:	RCRA Administrative Action Tracking System
HMIRS:	Hazardous Materials Information Reporting System
ERNS:	Emergency Response Notification System
TRIS:	Toxic Chemical Release Inventory System
NPL Lien:	NPL Liens
TSCA:	Toxic Substances Control Act
MLTS:	Material Licensing Tracking System
NY Spills:	NY Spills
CBS UST:	Chemical Bulk Storage
CBS AST:	Chemical Bulk Storage
MOSF UST:	Major Oil Storage Facilities Database
MOSF AST:	Major Oil Storage Facilities Database
ROD:	ROD
CONSENT:	Superfund (CERCLA) Consent Decrees
Coal Gas:	Former Manufactured gas (Coal Gas) Sites.

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

### Search Results:

Search results for the subject property and the search radius, are listed below:

### Subject Property:

The subject property was identified in the following government records. For more information on this property see page 9 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
UCAR CARBON CO INC 3625 HIGHLAND AVE NIAGARA FALLS, NY 14305	PADS FINDS RCRIS-LQG RCRIS-TSD CORRACTS	NYD002106920

## EXECUTIVE SUMMARY

### Surrounding Properties:

Elevations have been determined from the USGS 1 degree Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. EDR's definition of a site with an elevation equal to the subject property includes a tolerance of -10 feet. Sites with an elevation equal to or higher than the subject property have been differentiated below from sites with an elevation lower than the subject property (by more than 10 feet). Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

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

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 09/25/1997 has revealed that there is 1 NPL site within approximately 1 Mile of the subject property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>OCCIDENTAL CHEMICAL CORP</i>	<i>4700 HYDE PARK BLVD</i>	<i>1/2 - 1</i>	<i>0</i>	<i>9</i>

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

A review of the SHWS list, as provided by EDR, has revealed that there is 1 SHWS site within approximately 1 Mile of the subject property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>TAM CERAMICS INC</i>	<i>4511 HYDE PARK BLVD</i>	<i>1/2 - 1 NNE</i>	<i>13</i>	<i>31</i>

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

A review of the CORRACTS list, as provided by EDR, and dated 12/15/1997 has revealed that there is 1 CORRACTS site within approximately 1 Mile of the subject property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>OCCIDENTAL CHEMICAL CORP</i>	<i>4700 HYDE PARK BLVD</i>	<i>1/2 - 1</i>	<i>0</i>	<i>9</i>

SWF/LF: The Solid Waste Facilities/Landfill Sites records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. The data comes from the list.

A review of the SWF/LF list, as provided by EDR, and dated 06/20/1997 has revealed that there is 1 SWF/LF site within approximately 0.5 Miles of the subject property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>SKW ALLOYS SLF</i>	<i>3301 HIGHLAND AVE</i>	<i>1/8 - 1/4 MI</i>	<i>A8</i>	<i>19</i>

## EXECUTIVE SUMMARY

**LUST:** The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data comes from the Department of Environmental Conservation's Spills Information Database.

A review of the LUST list, as provided by EDR, and dated 09/30/1997 has revealed that there are 5 LUST sites within approximately 0.5 Miles of the subject property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
LAUR & MACK CONTRACTORS	1400 COLLEGE AVE	1/8 - 1/4N	A4	12
LAUR AND MAC	1400 COLLEGE AVE	1/8 - 1/4N	A5	13
CITY OF NIAGARA FALLS	COLLEGE / HIGHLAND	1/8 - 1/4N	A6	14
CHISM-RIDER	3800 HIGHLAND AVE	1/8 - 1/4N	A9	20
GLOBE ENVIRONMENTAL	3807 HIGHLAND AVE	1/8 - 1/4N	A11	24

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

A review of the UST list, as provided by EDR, and dated 06/30/1997 has revealed that there are 3 UST sites within approximately 0.25 Miles of the subject property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
3800 HIGHLAND, INC.	COLLEGE & HIGHLAND AVE.	1/8 - 1/4N	A7	14
LAUR & MACK CONTRACTING CO INC	1400 COLLEGE AVE	1/8 - 1/4N	A10	21
GLOBE METALLURGICAL INC.	3807 HIGHLAND AVE	1/8 - 1/4N	A12	25

**RCRIS:** The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRIS-SQG list, as provided by EDR, and dated 10/01/1997 has revealed that there are 2 RCRIS-SQG sites within approximately 0.25 Miles of the subject property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
PREMAX LTD PARTNERSHIP OF N F	3800 HIGHLAND AVE	1/8 - 1/4N	A2	11
LAUR & MACK CONTRACTING CO INC	1400 COLLEGE AVE	1/8 - 1/4N	A10	21

**RCRIS:** The Resource Conservation and Recovery Act database includes selected information on sites that generate, store, treat, or dispose of hazardous waste as defined by the Act. The source of this database is the U.S. EPA.

A review of the RCRIS-LQG list, as provided by EDR, and dated 10/01/1997 has revealed that there is 1 RCRIS-LQG site within approximately 0.25 Miles of the subject property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
NIAGARA FALLS CITY OF	COLLEGE AVE & HIGHLAND	1/8 - 1/4N	A3	10

## EXECUTIVE SUMMARY

A review of the HSWDS list, as provided by EDR, has revealed that there is 1 HSWDS site within approximately 0.5 Miles of the subject property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
<i>CHISM-RIDER</i>	<i>3800 HIGHLAND AVE</i>	<i>1/8 - 1/4N</i>	<i>A9</i>	<i>20</i>

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
CARBORUNDUM COMPANY, GLOBAR	SHWS
WITMER ROAD SITE	SHWS
VANADIUM CORPORATION OF AMERICA	SHWS
NIAGARA CO. REFUSE DISP.-WHEATFIELD	SHWS
NF BOARD OF EDUCATION	LUST
H J KALFAS SCHOOL	UST
GENERAL ABRASIVE TREIBACHER INC	UST,AST
S K W NEWCO INC	RCRIS-SQG,FINDS
UNITY PARK-PARKLAND CO NYS URBAN DEV	RCRIS-SQG,FINDS
NYSDOT BIN 1064999 - LASALLE EXPWY	FINDS,RCRIS-LQG
GENERAL ABRASIVE DIV DRESSER INC	FINDS,RCRIS-LQG
NIAGARA DESIGNED INTERMEDIATES CORP	FINDS,RCRIS-LQG
NYSDOT BIN 1068279	FINDS,RCRIS-LQG
NYSDOT BIN 1068142	FINDS,RCRIS-LQG

## GEOCHECK VERSION 2.1 SUMMARY

### TARGET PROPERTY COORDINATES

Latitude (North): 43.119701 - 43° 7' 10.9"  
Longitude (West): 79.044403 - 79° 2' 39.9"  
Universal Transverse Mercator: Zone 17  
UTM X (Meters): 659094.6  
UTM Y (Meters): 4775748.5

### GEOLOGIC AGE IDENTIFICATION

Geologic Code: O3  
Era: Paleozoic  
System: Ordovician  
Series: Upper Ordovician (Cincinnatian)

### ROCK STRATIGRAPHIC UNIT

Category: Stratified Sequence

### GROUNDWATER FLOW INFORMATION

*Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, including well data collected on nearby properties, regional groundwater flow information (from deep aquifers), or surface topography.†*

General Topographic Gradient: General West

General Hydrogeologic Gradient: The hydrogeologic gradient for this report has been determined using the depth to water table information provided below. Where available, the closest well in each quadrant has been identified (up to a radius of 5 miles around the target property) and used in the gradient calculation. While an attempt has been made to segregate shallow from deep aquifers, this cannot always be assured. Groundwater flow in the aquifer associated with the wells appears generally to be to the NW.

Site-Specific Hydrogeological Data:

Search Radius: 2.0 miles  
Status: Not found

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH THIS SITE

Target Property: 2443079-A1 NIAGARA FALLS, NY CA10

### FEDERAL DATABASE WELL INFORMATION

<u>WELL QUADRANT</u>	<u>DISTANCE FROM TP</u>	<u>LITHOLOGY</u>	<u>DEPTH TO WATER TABLE</u>
Northern	1 - 2 Miles	Not Reported	48 ft.
Eastern	1/2 - 1 Mile	Not Reported	13 ft.
Southern	1/4 - 1/2 Mile	Not Reported	16 ft.
Western	1/2 - 1 Mile	Not Reported	50 ft.

### STATE DATABASE WELL INFORMATION

<u>WELL QUADRANT</u>	<u>DISTANCE FROM TP</u>
NO WELLS FOUND	



## GEOCHECK VERSION 2.1 SUMMARY

### PUBLIC WATER SUPPLY SYSTEM INFORMATION

Searched by Nearest PWS.

NOTE: PWS System location is not always the same as well location.

PWS Name: TULLY HILL & DALE  
ROUTE 80  
FABIUS, NY 13063

Location Relative to TP: >2 Miles North

PWS currently has or has had major violation(s): No

### AREA RADON INFORMATION

EPA Radon Zone for NIAGARA County: 2

Note: Zone 1 indoor average level > 4 pCi/L.

: Zone 2 indoor average level  $\geq 2$  pCi/L and  $\leq 4$  pCi/L.

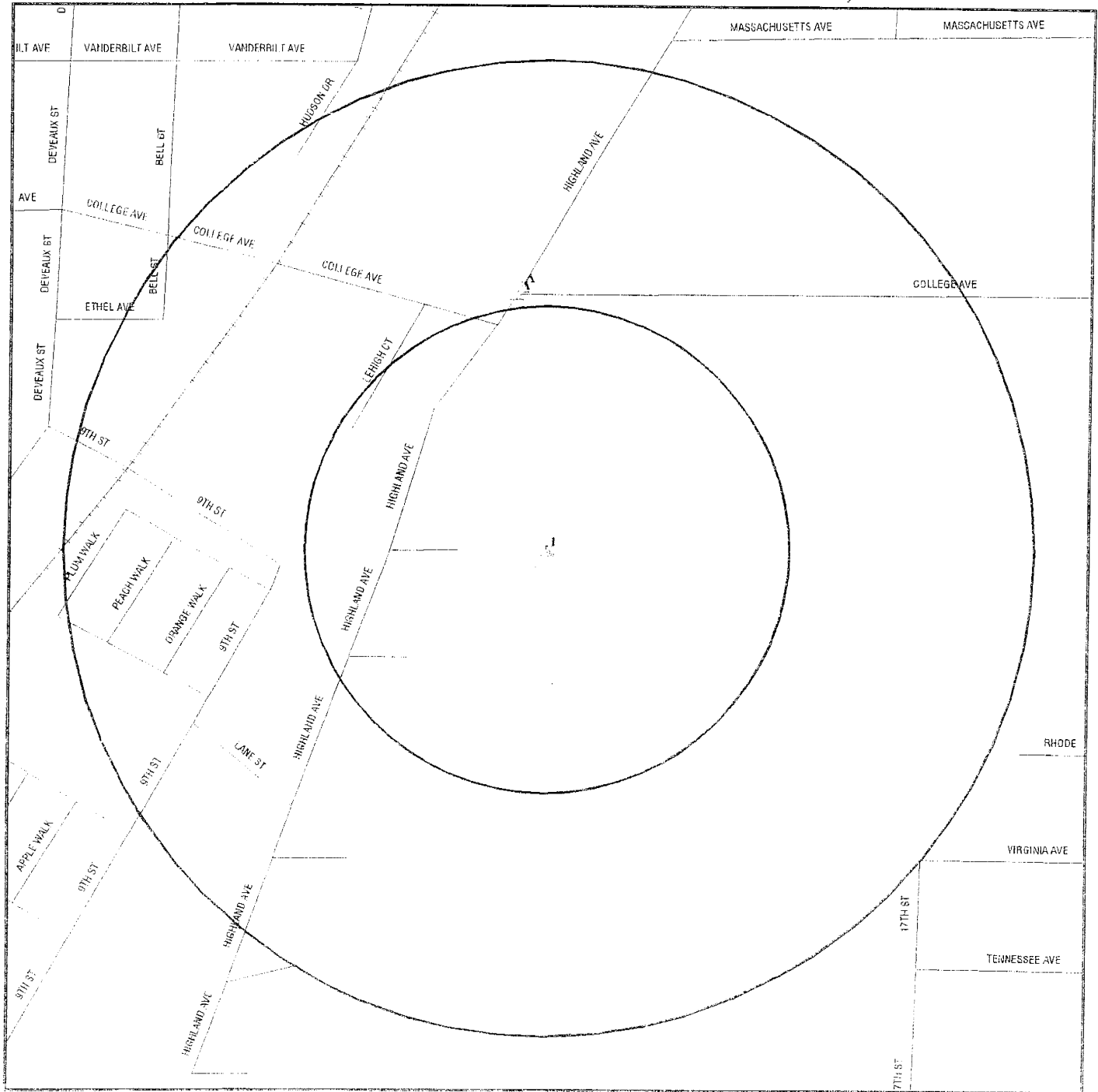
: Zone 3 indoor average level < 2 pCi/L.

NIAGARA COUNTY, NY

Number of sites tested: 177

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	0.800 pCi/L	98%	2%	0%
Basement	1.130 pCi/L	95%	5%	0%

# DETAIL MAP - 245151.1s - Panamerican Environmental, Inc



## Target Property

- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- ▲ Coal Gasification Sites (if requested)
- Sensitive Receptors
- National Priority List Sites
- Landfill Sites

Power transmission lines

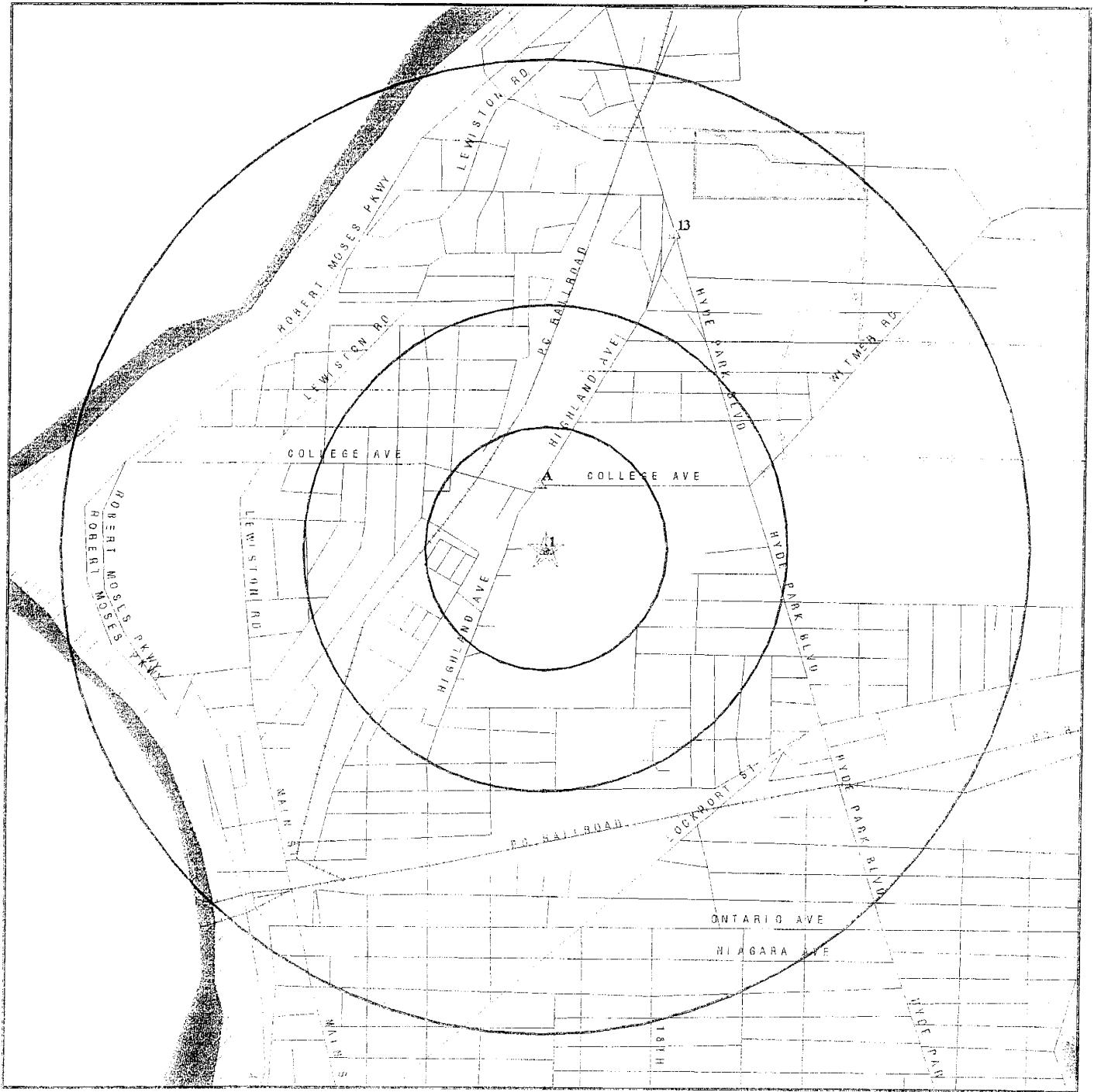
Oil & Gas pipelines

100-year flood zone  
500-year flood zone

TARGET PROPERTY: Union Carbide Property  
ADDRESS: 3625 Highland Ave  
CITY/STATE/ZIP: Niagara Falls NY 14305  
LAT/LONG: 43.1197 / 79.0444

CUSTOMER: Panamerican Environmental, Inc  
CONTACT: Mr. Pete Gorton  
INQUIRY #: 245151.1s  
DATE: April 13, 1992 1:50 pm

# OVERVIEW MAP - 245151.1s - Panamerican Environmental, Inc



- ★ Target Property
- Sites at elevations higher than or equal to the target property
- > Sites at elevations lower than the target property
- A Coal Gasification Sites (if requested)
- National Priority List Sites
- Landfill Sites
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone

TARGET PROPERTY: Union Carbide Property  
 ADDRESS: 3625 Highland Ave  
 CITY/STATE/ZIP: Niagara Falls NY 14305  
 LAT/LONG: 43.1197 / 79.0444

CUSTOMER: Panamerican Environmental, Inc  
 CONTACT: Mr. Pete Gordon  
 INQUIRY #: 245151.1s  
 DATE: April 13, 1998 1:46 pm

# **MAP FINDINGS SUMMARY SHOWING ALL SITES**

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NPL		1.000	0	0	0	1	NR	1
Delisted NPL		TP	NR	NR	NR	NR	NR	0
RCRIS-TSD	X	0.500	0	0	0	NR	NR	0
State Haz. Waste		1.000	0	0	0	1	NR	1
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		TP	NR	NR	NR	NR	NR	0
CORRACTS	X	1.000	0	0	0	1	NR	1
State Landfill		0.500	0	1	0	NR	NR	1
LUST		0.500	0	5	0	NR	NR	5
UST		0.250	0	3	NR	NR	NR	3
AST		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.250	0	2	NR	NR	NR	2
RCRIS Lg. Quan. Gen.	X	0.250	0	1	NR	NR	NR	1
HMIRS		TP	NR	NR	NR	NR	NR	0
PADS	X	TP	NR	NR	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
NY Spills		TP	NR	NR	NR	NR	NR	0
CBS UST		0.250	0	0	NR	NR	NR	0
CBS AST		0.250	0	0	NR	NR	NR	0
MOSF UST		0.500	0	0	0	NR	NR	0
MOSF AST		0.500	0	0	0	NR	NR	0
HSWDS		0.500	0	1	0	NR	NR	1
ROD		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	NR	0
Coal Gas		1.000	0	0	0	0	NR	0

TP = Target Property

NR = Not Requested at this Search Distance

\* Sites may be listed in more than one database

**MAP FINDINGS SUMMARY SHOWING  
ONLY SITES HIGHER THAN OR THE SAME ELEVATION AS TP**

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NPL		1.000	0	0	0	1	NR	1
Delisted NPL		TP	NR	NR	NR	NR	NR	0
RCRIS-TSD	X	0.500	0	0	0	NR	NR	0
State Haz. Waste		1.000	0	0	0	1	NR	1
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		TP	NR	NR	NR	NR	NR	0
CORRACTS	X	1.000	0	0	0	1	NR	1
State Landfill		0.500	0	1	0	NR	NR	1
LUST		0.500	0	5	0	NR	NR	5
UST		0.250	0	3	NR	NR	NR	3
AST		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		0.250	0	2	NR	NR	NR	2
RCRIS Lg. Quan. Gen.	X	0.250	0	1	NR	NR	NR	1
HMIRS		TP	NR	NR	NR	NR	NR	0
PADS	X	TP	NR	NR	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
FINDS	X	TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
NY Spills		TP	NR	NR	NR	NR	NR	0
CBS UST		0.250	0	0	NR	NR	NR	0
CBS AST		0.250	0	0	NR	NR	NR	0
MOSF UST		0.500	0	0	0	NR	NR	0
MOSF AST		0.500	0	0	0	NR	NR	0
HSWDS		0.500	0	1	0	NR	NR	1
ROD		1.000	0	0	0	0	NR	0
CONSENT		1.000	0	0	0	0	NR	0
Coal Gas		1.000	0	0	0	0	NR	0

TP = Target Property

NR = Not Requested at this Search Distance

\* Sites may be listed in more than one database

# MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

1  
Target  
Property

UCAR CARBON CO INC  
3625 HIGHLAND AVE  
NIAGARA FALLS, NY 14305

PADS 1000335630  
FINDS NYD002106920  
RCRIS-LQG  
RCRIS-TSD  
CORRACTS

## CORRACTS Data:

Prioritization: Low  
Status: RCRA Facility Assessment Completed

## RCRIS Corrective Action Summary:

Effective Date: 01/15/81  
Legal Authority: RCRA 3008(h) or equivalent

## RCRIS:

Owner: UCAR INTERNATIONAL  
(203) 794-2000

Contact: J F BAYLUS  
(716) 278-3541

Record Date: 06/23/95

Classification: Large Quantity Generator, Conditionally Exempt Small Quantity Generator, TSDF, Hazardous Waste Transporter

Used Oil Recyc: No

TSDF Activities: Not reported

Violation Status: Violations exist

There are 1 compliance/violation record(s) reported at this site:

Evaluation  
Compliance Evaluation Inspection (CEI)

Area of Violation  
Generator-All Requirements

Date of  
Compliance  
12/06/85

## FINDS:

Other Pertinent Environmental Activity Identified at Site:

- Facility is monitored or permitted for air emissions under the Clean Air Act (under AFS/AIRS)
- Facility is a PCB generator, storer, transporter or permitted disposer (under PADS)

NPL  
Region

OCCIDENTAL CHEMICAL CORP  
4700 HYDE PARK BLVD  
NIAGARA FALLS, NY 14305

PADS 1000247995  
CERCLIS NYD000831644  
FINDS  
NPL  
RCRIS-LQG  
RCRIS-TSD  
CORRACTS

## CERCLIS Classification Data:

Site Incident Category: CHEMICAL PLANT  
Ownership Status: OTHER  
EPA Notes: Not reported

Federal Facility: NO  
NPL Status: CURRENTLY ON THE FINAL NPL

## CERCLIS Assessment History:

Assessment:	DISCOVERY	Completed:	03/01/79
Assessment:	REMOVAL INVESTIGATION	Completed:	05/22/82
Assessment:	SCREENING SITE INSPECTION	Completed:	08/01/82
Assessment:	REMEDIAL ACTION MASTER PLAN	Completed:	08/10/83
Assessment:	FINAL LISTING ON NPL	Completed:	09/08/83

# MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

## OCCIDENTAL CHEMICAL CORP (Continued)

1000247995

Assessment:	REMOVAL INVESTIGATION	Completed:	09/14/90
Assessment:	COMBINED RI/FS	Completed:	11/26/85
Assessment:	PRELIMINARY ASSESSMENT	Completed:	12/01/79
Assessment:	HAZARD RANKING DETERMINED	Completed:	12/01/82
Assessment:	PROPOSAL TO NPL	Completed:	12/30/82
Assessment:	OTHER EVENT (SPECIFY)	Completed:	Not reported
Assessment:	REMEDIAL COMMUNITY RELATIONS	Completed:	Not reported
Assessment:	OTHER EVENT (SPECIFY)	Completed:	Not reported

### CERCLIS Site Status:

This site is currently under investigation by the government to assess the extent of further action

### CERCLIS Alias Name(s):

HYDE PARK LANDFILL

### CORRACTS Data:

Prioritization: High  
Status: RCRA Facility Assessment Completed

### NPL:

ID:	02NY010
Date Listed:	9/08/83 (FINAL)
EPA/ID:	NYD000831644
Haz. Rank Score:	34.77
Status:	LISTED ON NPL
Rank:	727
Group:	15
Ownership:	Private
Permit:	Not reported
Site Activities:	Landfill, Comm./Indus.
Site Condition:	Contam. Ground Water
Waste Type:	Pesticides
Waste Form:	Not reported
Contaminant:	Media Affected:
LINDANE	Air, Ground and Surface Water
BENZENE	Ground Water
TOLUENE	Ground Water
HEXACHLOROCYCLOPENTADIENE (C56)	Not reported
TRI CRESYL PHOSPHATE (TCP)	Not reported
DIOXIN	Surface Water and Air
TETRACHLOROETHENE	Surface Water
CHLORDANE	Air
Distance to nearest Population:	Not reported
Population within a 1 Mile Radius:	Not reported
Population within a 2 Mile Radius:	Not reported
Population within a 4 Mile Radius:	More than 10,000 People
Vertical Distance to Aquifer:	Not reported
Ground Water Use:	Not Used, but usable for Commercial and Industrial
Distance to nearest Surface Water:	Not reported

# MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

## OCCIDENTAL CHEMICAL CORP (Continued)

1000247995

### RCRIS:

Owner: OCCIDENTAL CHEMICAL CORP  
(716) 840-7535

Contact: JOSEPH JUSZKIEWICZ  
(716) 278-7477

Record Date: 09/22/80

Classification: Large Quantity Generator, TSDF, Hazardous Waste Transporter

### BIENNIAL REPORTS:

Last Biennial Reporting Year: 1995

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	123253.00	F020	617102728.00
U044	308350364.00	U045	616671295.00
U081	616671295.00	U130	308320931.00
U188	616671295.00	U209	139320.00
U210	616671295.00	U228	616531975.00

Used Oil Recyc: No

TSDF Activities: Not reported

Violation Status: Violations exist

There are 2 compliance/violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Non-Financial Record Review	Generator-All Requirements	07/26/87
Compliance Evaluation Inspection (CEI)	TSD-Groundwater Monitoring Requirements	12/27/89
	TSD-Closure/Post Closure Requirements	12/27/89

### FINDS:

Other Persistent Environmental Activity Identified at Site:

- Civil judicial and administrative enforcement case against facility (under DOCKET)
- Facility is a PCB generator, storer, transporter or permitted disposer (under PADS)

A2  
North  
1/8-1/4  
Higher

PREMAX LTD PARTNERSHIP OF N F  
3300 HIGHLAND AVE  
NIAGARA FALLS, NY 14305

RCRIS-SQG 1000381774  
FINDS NYD002106656  
CERC-NFRAP

### CERCLIS-NFRAP Classification Data:

Site Incident Category: Not reported

Ownership Status: OTHER

EPA Notes:

FROM THE '40'S TIL APPROX '59, ASH FROM THE BURNING OF PLANT REFUSE WAS DISPOSED IN THE LF. OTHER WASTES SUSPECTED OF BEING DISPOSED ON-SITE INCLUDE PAINT, DEGREASING AND PLATING WASTES. SOIL SAMPLES FOUND ELEVATED LEVELS OF HEAVY METALS.

Federal Facility: NO

NPL Status: NOT ON NPL

### CERCLIS-NFRAP Assessment History:

Assessment: SCREENING SITE INSPECTION

Completed: 03/28/90

Assessment: PRELIMINARY ASSESSMENT

Completed: 09/29/86

Assessment: DISCOVERY

Completed: 11/01/81

### CERCLIS-NFRAP Alias Name(s):

PREMAX LTD PARTNERSHIP OF N F



# MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

## PREMAX LTD PARTNERSHIP OF N F (Continued)

1000381774

### RCRIS:

Owner: PREMAX LTD PARTNERSHIP OF NF  
(212) 555-1212  
Contact: DONALD CHAPMAN  
(716) 285-0365  
Record Date: 11/14/84  
Classification: Conditionally Exempt Small Quantity Generator  
Used Oil Recyc: No  
Violation Status: No violations found

A3  
North  
1/8-1/4  
Higher

NIAGARA FALLS CITY OF  
COLLEGE AVE & HIGHLAND AVE  
NIAGARA FALLS, NY 14305

FINDS 1000694040  
RCRIS-LQG NYD987003092

### RCRIS:

Owner: CITY OF NIAGARA FALLS  
(716) 286-4453  
Contact: JOSEPH PALILLO  
(716) 286-4453  
Record Date: 05/12/92  
Classification: Large Quantity Generator  
Used Oil Recyc: No  
Violation Status: No violations found

A4  
North  
1/8-1/4  
Higher

LAUR & MACK CONTRACTORS  
1400 COLLEGE AVE  
NIAGARA FALLS, NY

LUST S100117975  
N/A

### LUST:

Spill Number:	6904888	Region of Spill:	9
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	JDC	Spill Type:	Facility
Caller Name:	JOHN KUDLA	Caller Agency:	ELMWOOD TANK
Caller Phone:	(716) 694-0106	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
Spiller Contact:	Not reported	Spiller Phone:	(716) 284-0481
Spiller:	LAUR & MACK CONTRACTORS		
Address:	1400 COLLEGE AVENUE NIAGARA FALLS, NY 14302		
Spill Class:	Not reported		
Spill Closed Dt:	11/06/1989	Resource Affected:	Groundwater
Spill Cause:	Tank Test Failure	Spill Source:	Other Commercial/Industrial
Water Affected:	Not reported	PBS Number:	Not reported
Spill Notifier:	Tank Tester	Reported to Dept:	06/17/1989 09:55
Spill Date:	08/16/1989 17:30		
Cleanup Ceased:	08/25/1989		
Last Inspection:	08/25/1989		
Cleanup Meets Standard:	True		

# MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

## LAUR & MACK CONTRACTORS (Continued)

S100117975

Recommended Penalty: No Penalty  
Spiller Cleanup Date: Not reported  
Enforcement Date: Not reported  
Investigation Complete: Not reported  
UST Involvement: True  
Spill Record Last Update: 11/21/1989  
Corrective Action Plan Submitted: Not reported  
Date Spill Entered In Computer Data File: 08/17/1989  
Tank Number: Not reported  
Test Method: Not reported  
Gross Leak/Fail: Not reported  
Material Class: Petroleum  
Unkwn Quantity: False  
Quantity Spilled: 0  
Quantity Units: Gallons  
Remark: INITIAL TANK TEST FAILER AT 0.065 GPH. PETRO-TITE  
Capacity (Gal): 0  
Leak Rate: 0.00  
Material Code: 0009  
Unk Qt Recovered: False  
Quant Recovered: 0

A5  
North  
1/8-1/4  
Higher

LAUR AND MAC  
1400 COLLEGE AVE  
NIAGARA FALLS, NY

LUST

S101174728  
N/A

### LUST:

Spill Number: 9403622  
Facility Contact: Not reported  
Investigator: JDC-NCHD  
Caller Name: JOE KLOC  
Caller Phone: Not reported  
Notifier Name: Not reported  
Notifier Phone: Not reported  
Spiller Contact: Not reported  
Spiller: LAUR & MAC CONTRACTING CO  
Address: 1400 COLLEGE AVENUE  
NIAGARA FALLS, NY 14302  
Region of Spill: 9  
Facility Tele: Not reported  
Spill Type: Facility  
Caller Agency: ELMWOOD TANK AND PUMP  
Caller Extension: Not reported  
Notifier Agency: Not reported  
Notifier Extension: Not reported  
Spiller Phone: (716) 284-0481  
Spill Class: Known release with minimal potential for fire or hazard. DEC Response.  
Willing Responsible Party. Corrective action taken.  
Spill Closed Dt: 11/23/1994  
Spill Cause: Tank Failure  
Water Affected: Not reported  
Spill Notifier: Responsible Party  
Spill Date: 06/14/1994 09:30  
Cleanup Ceased: 11/23/1994  
Last Inspection: 06/14/1994  
Cleanup Meets Standard: True  
Recommended Penalty: No Penalty  
Spiller Cleanup Date: Not reported  
Enforcement Date: Not reported  
Investigation Complete: Not reported  
UST Involvement: True  
Spill Record Last Update: 11/20/1994  
Corrective Action Plan Submitted: Not reported  
Date Spill Entered In Computer Data File: 06/16/1994  
Tank Number: 001  
Test Method: Not reported  
Gross Leak/Fail: Not reported  
Material Class: Petroleum  
Unkwn Quantity: False  
Quantity Spilled: 0  
Quantity Units: Gallons  
Resource Affected: Groundwater  
Spill Source: Other Commercial/Industrial  
PBS Number: 9-387320  
Reported to Dept: 06/14/1994 09:50  
Capacity (Gal): 0  
Leak Rate: 0.00  
Material Code: 0009  
Unk Qt Recovered: False  
Quant Recovered: 0

# MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

## LAUR AND MAC (Continued)

S101174728

Remark: 3,000 GALLON GASOLINE TANK REMOVED, CONTAMINATION FOUND.

A6  
North  
1/8-1/4  
Higher

CITY OF NIAGARA FALLS  
COLLEGE / HIGHLAND  
NIAGARA FALLS, NY

LUST

S100493226  
N/A

### LUST:

Spill Number:	9112192	Region of Spill:	9
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	JDC	Spill Type:	Facility
Caller Name:	JAMES GREIG	Caller Agency:	GREEN ENVIROMENT
Caller Phone:	Not reported	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	CITY OF NIAGARA FALLS		
Address:	745 MAIN STREET NIAGARA FALLS, NY 14302		
Spill Class:	Known release with minimal potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		
Spill Closed Dt:	10/01/1992	Resource Affected:	Groundwater
Spill Cause:	Tank Failure	Spill Source:	Other Commercial/Industrial
Water Affected:	Not reported	PBS Number:	Not reported
Spill Notifier:	Other	Reported to Dept:	02/27/1992 11:00
Spill Date:	02/27/1992 10:00		
Cleanup Ceased:	10/01/1992		
Last Inspection:	03/03/1992		
Cleanup Meets Standard:	True		
Recommended Penalty:	No Penalty		
Spiller Cleanup Date:	Not reported		
Enforcement Date:	Not reported		
Investigation Complete:	Not reported		
UST Involvement:	True		
Spill Record Last Update:	10/05/1992		
Corrective Action Plan Submitted:	Not reported		
Date Spill Entered In Computer Data File:	03/12/1992		
Tank Number:	Not reported	Capacity (Gal):	Not reported
Test Method:	Not reported	Leak Rate:	Not reported
Gross Leak/Fail:	Not reported		
Material Class:	Petroleum	Material Code:	0009
Unknown Quantity:	False	Unk Qt Recovered:	False
Quantity Spilled:	0	Quant Recovered:	0
Quantity Units:	Gallons		
Remark:	ABANDONED TANKS REMOVED BY CITY, NOTIFIED BY CONTRACTOR		

A7  
North  
1/8-1/4  
Higher

3800 HIGHLAND, INC.  
COLLEGE & HIGHLAND AVE.  
NIAGARA FALLS, NY 14305

UST  
AST

U003079740  
N/A

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

3800 HIGHLAND, INC. (Continued)

U003079742

PBS UST:

PBS Number:	9-437050	CBS Number:	Not reported
Town:	Not reported	SWIS ID:	2911
Telephone:	(716) 285-0365	Location:	Not reported
Operator:	3800 HIGHLAND INC.		
Contact:	Not reported		
Emergency Contact:	DONALD E. CHAPMAN, (716) 285-0365		
Facility Type:	MANUFACTURING		
Total Tanks:	4	Old PBS Num:	Not reported
Owner:	UNIPUNCH PRODUCTS		

370 BABCOCK ST.  
BUFFALO, NY 14240  
(716) 825-7960

Owner Type:	Corporate/Commercial	Owner Mark:	First Owner
Owner Subtype:	Not reported		
Mailing Address:	UNIPUNCH PRODUCTS		

370 BABCOCK ST.  
NY 14240  
(716) 825-7960  
Not Reported

Facility Status:	Inactive	Total Capacity:	7500
Certification:	06/28/1988	Expiration:	06/28/1993

Tank Status: Closed-Removed  
Tank Location: UNDERGROUND  
Tank ID: 001

Product Stored:	LEADED GASOLINE	Install Date:	00/00
Tank Internal:	Not reported	Tank Type:	Steel/carbon steel
Pipe Location:	Not reported	Pipe Internal:	Not reported
Tank External:	Not reported	Pipe Type:	STEEL/IRON

Pipe External: Not reported  
Second Containment: NONE

Leak Detection: NONE  
Overfill Prot: Not reported

Date Tested:	Not reported	Dispenser:	Gravity
Date Closed:	04/89	Next Test Date:	N.T.R
		Test Method:	Not reported

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

3800 HIGHLAND, INC. (Continued)

U003079742

PBS Number:	9-437050	CBS Number:	Not reported
Town:	Not reported	SWIS ID:	2911
Telephone:	(716) 285-0365	Location:	Not reported
Operator:	3800 HIGHLAND INC.		
Contact:	Not reported		
Emergency Contact:	DONALD E. CHAPMAN, (716) 285-0365		
Facility Type:	MANUFACTURING		
Total Tanks:	4	Old PBS Num:	Not reported
Owner:	UNIPUNCH PRODUCTS 370 BABCOCK ST. BUFFALO, NY 14240 (716) 825-7960		
Owner Type:	Corporate/Commercial	Owner Mark:	First Owner
Owner Subtype:	Not reported		
Mailing Address:	UNIPUNCH PRODUCTS 370 BABCOCK ST. NY 14240 (716) 825-7960 Not Reported		
Facility Status:	Inactive	Total Capacity:	10000
Certification:	06/28/1988	Expiration:	06/28/1993
Tank Status:	Closed-Removed		
Tank Location:	UNDERGROUND		
Tank ID:	002	Install Date:	00/00
Product Stored:	NOS 1,2, OR 4 FUEL OIL	Tank Type:	Steel/carbon steel
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Not reported	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Not reported	Dispenser:	Gravity
Date Tested:	Not reported	Next Test Date:	N.T.R.
Date Closed:	04/89	Test Method:	Not reported

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

3800 HIGHLAND, INC. (Continued)

U003079742

PBS Number:	9-437050	CBS Number:	Not reported
Town:	Not reported	SWIS ID:	2911
Telephone:	(716) 285-0365	Location:	Not reported
Operator:	3800 HIGHLAND INC.		
Contact:	Not reported		
Emergency Contact:	DONALD E. CHAPMAN, (716) 285-0365		
Facility Type:	MANUFACTURING		
Total Tanks:	4	Old PBS Num:	Not reported
Owner:	UNIPUNCH PRODUCTS 370 BABCOCK ST. BUFFALO, NY 14240 (716) 825-7960		
Owner Type:	Corporate/Commercial	Owner Mark:	First Owner
Owner Subtype:	Not reported		
Mailing Address:	UNIPUNCH PRODUCTS 370 BABCOCK ST. NY 14240 (716) 825-7960 Not Reported		
Facility Status:	Inactive	Total Capacity:	10000
Certification:	06/28/1988	Expiration:	06/28/1993
Tank Status:	Closed-Removed		
Tank Location:	UNDERGROUND		
Tank ID:	003	Install Date:	00/00
Product Stored:	LEADED GASOLINE	Tank Type:	Steel/carbon steel
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Not reported	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Not reported	Dispenser:	Gravity
Date Tested:	Not reported	Next Test Date:	N.T.R.
Date Closed:	04/89	Test Method:	Not reported

# MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

3800 HIGHLAND, INC. (Continued)

U003079742

PBS Number:	9-437050	CBS Number:	Not reported
Town:	Not reported	SWIS ID:	2911
Telephone:	(716) 285-0365	Location:	Not reported
Operator:	3800 HIGHLAND INC.		
Contact:	Not reported		
Emergency Contact:	DONALD E. CHAPMAN, (716) 285-0365		
Facility Type:	MANUFACTURING		
Total Tanks:	4	Old PBS Num:	Not reported
Owner:	UNIPUNCH PRODUCTS 370 BABCOCK ST. BUFFALO, NY 14240 (716) 825-7960		
Owner Type:	Corporate/Commercial	Owner Mark:	First Owner
Owner Subtype:	Not reported		
Mailing Address:	UNIPUNCH PRODUCTS 370 BABCOCK ST. NY 14240 (716) 825-7960 Not Reported		
Facility Status:	Inactive	Total Capacity:	2000
Certification:	06/28/1988	Expiration:	06/28/1993
Tank Status:	Closed-Removed		
Tank Location:	UNDERGROUND		
Tank ID:	004	Install Date:	00/00
Product Stored:	NOS 1,2, OR 4 FUEL OIL	Tank Type:	Steel/carbon steel
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Not reported	Pipe Type:	STEEL/IRON
Tank External:	Not reported		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Not reported	Dispenser:	Gravity
Date Tested:	Not reported	Next Test Date:	N.T.R
Date Closed:	04/89	Test Method:	Not reported

# MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

3800 HIGHLAND, INC. (Continued)

U003079742

## PBS AST:

PBS Number: 9-437050  
Facility Status: Inactive  
Owner: UNIPUNCH PRODUCTS  
370 BABCOCK ST.  
BUFFALO, NY 14240  
(716) 825-7960

Telephone: 3800 HIGHLAND,  
Total Ast's: 1

Tank ID: 005  
Tank Status: Closed-Removed  
Tank Location: ABOVEGROUND  
Product Stored: NOS 1,2, OR 4 FUEL OIL  
Install Date: Not reported  
Tank External: Not reported  
Tank Containment: NONE  
Pipe Location: Not reported  
Pipe Internal: Not reported  
Pipe External: Not reported  
Leak Detection: NONE  
Overfill Prot: Not reported  
Date Tested: Not reported  
Date Closed: 04/89

Capacity (Gal): 1650

Tank Type: Steel/carbon steel  
Tank Internal: Not reported

Pipe Type: STEEL/IRON

Dispenser: Gravity  
Next Test Date: N.T.R  
Test Method: Not reported

A8  
North  
1/8-1/4  
Higher

SKW ALLOYS SLF  
3801 HIGHLAND AVE  
NIAGARA FALLS, NY 14305

SWF/LF

S101650791  
N/A



# MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

## SKW ALLOYS SLF (Continued)

S101650791

### LF:

Facility ID:	32N04	Telephone:	(716) 285-1252
DEC Region:	9	Permit #:	2585
Permit issue date:	Not reported	Permit Expires:	10/31/1984
Authrzd/Operate Dt:	10/20/1981	Constrct Perm #:	Not reported
Auth. to Construct:	Not reported	Const Permit Exp:	Not reported
Regulatory Status:	None	Receiving Waste:	False
Started Rec Waste:	Not reported	Stop Rec Waste:	Not reported
Aquifer:	none		
Inactive HWS:	True	Inactive HWS Num:	932001
Inactive HWS Class:	Does not present a significant threat to the public health or the environment - action may be deferred.		
Waste type:	Industrial		
Owner Name:	SKW ALLOYS	Owner Type:	Private
Mail Address:	3801 HIGHLANDS AVE NIAGARA, NY 14305		
Owner Phone Num:	(716) 285-1252	Operator Name:	SKW ALLOYS
Annual Report Submitted to ALB:			
1989:	False	1990:	False
1991:	False	1992:	False
1993:	False	1994:	False
1995:	False		
1996:	False		
Primary Liner:	Not reported	Secondary Liner:	Not reported
Annual Rprt Waived:	Not reported	Tiping Fee Rprtd:	Not reported
Date Ordered On Consent Signed:	19910318		
Accomplish Date Of Order:	19920630		
Ny Transverse Mercator Coordinates East:	171295		
Ny Transverse Mercator Coordinates North:	4761877		

A9  
North  
1/8-1/4  
Higher

CHISM-RIDER  
3800 HIGHLAND AVE  
NIAGARA FALLS, NY

LUST  
HSWDS

S100117703  
N/A

### LUST:

Spill Number:	8900946	Region of Spill:	9
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	JDC	Spill Type:	Facility
Caller Name:	ROBERT CLARKSON	Caller Agency:	ALLWASH
Caller Phone:	(315) 454-4473	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
Spiller Contact:	Not reported	Spiller Phone:	(716) 285-0188
Spiller:	CHISM-RIDER		
Address:	3800 HIGHLAND AVENUE NIAGARA FALLS, NY 14305		
Spill Class:	Not reported		
Spill Closed Dt:	07/07/1989	Resource Affected:	Groundwater
Spill Cause:	Tank Failure	Spill Source:	Other Commercial/Industrial
Water Affected:	Not reported	PBS Number:	9-437050
Spill Notifier:	Responsible Party	Reported to Dept:	04/25/1989 15:00
Spill Date:	04/25/1989 14:30		
Cleanup Ceased:	07/07/1989		
Last Inspection:	07/07/1989		
Cleanup Meets Standard:	True		
Recommended Penalty:	No Penalty		
Spiller Cleanup Date:	Not reported		

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

CHISM-RIDER (Continued)

S100117703

Enforcement Date: Not reported  
Investigation Complete: Not reported  
UST Involvement: True  
Spill Record Last Update: 07/11/1989  
Corrective Action Plan Submitted: Not reported  
Date Spill Entered In Computer Data File: 05/01/1989  
Tank Number: Not reported Capacity (Gal): 0  
Test Method: Not reported Leak Rate: 0.00  
Gross Leak/Fail: Not reported  
Material Class: Petroleum Material Code: 0008  
Unkwn Quantity: False Unk Qt Recovered: False  
Quantity Spilled: 100 Quant Recovered: 100  
Quantity Units: Gallons  
Remark: CONTRACTOR FOUND CONTAMINATED SOIL WHILE REMOVING TANKS

A10  
North  
1/8-1/4  
Higher

LAUR & MACK CONTRACTING CO INC  
1400 COLLEGE AVE  
NIAGARA FALLS, NY 14302

RCRIS-SQG 1000350821  
FINDS NYD009777129  
UST

RCRIS:

Owner: CORPORATION-STATE OF NEW YORK  
(212) 555-1212  
Contact: GEORGE MACK  
(716) 284-0481  
Record Date: 01/16/81  
Classification: Hazardous Waste Transporter  
Used Oil Recyc: No  
Violation Status: No violations found

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

LAUR & MACK CONTRACTING CO INC (Continued)

1000350821

PBS UST:

PBS Number:	9-387320	CBS Number:	Not reported
Town:	Not reported	SWIS ID:	2911
Telephone:	(716) 284-0481	Location:	Not reported
Operator:	LAUR & MACK CONTRACTING CO INC		
Contact:	Not reported		
Emergency Contact:	HERBERT PORTER, (716) 285-1199		
Facility Type:	OTHER [SPECIFY]		
Total Tanks:	3	Old PBS Num:	Not reported
Owner:	LAUR & MACK CONTRACTING CO INC		

1400 COLLEGE AVE  
NIAGARA FALLS, NY 14302  
(716) 284-0481

Owner Type:	Corporate/Commercial	Owner Mark:	First Owner
Owner Subtype:	Not reported		

Mailing Address: LAUR & MACK CONTRACTING CO INC  
1400 COLLEGE AVE  
P.O. BOX 805  
NY 14302  
(716) 284-0481  
ATTN: GEORGE L. MACK

Facility Status:	Active	Total Capacity:	3000
Certification:	06/13/1994	Expiration:	08/17/1997

Tank Status: Closed-Removed

Tank Location: UNDERGROUND

Tank ID: 1

Product Stored: LEADED GASOLINE

Tank Internal: NONE

Pipe Location: Underground

Tank External: NONE/PAINTED/ASPHALT COATING

Pipe External: NONE/NONE

Second Containment: NONE/NONE

Leak Detection: NONE/NONE

Overfill Prot: Product Level Gauge

Date Tested: 06/89

Date Closed: 06/94

Install Date:	01/80
Tank Type:	Steel/carbon steel
Pipe Internal:	NONE
Pipe Type:	GALVANIZED STEEL

Dispenser:	Suction
Next Test Date:	Not reported
Test Method:	PETRO-TITE

# MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

## LAUR & MACK CONTRACTING CO INC (Continued)

1000350821

PBS Number:	9-387320	CBS Number:	Not reported
Town:	Not reported	SWIS ID:	2911
Telephone:	(716) 284-0481	Location:	Not reported
Operator:	LAUR & MACK CONTRACTING CO INC		
Contact:	Not reported		
Emergency Contact:	HERBERT PORTER, (716) 285-1199		
Facility Type:	OTHER (SPECIFY)		
Total Tanks:	3	Old PBS Num:	Not reported
Owner:	LAUR & MACK CONTRACTING CO INC 1400 COLLEGE AVE NIAGARA FALLS, NY 14302 (716) 284-0481		
Owner Type:	Corporate/Commercial	Owner Mark:	First Owner
Owner Subtype:	Not reported		
Mailing Address:	LAUR & MACK CONTRACTING CO INC 1400 COLLEGE AVE P.O. BOX 805 NY 14302 (716) 284-0481 ATTN: GEORGE L. MACK		
Facility Status:	Active	Total Capacity:	5775
Certification:	06/13/1994	Expiration:	08/17/1997
Tank Status:	Closed Before April 1, 1991		
Tank Location:	UNDERGROUND		
Tank ID:	2	Install Date:	01/81
Product Stored:	DIESEL	Tank Type:	Steel/carbon steel
Tank Internal:	Not reported	Pipe Internal:	Not reported
Pipe Location:	Not reported	Pipe Type:	GALVANIZED STEEL
Tank External:	Not reported		
Pipe External:	Not reported		
Second Containment:	NONE		
Leak Detection:	NONE		
Overfill Prot:	Product Level Gauge	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	Not reported
Date Closed:	00/00	Test Method:	Not reported

# MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

## LAUR & MACK CONTRACTING CO INC (Continued)

1000350821

PBS Number:	9-387320	CBS Number:	Not reported
Town:	Not reported	SWIS ID:	2911
Telephone:	(716) 284-0481	Location:	Not reported
Operator:	LAUR & MACK CONTRACTING CO INC		
Contact:	Not reported		
Emergency Contact:	HERBERT PORTER, (716) 285-1199		
Facility Type:	OTHER [SPECIFY]		
Total Tanks:	3	Old PBS Num:	Not reported
Owner:	LAUR & MACK CONTRACTING CO INC		
	1400 COLLEGE AVE		
	NIAGARA FALLS, NY 14302		
	(716) 284-0481		
Owner Type:	Corporate/Commercial	Owner Mark:	First Owner
Owner Subtype:	Not reported		
Mailing Address:	LAUR & MACK CONTRACTING CO INC		
	1400 COLLEGE AVE		
	P.O. BOX 805		
	NY 14302		
	(716) 284-0481		
	ATTN: GEORGE L. MACK		
Facility Status:	Active	Total Capacity:	2000
Certification:	06/13/1994	Expiration:	08/17/1997
Tank Status:	Temporarily Out Of Service		
Tank Location:	UNDERGROUND		
Tank ID:	3	Install Date:	09/89
Product Stored:	DIESEL	Tank Type:	Steel/carbon steel
Tank Internal:	NONE	Pipe Internal:	NONE
Pipe Location:	Underground	Pipe Type:	GALVANIZED STEEL
Tank External:	NONE/SACRIFICIAL ANODE		
Pipe External:	NONE/SACRIFICIAL ANODE		
Second Containment:	NONE/DOUBLED-WALLED TANK		
Leak Detection:	NONE/INTERSTITIAL MONITORING		
Overfill Prot:	Float Vent Valve	Dispenser:	Suction
Date Tested:	Not reported	Next Test Date:	N.T.R
Date Closed:	Not reported	Test Method:	Not reported

A11  
North  
1/8-1/4  
Higher

GLOBE ENVIRONMENTAL  
3807 HIGHLAND AVE  
NIAGARA FALLS, NY

LUST

\$101659338  
N/A

### LUST:

Spill Number:	9507367	Region of Spill:	9
Facility Contact:	Not reported	Facility Tele:	Not reported
Investigator:	SAC-NCHD	Spill Type:	Facility
Caller Name:	PETER HITCHCOCK	Caller Agency:	ELMWOOD TANK
Caller Phone:	(716) 694-1094	Caller Extension:	Not reported
Notifier Name:	Not reported	Notifier Agency:	Not reported
Notifier Phone:	Not reported	Notifier Extension:	Not reported
Spiller Contact:	Not reported	Spiller Phone:	Not reported
Spiller:	GLOBE METALLURGICAL		
Address:	3807 HIGHLAND AVENUE		
	NIAGARA FALLS, NY		
Spill Class:	Known release that creates potential for fire or hazard. DEC Response. Willing Responsible Party. Corrective action taken.		
Spill Closed Dt:	01/31/1996	Resource Affected:	On Land
Spill Cause:	Tank Failure	Spill Source:	Other Commercial/Industrial
Water Affected:	Not reported		

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**GLOBE ENVIRONMENTAL (Continued)**

S101659338

Spill Notifier:	Other	PBS Number:	Not reported
Spill Date:	09/01/1995 12:00	Reported to Dept:	09/12/1995 09:45
Cleanup Ceased:	Not reported		
Last Inspection:	09/12/1995		
Cleanup Meets Standard:	True		
Recommended Penalty:	No Penalty		
Spiller Cleanup Date:	Not reported		
Enforcement Date:	Not reported		
Investigation Complete:	Not reported		
UST Involvement:	False		
Spill Record Last Update:	02/01/1996		
Corrective Action Plan Submitted:	Not reported		
Date Spill Entered In Computer Data File:	09/17/1995		
Tank Number:	Not reported	Capacity (Gal):	Not reported
Test Method:	Not reported	Leak Rate:	Not reported
Gross Leak/Fail:	Not reported		
Material Class:	Petroleum	Material Code:	0001
Unknown Quantity:	True	Unk Qt Recovered:	True
Quantity Spilled:	0	Quant Recovered:	0
Quantity Units:	Gallons		
Remark:	CONTAMINATION FOUND DURING TANK REMOVAL		

A12  
North  
1/8-1/4  
Higher

GLOBE METALLURGICAL INC.  
3807 HIGHLAND AVE  
NIAGARA FALLS, NY 14305

UST  
AST

U003079623  
N/A

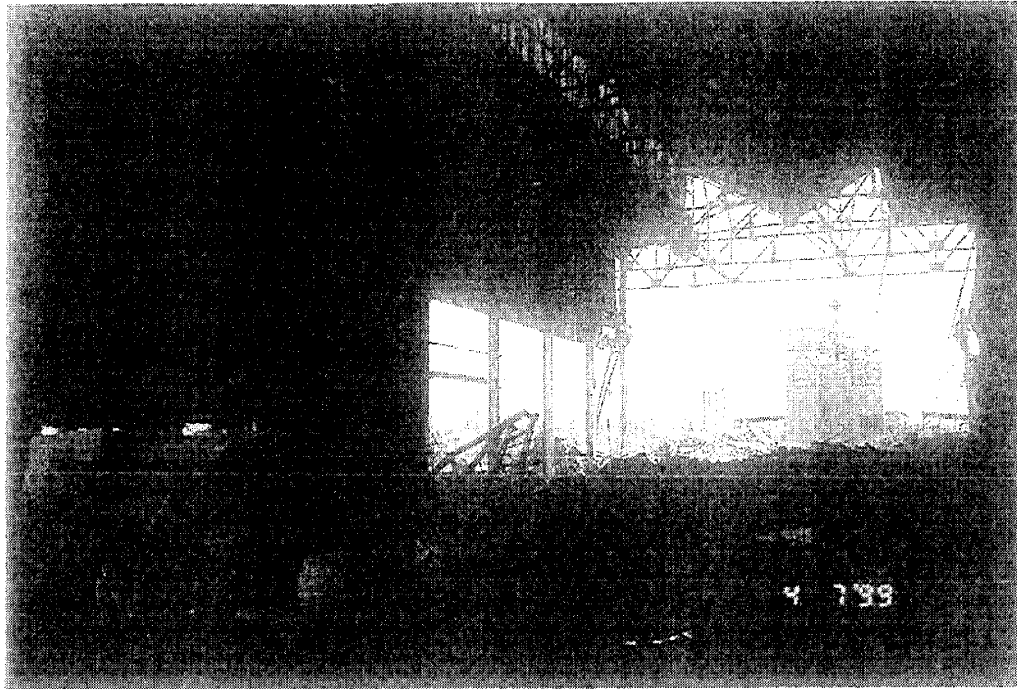


Photo 21 - View of the interior of the building shell at the Hazorb Site from the north end, facing south-southeast.

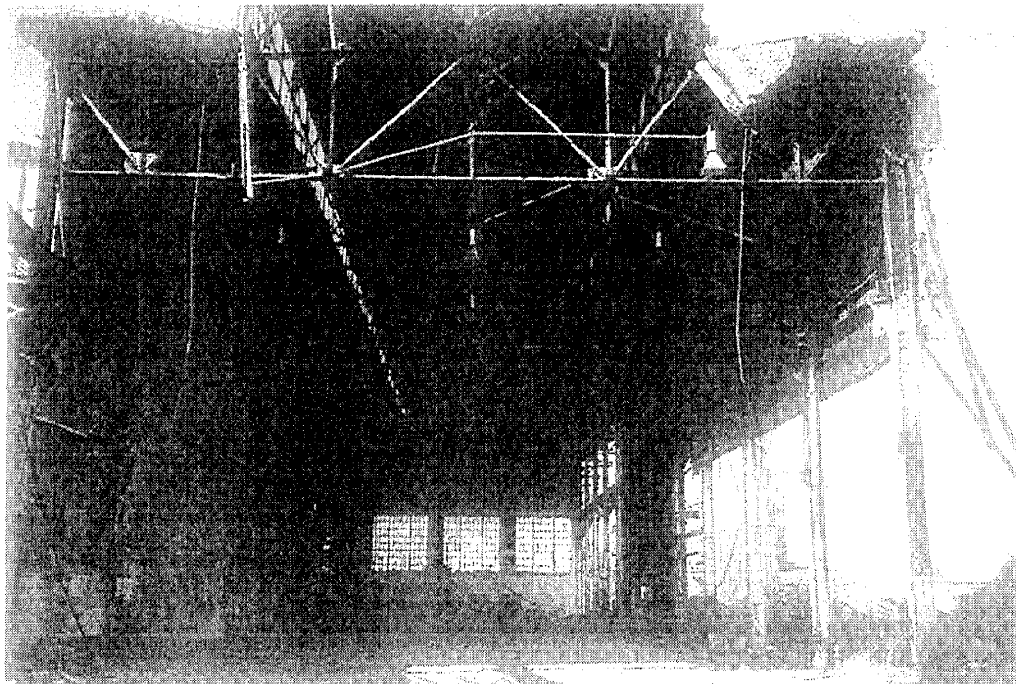


Photo 22 - View of the interior of the building shell at the Hazorb Site from the south end, facing north.

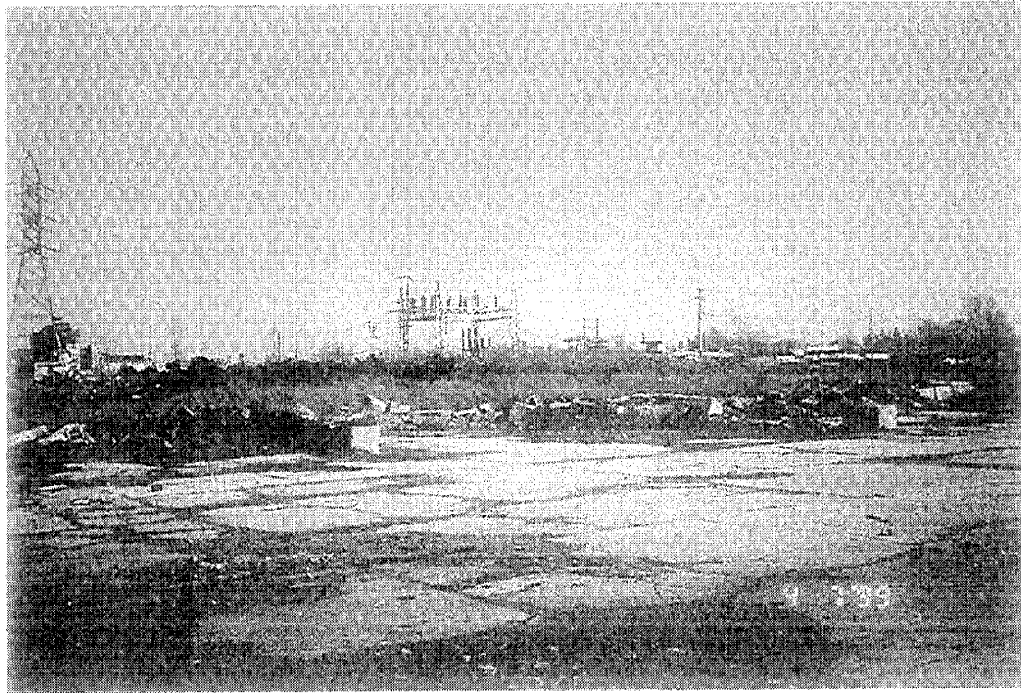


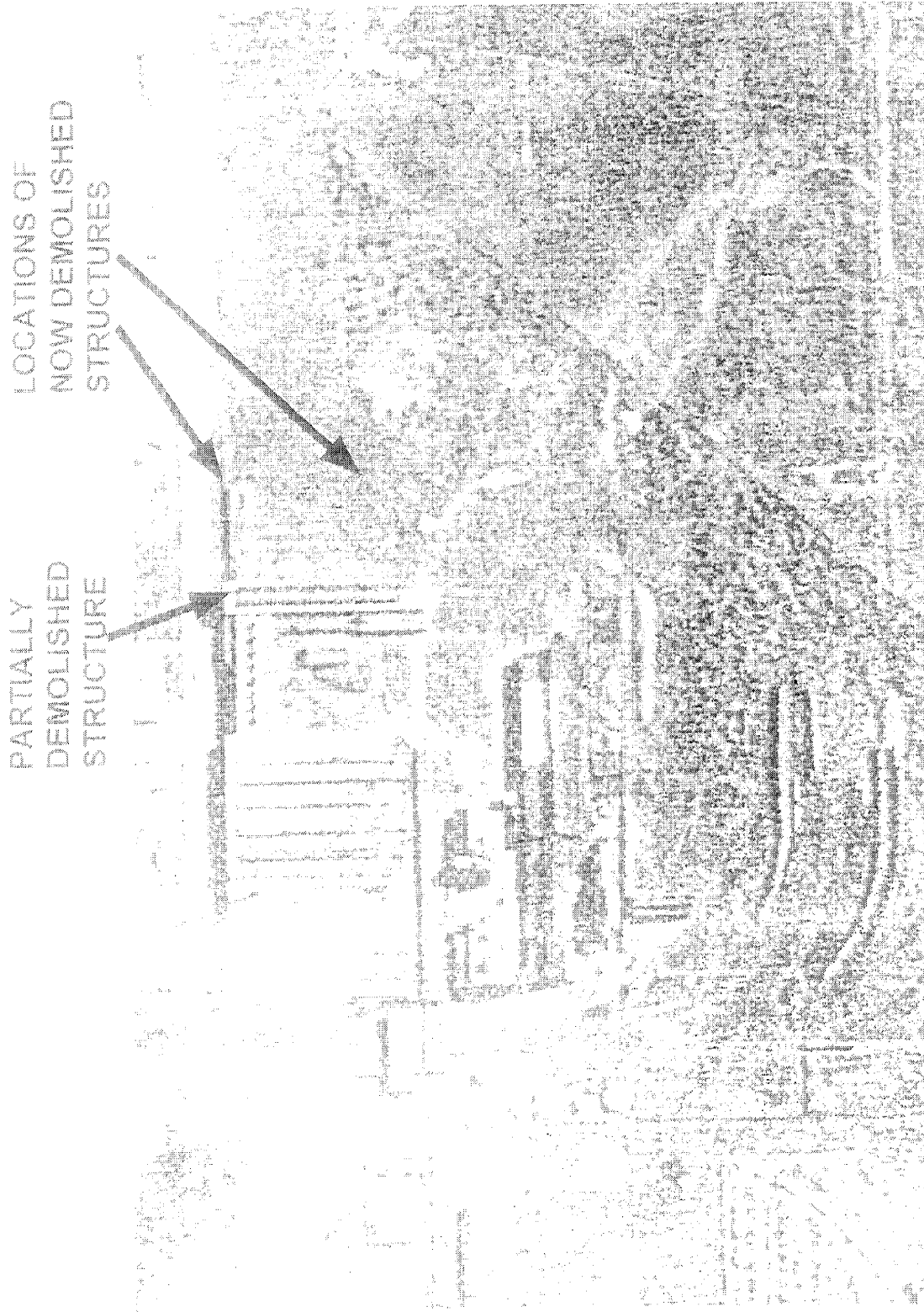
Photo 23 - View of the midsection of the Hazorb Site from the southeast corner of the building shell, facing southeast.



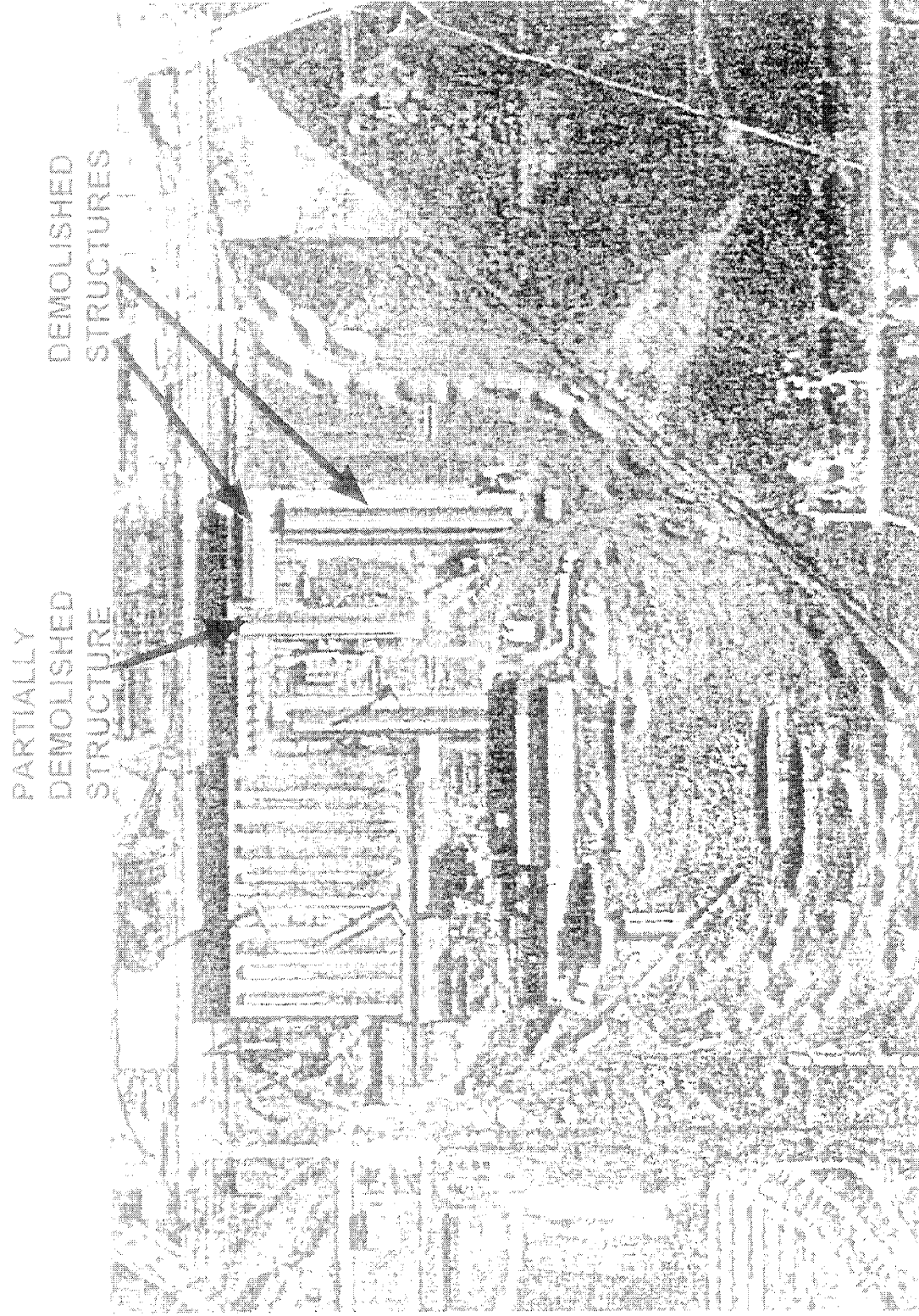
Photo 24 - View of the western section of the Hazorb Site, south of the building shell, facing northwest.



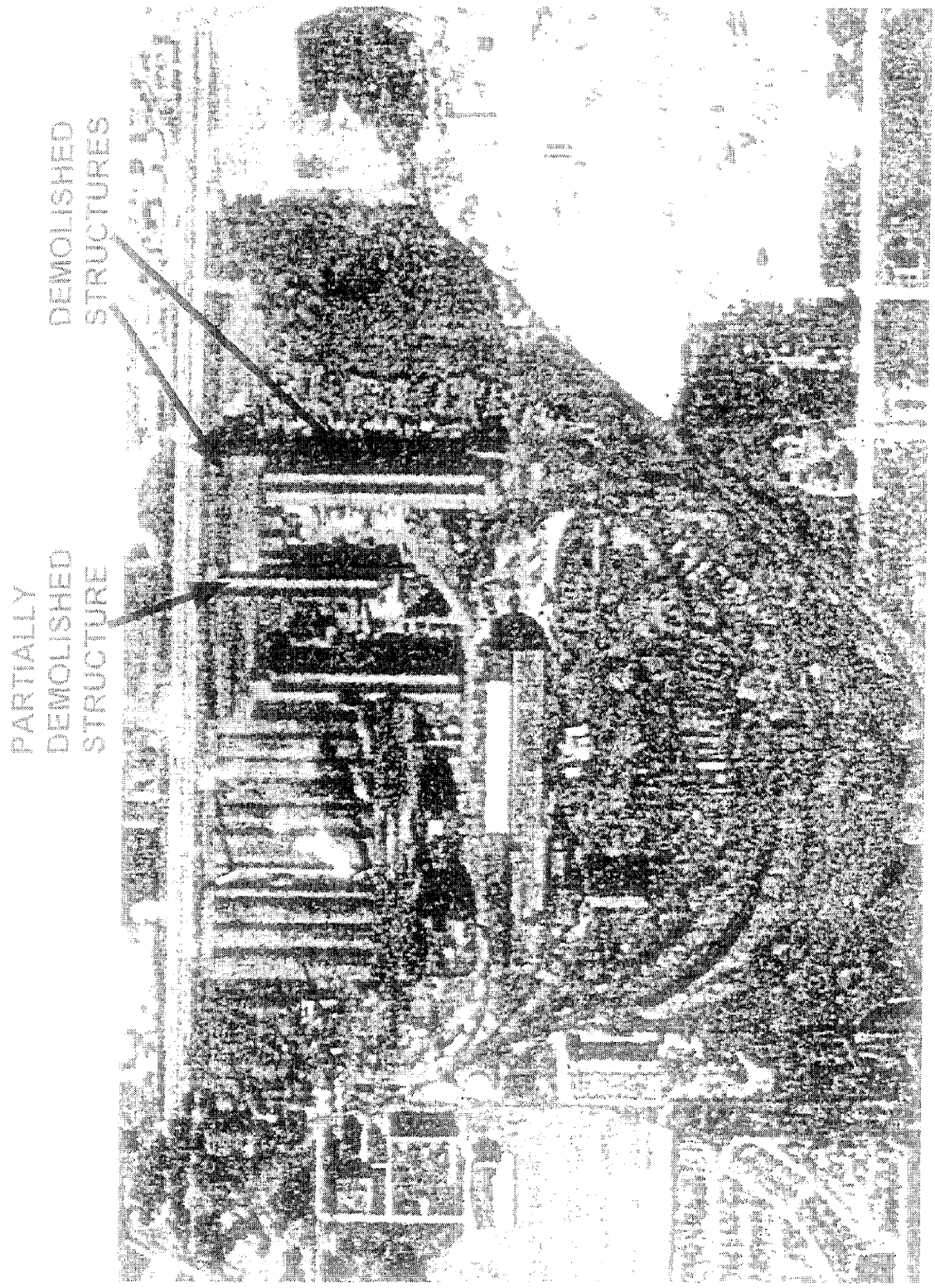
## APPENDIX D



Aerial Photo 1 - 1938 aerial photograph of the Hazard Site, College Avenue, Niagara Falls, New York



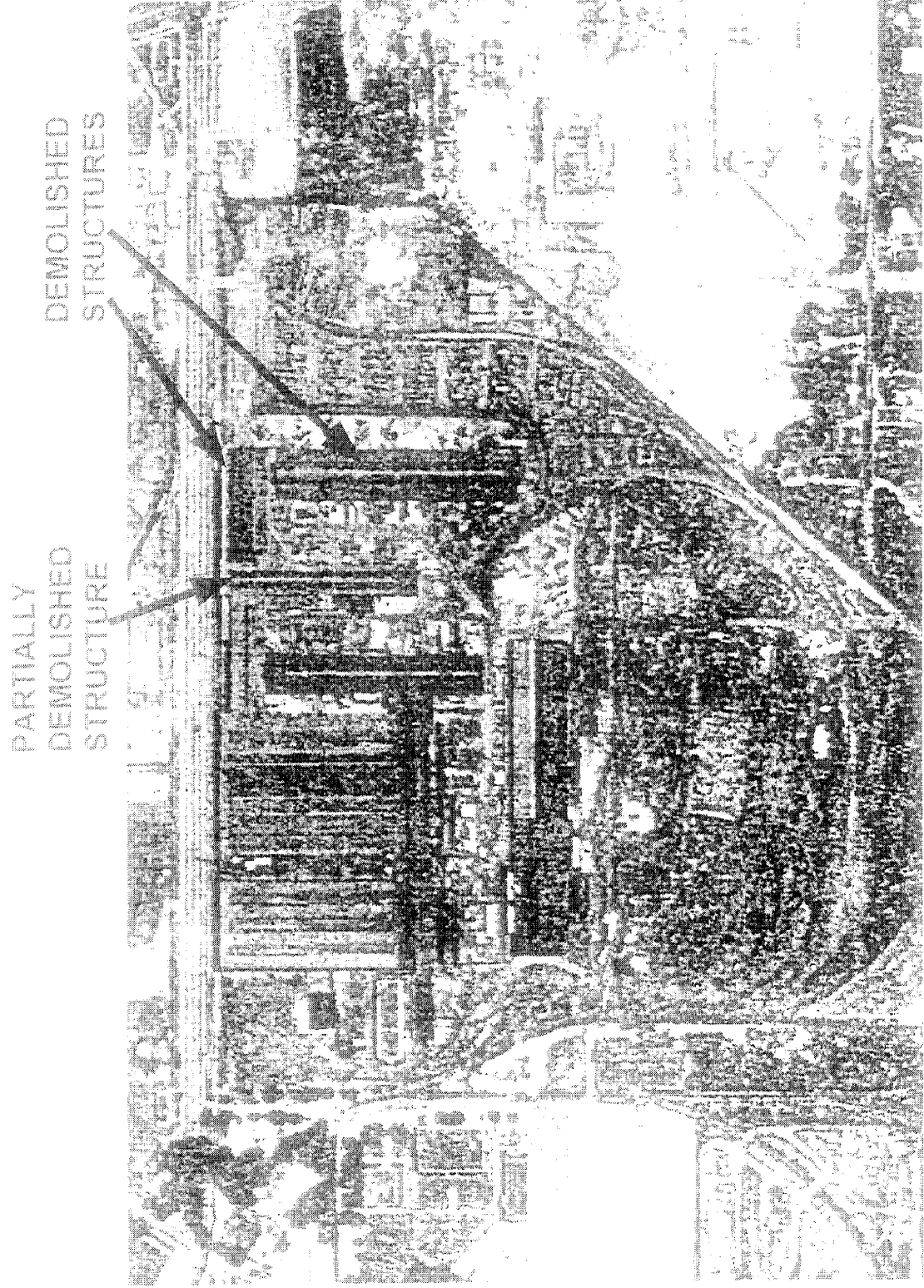
Aerial Photo 2 1951 aerial photograph of the Hazorb Site, College Avenue, Niagara Falls, New York.



PARTIALLY  
DEMOLISHED  
STRUCTURE

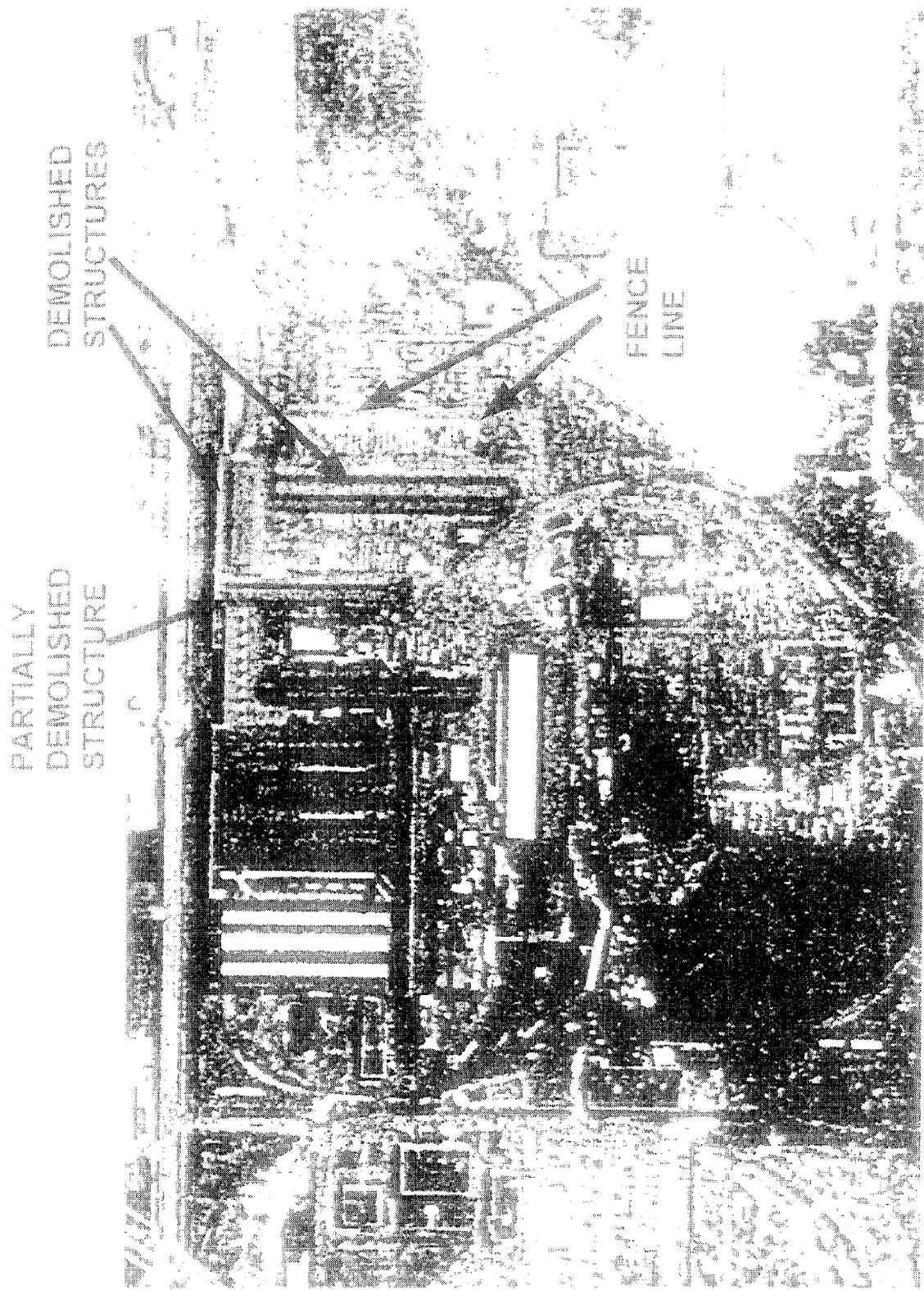
DEMOLISHED  
STRUCTURES

Aerial Photo 3 - 1953 aerial photograph of the Hazorb Site, College Avenue, Niagara Falls, New York.



Aerial Photo 4 - 1966 aerial photograph of the Hazorb Site, College Avenue, Niagara Falls, New York



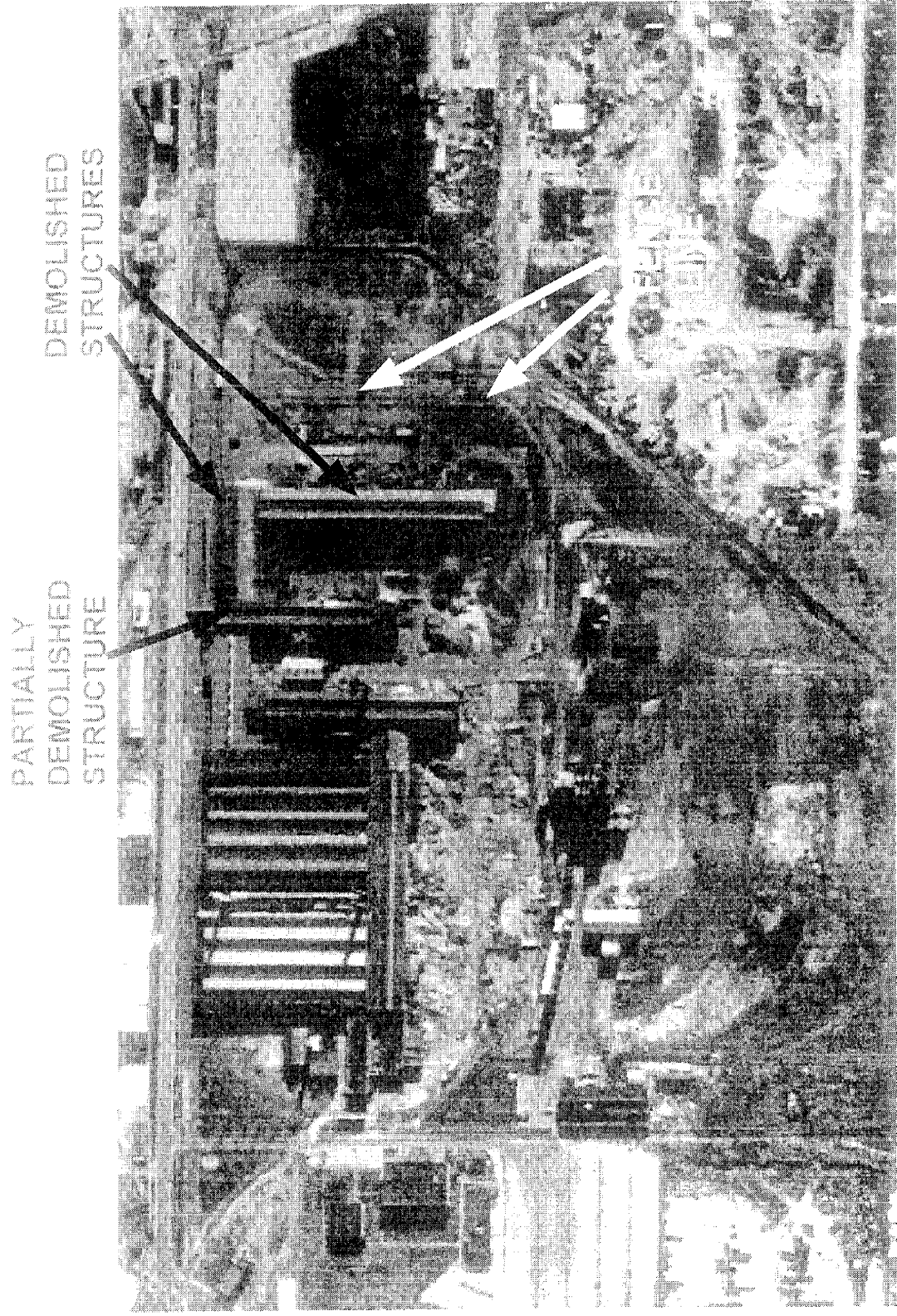


PARTIALLY  
DEMOLISHED  
STRUCTURE

DEMOLISHED  
STRUCTURES

FENCE  
LINE

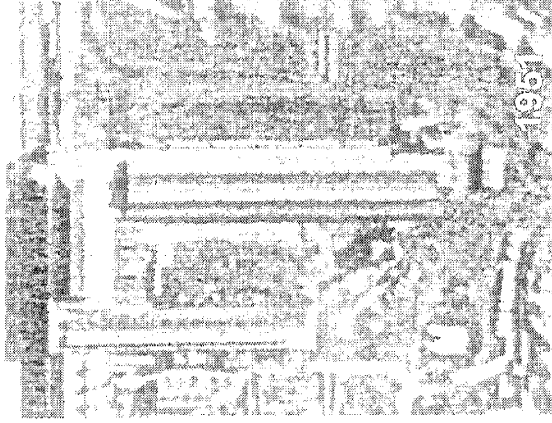
Aerial Photo 5 - 1977 aerial photograph of the Hazorb Site, College Avenue, Niagara Falls, New York.



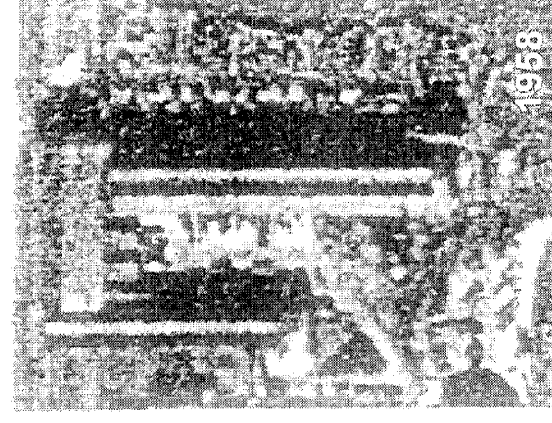
Aerial Photo 6 - 1991 aerial photograph of the Hazen Site, College Avenue, Niagara Falls, New York.



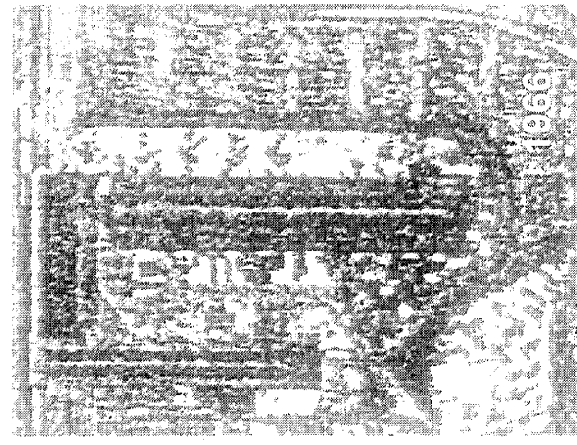
1958



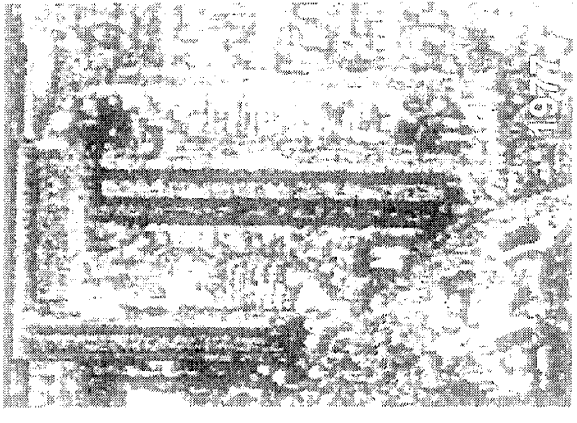
1961



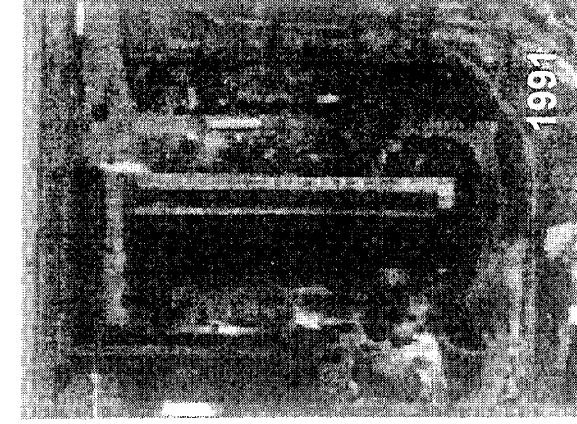
1958



1966



1977



1991

Aerial Photo 7 - Comparison of 1958, 1961, 1966, 1977, 1991 aerial views of the Lazarb Site, College Avenue, Niagara Falls, New York



## APPENDIX E

## REFEREE'S DEED IN FORECLOSURE

THIS DEED, made the 27<sup>th</sup> day of April, 1994

BETWEEN David G. Boniello, Esq., Referee, duly appointed in the action hereinafter mentioned, Grantor and HAZORB, INC., Grantee

WITNESSETH, that the Grantor, the referee appointed in an action between

012181

HAZORB, INC. f/k/a  
EASTERN OHIO PAVING, INC.,

Plaintiff,

E 5052

and

RECEIVED  
858-  
APR 20 1994  
TRANSFER TAX  
PEOPLE OF THE STATE OF NEW YORK; and  
NIAGARA COUNTY "JOHN DOE",

CARBO-SIL, INC., CHARLES W. KNAPP;  
CRAMER INDUSTRIAL SUPPLIES, INC.;  
NEW YORK STATE DEPARTMENT OF LABOR;  
UNEMPLOYMENT INSURANCE DIVISION,  
COMMISSIONER OF LABOR;  
MORRIS PROTECTIVE SERVICE, INC.;

Defendants.

foreclosing a mortgage recorded on January 22, 1988 in the office of the Clerk of the County of Niagara in Liber 1927 of Mortgages, at Page 257 and re-recorded in Liber 2031 of Mortgages at Page 269 on February 1, 1989, and a mortgage recorded on August 22, 1990 in the office of Clerk of the County of Niagara in Liber 2307 of Mortgages at Page 58 in pursuance of a judgment entered at an All Purpose Term of the Supreme Court, County of Niagara on March 18, 1994 and in consideration of Twenty-Five Thousand and no/100----- (\$25,000.00)----- Dollars, credited to the Grantee, being the highest sum bid at the sale under said judgment does hereby grant and convey unto the Grantee,

SEE ANNEXED SCHEDULE "A"

TO HAVE AND TO HOLD the premises herein granted unto the Grantee, HAZORB, INC. its successors and assigns forever, whenever the text hereof requires, the singular number as used herein shall include the plural and all genders.

IN WITNESS WHEREOF, the Grantor has hereunto set his hand and seal, the date first above written.

In Presence of:

*David G. Boniello*  
David G. Boniello, Esq.,  
Referee

STATE OF NEW YORK)  
COUNTY OF Niagara ) SS:

On the 27<sup>th</sup> day of April, 1994, before me came David G. Boniello, Esq., to me known and known to me to be the individual described in, and who executed, the foregoing instrument, and acknowledged to me that he executed the same.

KEITH A. HERALD  
Notary Public, State of New York  
Qualified in Erie County  
My Commission Expires Aug 29, 1994

*Keith A. Herald*  
Notary Public

Tax Map No. 130-18-2-3-13  
130-18-2-15

SCHEDULE A

PARCEL "A"

Premises being ALL THAT CERTAIN PIECE OR PARCEL OF LAND, situate, lying and being in the City of Niagara Falls, Niagara County and State of New York, being part of Lots 32 and 33 of the Mile Reservation, being more particularly bounded and described as follows:

BEGINNING AT A POINT 30.00 feet south of the south right of way line of College Avenue (60' wide) (formerly Whirlpool Street), 978.05 feet east of the east right of way line of 15th Street (60' wide), said point being in the south line of lands of the Penn Central Railroad; THENCE continue easterly along the south line of said Penn Central Railroad and bearing N 90°00'00" E, 335.64 feet to a point in the northwest corner of the right of way as shown on a Map prepared by Design Systems Collaborative and filed in the Niagara County Clerk's Office on 12/22/87 in Book 51 of Microfilmed Maps at pages 4946 and 4947; THENCE along the west line of said right of way the following bearings and distances: S 00°00'00" E, 50.00 feet to a point; N 90°00'00" W, 6.00 feet to a point; S 00°00'00" E, 10.00 feet to a point; THENCE westerly along a line bearing N 90°00'00" W, 297.25 feet to a point; THENCE southerly along a line bearing S 00°07'14" W, 30.00 feet to a point; THENCE westerly along a line bearing N 90°00'00" W, 122.34 feet to a point; THENCE northerly along a line bearing N 00°11'43" E, 130.00 feet to the point or place of beginning, containing 0.99 acres more or less

Said premises are a portion of Lot No. 1 as shown on said Map filed in Book 51 of Microfilmed Maps at pages 4946 and 4947

PARCEL "B"

Premises being ALL THAT CERTAIN PIECE OR PARCEL OF LAND, situate, lying and being in the City of Niagara Falls, Niagara County and State of New York, being part of Lots 32 and 33 of the Mile Reservation, being more particularly bounded and described as follows:

BEGINNING AT A POINT 30.00 feet south of the south right of way line of College Avenue (60' wide) (formerly Whirlpool Street), 922.25 feet east of the east right of way line of 15th Street (60' wide), said point being in the south

Quit Claim Deed (Corporation)

FEE 47.00  
BOOK 2113-001 CLERK 7 21 92 2:23PM

016643

THIS INDENTURE

Made the 15<sup>th</sup> day of July, Nineteen Hundred and Ninety-Two (1992)

BETWEEN

TRAN. TAX 18.00  
BOOK 2113-001 CLERK 7 21 92 2:23PM

NIAGARA VEST, INC., a corporation organized under the Laws of the State of New York, and having its place of business at 1180 Route 130 South, Robbinsville, New Jersey, 08691,

party of the first part, and

EASTERN OHIO PAVING, INC., AN OHIO CORPORATION

44 16th St. Wheeling W. Va. party of the second part, 26003

WITNESSETH, that the said party of the first part, in consideration of the sum of ONE AND MORE DOLLARS (\$1.00 and more), lawful money of the United States, paid by the said party of the second part, do hereby remise, release and forever Quit-Claim unto the said party of the second part, its successors and assigns forever,

ALL THAT CERTAIN PIECE OR PARCEL OF LAND, situate, lying and being in the City of Niagara Falls, County of Niagara and State of New York, being Part of Lot 33 of The Mile Reserve and being more particularly bounded and described as follows:

BEGINNING at a point 30.00 feet south of the south right-of-way line of College Avenue (60' wide) (formerly Whirlpool Street), 922.25 feet east of the east right of way line of 15th Street (60' wide), said point being in the south line of lands of the Penn Central Railroad; thence continue easterly along the south line of said Penn Central Railroad and bearing N-90°-00'-00"-E, 391.44 feet to a point in the northwest corner of the right of way as shown on a map prepared by Design Systems Collaborative and filed in the Niagara County Clerk's Office on 12/22/87 in Book 51 of Microfilmed Maps at pp. 4946 and 4947; thence along the west line of said right of way, the following bearings and distances: S-00°-00'-00"-E, 50.00 feet to a point; N-90°-00'-00"-W, 6.00 feet to a point; S-00°-00'-00"-E, 50.00 feet to a point; thence westerly along a line bearing N-90°-00'-00"-W, 109.70 feet to a point; thence southerly along a line bearing S-00°-00'-00"-E, 468.09 feet to a point in the northwest line of said right of way; thence southwesterly along the northwest line of said right of way and bearing S-60°-48'-36"-W, 49.64 feet to a point; thence westerly along the north line of said right of way and bearing S-89°-57'-24"-W, 60.12 feet to the true point of beginning; thence northerly and bearing N-00°-02'-35"-E, 161.75 feet to a point; thence westerly and bearing S-89°-57'-24"-W, 65.41 feet to a point; thence southerly and bearing S-00°-02'-35"-W, 161.75 feet to a point in the north line of said right of way; thence easterly along the north line of said right of way 65.41 feet to the point of beginning.

SAID PREMISES being Lot No. 3 as shown on said map filed in the Niagara County Clerk's Office in Book 51 of Microfilmed Maps at pp. 4946 and 4947.

6875

RECEIVED

\$ 18.00

JUL 21 1992

TRANSACTION  
NIAGARA COUNTY

# This Indenture, LIBER 2334 PAGE 35

Made the 15<sup>th</sup> day of July in the year One Thousand

Nine Hundred and Ninety-Two (1992)

Between NIAGARA VEST, INC.

FILED  
NOT. 1113-001 CLERK 7/21/92 2:23PM 7.00

a corporation organized under the Laws of the State of New York, and having its place of business in  
at 1140 ROUTE 130 SOUTH,  
the City of Robbinsville the State of New Jersey, County

of Mercer and State of New York, party of the first part, and

EASTERN OHIO PAVING, INC.,

AN OHIO CORPORATION

of the second part,

Witnesseth, That the said party of the first part, in consideration of the sum of

ONE AND MORE

(\$ 1 & more ---- ), lawful money of the United States, paid by the said part 7 of the second

part, doth hereby grant and release unto the said part 7 of the second part,

and assigns forever, JMK

TRAIN TAX 15.00  
NOT. 1113-001 CLERK 7/21/92 2:23PM

016642

ALL THAT CERTAIN PIECE OR PARCEL OF LAND, situate, lying and being in the City of Niagara Falls, Niagara County and State of New York, being Part of Lots 32 and 33 of The Mile Reservation, being more particularly bounded and described as follows:

COMMENCING at a point 30.00 feet south of the south right-of-way of College Avenue (60' wide) (formerly Whirlpool Street), 1313.69 feet East of the East Right-of-Way line of 15th Street (60' wide), said point being in the south line of lands of the Penn Central Railroad and the Northwest corner of the Right-of-way; thence along the west line of said right-of-way, \*\*  
~~SE00°00'00"E 300.00' to the point of beginning;~~ Thence continuing southerly along said 50' Right-of-Way, S-00°00'-00"-E, 406.81 feet to an angle point on said Right-of-Way; thence S-60°48'-36"-W along said Right-of-way 125.66 feet to a point; Thence N-00°00'-00"-E along a line 468.09 feet to a point; thence N-90°00'-00"-E along a line 109.70 feet to the point or place of beginning containing 1.10 acres, more or less.

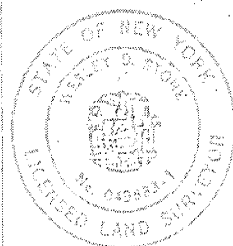
\* as shown on a map prepared by Design Systems Collaborative and filed in the Niagara County Clerk's Office on 12/22/87 in Book 51 of Microfilmed Maps at Pages 4946 and 4947;

\*\* The following bearing and distances: S-00°00'-00"-E, 50.00 feet to a point; N-90°00'-00"-W, 6.00 feet to a point; S-00°00'-00"-E, 50.00 feet to the place of beginning;

6876

RECEIVED  
\$ 18.00  
JUL 21 1992  
TRANSFER TAX  
NIAGARA COUNTY

COLLEGE AVE. (FORMERLY WARDEN ST.)



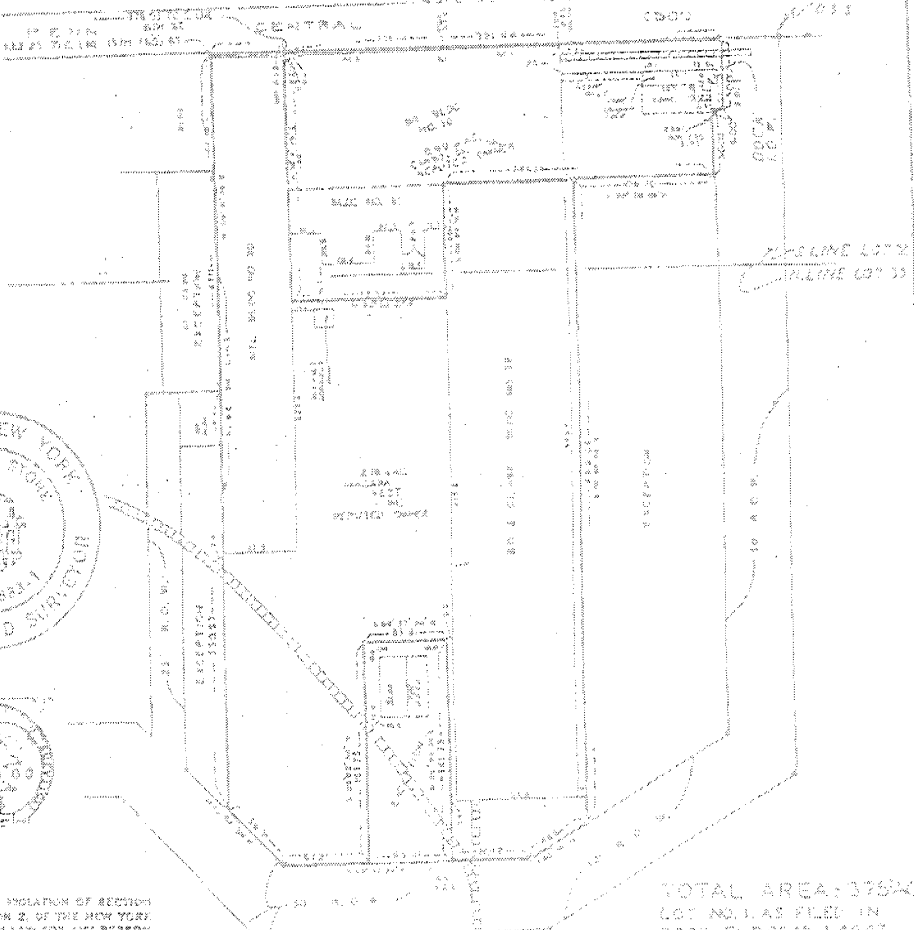
WARNING: IT IS A VIOLATION OF SECTION 7209, SUBDIVISION 2, OF THE NEW YORK STATE EDUCATION LAW FOR ANY PERSON UNLESS ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER OR LAND SURVEYOR TO ALTER, IN ANY WAY, ANY PLANS, SPECIFICATIONS, PLATS OR REPORTS TO WHICH THE SEAL OF A PROFESSIONAL ENGINEER OR LAND SURVEYOR HAS BEEN APPLIED.

**BISSELL & STONE**

BISSELL STONE ASSOCIATES  
ENGINEERING AND LAND SURVEYING, P.C.  
CIVIL ENGINEERING, LAND SURVEYING,  
SITE PLANNING CONSULTING  
BUFFALO - WESTERN NEW YORK

DATE: 5-21-90	JOB NO: 44372 S.	FIELD BOOK: 998755	SCALE: 1"=100'
RE-SURVEINED:			

SURVEY OF PART OF LOT 32 & 33, SECT. —, TWP. —, RANGE —,  
CITY OF NIAGARA FALLS, NIAGARA CO., NY - MILE RESERVATION



TOTAL AREA: 37524  
LOT NO. 1 AS FILED IN  
BOOK 51 P 444B & 4447

Telnet - 192.10.100.3

Connect Edit Terminal Help

D: 12/29/98  
T: 13:03:09

Real Property Tax Services

Dept: RPTS  
PageNo: 1

GRANTEE / ADDRESS

LIBER PAGE

SALE DT

SALE PR

HAZARB INC

1777 COLLEGE AVE/S

2512

136

04/29/94

214,119

Press RETURN to continue

Telnet - 192.10.100.3

Connect Edit Terminal Help

D: 12/29/98  
T: 13:02:10

Real Property Tax Services

Dept: APTS  
PageNo: 1

GRANTEE / ADDRESS

LIBER PAGE

SALE DT

SALE PR

HAZORB INC

COLLEGE AVE/S

2512 136

04/29/94

Press RETURN to continue



Telnet - 192.10.100.3

Connect Edit Terminal Help

D: 12/29/98

Real Property Tax Services

Dept: RPIS

T: 13:04:46

PageNo: 1

GRANTEE / ADDRESS

LIBER PAGE

SALE DT

SALE PR

EASTERN OHIO PAVING INC

2394

35

07/21/92

4,588

COLLEGE AVE/S

Press RETURN to continue

Telnet - 192.10.100.3

Connect Edit Terminal Help

D: 12/29/98

T: 13:05:37

Real Property Tax Services

Dept: RPTS

PageNo: 1

GRANTEE / ADDRESS

LIBER PAGE

SALE DT

SALE PR

EASTERN OHIO PAVING INC

2394

97

07/21/92

4,580

COLLEGE AVE/S

Press RETURN to continue

## APPENDIX F

## RAMFRAX ST-3R RAMMING MIX

MAY BE HARMFUL IF INHALED.

DUST MAY CAUSE EYE, SKIN AND RESPIRATORY TRACT IRRITATION.

Before using this product, read the MSDS which contains more detailed precautionary measures, handling instructions and emergency procedures.

Avoid contact with skin, eyes and clothing. Avoid creating dust. Use with adequate ventilation. After handling, wash thoroughly with soap and water. Pre-existing medical conditions such as bronchial hyper-reactivity and chronic bronchial disease may be aggravated by exposure.

Sohio Engineered Products Refractories Div.  
Keasbey, N.J. 08832  
U.S.A.

FOR ANY CHEMICAL EMERGENCY CALL CHEMTREC (800) 424-9300  
ISSUE DATE: 16-OCT-85 08:01:25

The following components of this product  
are listed in accordance with  
right-to-know laws:

<u>CAS No.</u>	<u>Component</u>
1344-28-1	Alumina
409-21-2	Silicon Carbide
60676-36-0	Silicon Dioxide
NA	Phenolic resin
7732-18-5	Water
50-00-0	Formaldehyde

NA = Not Applicable

### ATTENTION!

Empty containers may contain product residue. Do not reuse or dispose of container without adequate precautions.

OBSERVE ALL PRECAUTIONARY LABELING

## APPENDIX B

### GEOPROBE LOGS

URS Corporation										TEST BORING LOG			
PROJECT: Hazorb										BORING NO: SB-1			
CLIENT: City of Niagara Falls										SHEET: 1 of 1			
BORING CONTRACTOR: Zebra Inc.										JOB NO.: 35640.02			
GROUNDWATER:										BORING LOCATION: 4.5' SW of Pit			
CAS. SAMPLER CORE TUBE										GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE			Macro core			DATE STARTED: 05/16/00			
				DIA.			2"			DATE FINISHED: 05/16/00			
				WT.						DRILLER: C. Donnelly			
				FALL			4'			GEOLOGIST: J. Doerr			
* POCKET PENETROMETER READING										REVIEWED BY: D. Lenhardt			
SAMPLE										DESCRIPTION			
DEPTH FEET	STRATA	NO.	TYPE	BLOWS PER 6"	REC%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	REMARKS			
					ROD%					PID	Moist		
		1	MC		60%	Black/ Brown		0.0-4.0: FILL; Granular, silt to fine sand size carbon, some brick, cinder, ash		0.0	Moist		
5		2	MC		70%	Brown		4.0: CLAY; some silt, trace gravel	CL	0.0	Wet Moist		
10								End of Boring @8' BGS					
15													
20													
25													
30													
COMMENTS: Borings advanced using a track mounted Geoprobe 5400T, utilizing a 2" diameter, 4 foot long macro core. Soil samples collected from fill above the clay for composite sample.										PROJECT NO. 35640.02			
										BORING NO. SB-1			

URS Corporation										TEST BORING LOG			
PROJECT: Hazorb										BORING NO: SB-2			
CLIENT: City of Niagara Falls										SHEET: 1 of 1			
BORING CONTRACTOR: Zebra Inc.										JOB NO.: 35640 02			
GROUNDWATER:										BORING LOCATION: 4' SE of Pit			
CAS. SAMPLER CORE TUBE										GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macro core				DATE STARTED: 05/16/00			
				DIA.		2"				DATE FINISHED: 05/16/00			
				WT.						DRILLER: C. Donnelly			
				FALL		4'				GEOLOGIST: J. Doerr			
* POCKET PENETROMETER READING										REVIEWED BY: D. Lenhardt			
SAMPLE										DESCRIPTION			
DEPTH FEET	STRATA	NO.	TYPE	BLOWS PER 6"	REC%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	REMARKS			
					ROD%					PID	Moist		
		1	MC		70%	Black Mottled w/ red Brown		0.0-3.8: FILL; granular, silt to fine sand size carbon some brick, angular gravel, trace glass, metal		0.0	Moist		
								3.8: CLAY, some silt, trace gravel	CL		Wet		
5								End of Boring at 4'BGS					
10													
15													
20													
25													
30													
COMMENTS: Borings advanced using a track mounted Geoprobe 5400T, utilizing a 2" diameter, 4 foot long macro core. Soil samples collected from fill, above the clay for composite sample									PROJECT NO. 35640.02				
									BORING NO. SB-2				

URS Corporation										TEST BORING LOG			
PROJECT: Hazorb										BORING NO: SB-3			
CLIENT: City of Niagara Falls										SHEET: 1 of 1			
BORING CONTRACTOR: Zebra Inc.										JOB NO.: 35640.02			
GROUNDWATER:										BORING LOCATION: 9' NE of Pit			
CAS. SAMPLER CORE TUBE										GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		Macro core				DATE STARTED: 05/16/00			
				DIA.		2"				DATE FINISHED: 05/16/00			
				WT.						DRILLER: C. Donnelly			
				FALL		4'				GEOLOGIST: J. Doerr			
* POCKET PENETROMETER READING										REVIEWED BY: D. Lenhardt			
DEPTH FEET	SAMPLE					DESCRIPTION							
	STRATA	NO.	TYPE	BLOWS PER 6"	REC% ROD%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	REMARKS PID Moist			
		1	MC		80%	Black Mottled w/ red Brown		0.0-1.6: FILL; Silt to fine sand size carbon, some brick, gravel, cinder 1.6-2.1: FILL; Clay backfill 2.1-4.0: INDUSTRIAL FILL, as above		0.0	Moist  Wet		
5								End of Boring @ 4' BGS					
10													
15													
20													
25													
30													
COMMENTS: Borings advanced using a track mounted Geoprobe 5400T, utilizing a 2" diameter, 4 foot long macro core. Soil samples collected from fill, above the clay for composite sample.										PROJECT NO. 35640.02			
										BORING NO. SB-3			



URS Corporation										TEST BORING LOG			
PROJECT: Hazorb										BORING NO: SB-4			
CLIENT: City of Niagara Falls										SHEET: 1 of 1			
BORING CONTRACTOR: Zebra Inc.										JOB NO.: 35640.00			
GROUNDWATER:										BORING LOCATION: 7' NW of Pit			
CAS. SAMPLER CORE TUBE										GROUND ELEVATION:			
DATE TIME LEVEL TYPE TYPE										DATE STARTED: 05/16/00			
DIA. 2"										DATE FINISHED: 05/16/00			
WT. 4'										DRILLER: C. Donnelly			
* POCKET PENETROMETER READING										GEOLOGIST: J. Doerr			
										REVIEWED BY: D. Lenhardt			
SAMPLE						DESCRIPTION							
DEPTH FEET	STRATA	NO.	TYPE	BLOWS PER 6"	REC%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	REMARKS			
					ROD%					PID	Moist		
		1	MC		80%	Black, Mottled w/ red, Brown		0.0-4.0: FILL; Silt to fine sand size carbon, some brick, concrete, ash, some cinder, 4.0: CLAY, some silt, trace gravel		0.0	Moist  Wet		
5								End of Boring @ 4' BGS					
10													
15													
20													
25													
30													

COMMENTS: Borings advanced using a track mounted Geoprobe 5400T, utilizing a 2" diameter, 4 foot long macro core. Soil samples collected from fill above the clay for composite sample. Samples 1-4 composited as HZB-1

PROJECT NO. 35640.02

BORING NO. SB-4

URS Corporation										TEST BORING LOG									
PROJECT: Hazorb										BORING NO: SB-5									
CLIENT: City of Niagara Falls										SHEET: 1 of 1									
BORING CONTRACTOR: Zebra Inc.										JOB NO.: 35640.02									
GROUNDWATER:										CAS.		SAMPLER		CORE		TUBE		GROUND ELEVATION:	
DATE	TIME	LEVEL	TYPE	TYPE			Macro core			DATE STARTED: 05/16/00									
				DIA.			2"			DATE FINISHED: 05/16/00									
				WT.						DRILLER: C. Donnelly									
				FALL			4'			GEOLOGIST: J. Doerr									
										* POCKET PENETROMETER READING				REVIEWED BY: D. Lenhardt					
SAMPLE										DESCRIPTION									
DEPTH FEET	STRATA	NO.	TYPE	BLOWS PER 6"	REC%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	REMARKS									
					ROD%					PID	Moist								
		1	MC		60%	Black, Mottled w/ red, Brown		0.0-4.0: FILL; Silty sand, some asphalt brick, concrete, ash, cinder, trace metal		0.0	Moist								
								4.0: CLAY, some silt, trace gravel	CL		Wet								
5								End of Boring @ 4' BGS											
10																			
15																			
20																			
25																			
30																			
COMMENTS: Borings advanced using a track mounted Geoprobe 5400T, utilizing a 2" diameter, 4 foot long macro core. Soil samples collected from fill, above the clay for composite sample										PROJECT NO. 35640.02		BORING NO. SB-5							

URS Corporation										TEST BORING LOG			
PROJECT: Hazorb										BORING NO: SB-6			
CLIENT: City of Niagara Falls										SHEET: 1 of 1			
BORING CONTRACTOR: Zebra Inc.										JOB NO.: 35640.02			
GROUNDWATER:										BORING LOCATION: 25' SW of Debris			
										GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		CAS.	SAMPLER	CORE	TUBE	DATE STARTED: 05/16/00			
				DIA.			Macro core			DATE FINISHED: 05/16/00			
				WT.						DRILLER: C. Donnelly			
				FALL			4'			GEOLOGIST: J. Doerr			
* POCKET PENETROMETER READING										REVIEWED BY: D. Lenhardt			
SAMPLE										DESCRIPTION			
DEPTH FEET	STRATA	NO.	TYPE	BLOWS PER 6"	REC% ROD%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	REMARKS			
										PID	Moist		
		1	MC		80%	Black, Mottled w/ red, Brown		0.0-2.3: FILL; Sandy silt, some cinder, ash 2.3-2.7: FILL; Clay backfill 2.7-4.0: INDUSTRIAL FILL; as above		0.0	Moist  Wet		
5								End of Boring @ 4'BGS					
10													
15													
20													
25													
30													
COMMENTS: Borings advanced using a track mounted Geoprobe 5400T, utilizing a 2" diameter, 4 foot long macro core. Soil samples collected from fill, above the clay for composite sample.										PROJECT NO. 35640.02			
										BORING NO. SB-6			

URS Corporation										TEST BORING LOG			
PROJECT: Hazorb										BORING NO: SB-7			
CLIENT: City of Niagara Falls										SHEET: 1 of 1			
BORING CONTRACTOR: Zebra Inc.										JOB NO.: 35640.02			
GROUNDWATER:										BORING LOCATION: 29' S of Bldg Co.			
										GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		CAS.	SAMPLER	CORE	TUBE	DATE STARTED: 05/16/00			
				DIA.			Macro core			DATE FINISHED: 05/16/00			
				WT.			2"			DRILLER: C. Donnelly			
				FALL			4'			GEOLOGIST: J. Doerr			
* POCKET PENETROMETER READING										REVIEWED BY: D. Lenhardt			
DEPTH FEET	SAMPLE					DESCRIPTION							
	STRATA	NO.	TYPE	BLOWS PER 6"	REC%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	REMARKS			
					ROD%					PID	Moist		
		1	MC		60%	Black, Mottled w/ red, Brown		0.0-4.0: FILL; Cinder and ash, some asphalt, brick, firebrick, concrete		0.0	Moist  Wet		
5								End of Boring @ 4' BGS					
10													
15													
20													
25													
30													
COMMENTS: Borings advanced using a track mounted Geoprobe 5400T, utilizing a 2" diameter, 4 foot long macro core. Soil samples collected from fill, above the clay for composite sample.										PROJECT NO. 35640.02			
										BORING NO. SB-7			

URS Corporation										TEST BORING LOG			
PROJECT: Hazorb										BORING NO: SB-8			
CLIENT: City of Niagara Falls										SHEET: 1 of 1			
BORING CONTRACTOR: Zebra Inc.										JOB NO.: 35640.00			
GROUNDWATER:										BORING LOCATION: 41' N of Bldg Co.			
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:				
DATE	TIME	LEVEL	TYPE	TYPE	Macro core					DATE STARTED: 05/16/00			
				DIA.	2"					DATE FINISHED: 05/16/00			
				WT.						DRILLER: C. Donnelly			
				FALL	4'					GEOLOGIST: J. Doerr			
* POCKET PENETROMETER READING										REVIEWED BY: D. Lenhardt			
DEPTH FEET	SAMPLE					DESCRIPTION					REMARKS		
	STRATA	NO.	TYPE	BLOWS PER 6"	REC% ROD%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	REMARKS			
										PID	Moist		
		1	MC		90%	Black, Mottled w/ red		0.0-3.0: FILL; Cinder and ash, some asphalt, brick, firebrick, concrete, trace metal		0.0	Moist		
						Brown		3.0-4.0: CLAY, some silt, trace gravel	CL		Wet		
5								End of Boring @ 4' BGS					
10													
15													
20													
25													
30													
COMMENTS: Borings advanced using a track mounted Geoprobe 5400T, utilizing a 2" diameter, 4 foot long macro core. Soil samples collected from fill, above the clay for composite sample.									PROJECT NO. 35640.02				
									BORING NO. SB-8				

URS Corporation										TEST BORING LOG			
PROJECT: Hazorb										BORING NO: SB-9			
CLIENT: City of Niagara Falls										SHEET: 1 of 1			
BORING CONTRACTOR: Zebra Inc.										JOB NO.: 35640.02			
GROUNDWATER:										BORING LOCATION: 36' N of Pit			
CAS. SAMPLER CORE TUBE										GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE	Macro core					DATE STARTED: 05/16/00			
				DIA.	2"					DATE FINISHED: 05/16/00			
				WT.						DRILLER: C. Donnelly			
				FALL	4'					GEOLOGIST: J. Doerr			
* POCKET PENETROMETER READING										REVIEWED BY: D. Lenhardt			
DEPTH FEET	SAMPLE					DESCRIPTION					REMARKS		
	STRATA	NO.	TYPE	BLOWS PER 6"	REC% ROD%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	PID	Moist		
		1	MC		90%	Black,		0.0-0.5: CONCRETE		0.0	Moist		
				Mottled w/ red		0.5-3.6: FILL; Granular carbon, some brick, concrete, cinder		Wet					
				Brown		3.6-4.0: CLAY, some silt, trace gravel		CL					
5								End of Boring @ 4' BGS					
10													
15													
20													
25													
30													
COMMENTS: Borings advanced using a track mounted Geoprobe 5400T, utilizing a 2" diameter, 4 foot long macro core. Soil samples collected from fill, above the clay for composite sample.										PROJECT NO. 35640.02			
										BORING NO. SB-9			

URS Corporation										TEST BORING LOG			
PROJECT: Hazorb										BORING NO: SB-10			
CLIENT: City of Niagara Falls										SHEET: 1 of 1			
BORING CONTRACTOR: Zebra Inc.										JOB NO.: 35640.02			
GROUNDWATER:										BORING LOCATION: 7' W of Debris			
										GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE	CAS.	SAMPLER	CORE	TUBE		DATE STARTED: 05/16/00			
				DIA.		2"				DATE FINISHED: 05/16/00			
				WT.						DRILLER: C. Donnelly			
				FALL		4'				GEOLOGIST: J. Doerr			
* POCKET PENETROMETER READING										REVIEWED BY: D. Lenhardt			
DEPTH FEET	SAMPLE					DESCRIPTION					REMARKS		
	STRATA	NO.	TYPE	BLOWS PER 6"	REC% ROD%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	REMARKS			
										PID	Moist		
		1	MC		90%	Black, Mottled w/ red		0.0-3.0: FILL; Granular carbon, some brick, firebrick, concrete, cinder, trace glass, metal		0.0	Moist		
						Brown		3.0: CLAY, some silt, trace gravel	CL		Wet		
5								End of Boring @ 4' BGS					
10													
15													
20													
25													
30													
COMMENTS: Borings advanced using a track mounted Geoprobe 5400T, utilizing a 2" diameter, 4 foot long macro core. Soil samples collected from fill, above the clay for composite sample.										PROJECT NO. 35640.02			
										BORING NO. SB-10			

URS Corporation										TEST BORING LOG					
PROJECT: Hazorb										BORING NO: SB-11					
CLIENT: City of Niagara Falls										SHEET: 1 of 1					
BORING CONTRACTOR: Zebra Inc.										JOB NO.: 35640.02					
GROUNDWATER:										CAS.	SAMPLER	CORE	TUBE	BORING LOCATION: 46' W of Concrete	
DATE	TIME	LEVEL	TYPE	TYPE			Macro core			GROUND ELEVATION:					
				DIA.			2"			DATE STARTED: 05/16/00					
				WT.						DATE FINISHED: 05/16/00					
				FALL			4'			DRILLER: C. Donnelly					
* POCKET PENETROMETER READING										GEOLOGIST: J. Doerr					
										REVIEWED BY: D. Lenhardt					
DEPTH FEET	SAMPLE					DESCRIPTION					REMARKS				
	STRATA	NO.	TYPE	BLOWS PER 6"	REC% ROD%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	PID	Moist				
		1	MC		90%	Black, Mottled w/ red, Brown		0.0-5.5: FILL; silty carbon and cinder and ash, some firebrick, brick, concrete, trace gravel		0.0	Moist				
5		2	MC		100%			End of Boring @ 4' BGS 5.5: DOLOSTONE bedrock						Wet	
								End of Boring @ 5.5' BGS							
10															
15															
20															
25															
30															
COMMENTS: Borings advanced using a track mounted Geoprobe 5400T, utilizing a 2" diameter, 4 foot long macro core. Soil samples collected from fill for composite sample										PROJECT NO. 35640.02					
										BORING NO. SB-11					



URS Corporation										TEST BORING LOG			
PROJECT: Hazorb										BORING NO: SB-12			
CLIENT: City of Niagara Falls										SHEET: 1 of 1			
BORING CONTRACTOR: Zebra Inc.										JOB NO.: 35640.02			
GROUNDWATER:										BORING LOCATION: 29' E of Foundation			
										GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		CAS.	SAMPLER	CORE	TUBE	DATE STARTED: 05/16/00			
				DIA.			2"			DATE FINISHED: 05/16/00			
				WT.						DRILLER: C. Donnelly			
				FALL			4'			GEOLOGIST: J. Doerr			
* POCKET PENETROMETER READING										REVIEWED BY: D. Lenhardt			
DEPTH FEET	SAMPLE					DESCRIPTION					REMARKS		
	STRATA	NO.	TYPE	BLOWS PER 6"	REC% ROD%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	REMARKS			
										PID	Moist		
		1	MC		80%	Black, Mottled w/ red, Brown		0.0-0.5: INDUSTRIAL FILL			Moist		
					0.5-2.1: FILL; clay								
					2.1-5.0: FILL; cinder, some brick, concrete, fiebrick, carbon granules,								
5		2	MC		20%						Wet		
								End Of Boring @ 5' BGS					
								Refusal on Firebrick					
								* PID not functioning					
10													
15													
20													
25													
30													
COMMENTS: Borings advanced using a track mounted Geoprobe 5400T, utilizing a 2" diameter, 4 foot long macro core. Soil samples collected from fill for composite sample.										PROJECT NO. 35640.02			
										BORING NO. SB-12			

URS Corporation										TEST BORING LOG			
PROJECT: Hazorb										BORING NO: SB-13			
CLIENT: City of Niagara Falls										SHEET: 1 of 1			
BORING CONTRACTOR: Zebra Inc.										JOB NO.: 35640.02			
GROUNDWATER:										BORING LOCATION: 18' w of Debris			
						CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE			Macro core			DATE STARTED: 05/16/00			
				DIA.			2"			DATE FINISHED: 05/16/00			
				WT.						DRILLER: C. Donnelly			
				FALL			4'			GEOLOGIST: J. Doerr			
* POCKET PENETROMETER READING										REVIEWED BY: D. Lenhardt			
DEPTH FEET	SAMPLE					DESCRIPTION					REMARKS		
	STRATA	NO.	TYPE	BLOWS PER 6"	REC% ROD%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	PID	Moist		
		1	MC		95%	Black, Mottled w/ red, Brown		0.0-2.8: FILL; Carbon and cinder, some brick, firebrick, concrete 2.8-3.6: FILL; clay backfill 3.6-4.0: INDUSTRIAL FILL, as above			Moist		
5								End of Boring @ 4' BGS					
								* PID not functioning					
10													
15													
20													
25													
30													
COMMENTS: Borings advanced using a track mounted Geoprobe 5400T, utilizing a 2" diameter, 4 foot long macro core. Soil samples collected from fill for composite sample.										PROJECT NO. 35640.02			
										BORING NO. SB-13			

URS Corporation										TEST BORING LOG			
PROJECT: Hazorb										BORING NO: SB-14			
CLIENT: City of Niagara Falls										SHEET: 1 of 1			
BORING CONTRACTOR: Zebra Inc.										JOB NO.: 35640.02			
GROUNDWATER:										BORING LOCATION: 10' N of Debris			
										GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE		CAS.	SAMPLER	CORE	TUBE	DATE STARTED: 05/16/00			
				DIA.			Macro core			DATE FINISHED: 05/16/00			
				WT.			2"			DRILLER: C. Donnelly			
				FALL			4'			GEOLOGIST: J. Doerr			
* POCKET PENETROMETER READING										REVIEWED BY: D. Lenhardt			
SAMPLE										DESCRIPTION			
DEPTH FEET	STRATA	NO.	TYPE	BLOWS PER 6"	REC% ROD%	COLOR	CONSIST HARD	MATERIAL		USCS	REMARKS		
								DESCRIPTION			PID	Moist	
		1	MC		100%	Black, Mottled w/ red, Brown		0.0--0.7: INDUSTRIAL FILL 0.7-1.4: FILL; clay backfill 1.4-4.0: FILL; carbon and cinder, some brick, firebrick, concrete				Moist  Wet	
5								End of Boring @ 4' BGS					
								* PID not functioning					
10													
15													
20													
25													
30													
COMMENTS: Borings advanced using a track mounted Geoprobe 5400T, utilizing a 2" diameter, 4 foot long macro core. Soil samples collected from fill, above the clay for composite sample.										PROJECT NO. 35640.02			
										BORING NO. SB-14			

URS Corporation										TEST BORING LOG			
PROJECT: Hazorb										BORING NO: SB-15			
CLIENT: City of Niagara Falls										SHEET: 1 of 1			
BORING CONTRACTOR: Zebra Inc.										JOB NO.: 35640.02			
GROUNDWATER:										BORING LOCATION: 96' W of Dock			
										GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE	CAS.	SAMPLER	CORE	TUBE		DATE STARTED: 05/16/00			
				DIA.		2"				DATE FINISHED: 05/16/00			
				WT.						DRILLER: C. Donnelly			
				FALL		4'				GEOLOGIST: J. Doerr			
* POCKET PENETROMETER READING										REVIEWED BY: D. Lenhardt			
DEPTH FEET	SAMPLE					DESCRIPTION					REMARKS		
	STRATA	NO.	TYPE	BLOWS PER 6"	REC% ROD%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	PID	Moist		
		1	MC		75%	Black, Mottled w/ red, Brown		0.0--0.7: FILL; Carbon, and silt 0.7-3.0: FILL; Carbon and cinder, some brick, gravel 3.0-4.0: CLAY, some silt, trace gravel	CL		Moist  Wet		
5								End of Boring @ 4' BGS					
								* PID not functioning					
								0.0-0.7: Strong Creosote Odor					
10													
15													
20													
25													
30													
COMMENTS: Borings advanced using a track mounted Geoprobe 5400T, utilizing a 2" diameter, 4 foot long macro core. Soil samples collected from fill, above the clay for composite sample. Collected VOC sample 0.0'-0.7'.										PROJECT NO. 35640.02			
										BORING NO. SB-15			

URS Corporation										TEST BORING LOG			
PROJECT: Hazorb										BORING NO: SB-16			
CLIENT: City of Niagara Falls										SHEET: 1 of 1			
BORING CONTRACTOR: Zebra Inc.										JOB NO.: 35640.02			
GROUNDWATER:										BORING LOCATION: 57' W of Dock			
CAS. SAMPLER CORE TUBE										GROUND ELEVATION:			
DATE	TIME	LEVEL	TYPE	TYPE	Macro core					DATE STARTED: 05/16/00			
				DIA.	2"					DATE FINISHED: 05/16/00			
				WT.						DRILLER: C. Donnelly			
				FALL	4'					GEOLOGIST: J. Doerr			
* POCKET PENETROMETER READING										REVIEWED BY: D. Lenhardt			
DEPTH FEET	SAMPLE					DESCRIPTION					REMARKS		
	STRATA	NO.	TYPE	BLOWS PER 6"	REC% ROD%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	REMARKS			
										PID	Moist		
		1	MC		75%	Black, Mottled w/ red, Brown		0.0--0.5: FILL; Carbon, and silt 0.5-3.0: FILL; Carbon and cinder, some brick, gravel 3.0: CLAY, some silt, trace gravel			Moist Wet		
5								End of Boring @ 4' BGS					
								* PID not functioning					
10													
15													
20													
25													
30													
COMMENTS: Borings advanced using a track mounted Geoprobe 5400T, utilizing a 2" diameter, 4 foot long macro core. Soil samples collected from fill, above the clay for composite sample.										PROJECT NO. 35640.02			
										BORING NO. SB-16			

URS Corporation										TEST BORING LOG				
PROJECT: Hazorb										BORING NO: SB-17				
CLIENT: City of Niagara Falls										SHEET: 1 of 1				
BORING CONTRACTOR: Zebra Inc.										JOB NO.: 35640.02				
GROUNDWATER:										CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:
DATE	TIME	LEVEL	TYPE	TYPE			Macro core					DATE STARTED:	05/16/00	
				DIA.			2"					DATE FINISHED:	05/16/00	
				WT.								DRILLER:	C. Donnelly	
				FALL			4'					GEOLOGIST:	J. Doerr	
* POCKET PENETROMETER READING										REVIEWED BY: D. Lenhardt				
DEPTH FEET	SAMPLE					DESCRIPTION								
	STRATA	NO.	TYPE	BLOWS PER 6"	REC% ROD%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	REMARKS PID Moist				
		1	MC		90%	Black, Mottled w/ red, Brown		0.0-0.6: FILL; Carbon, and silt 0.6-1.3: FILL; Silt cinder, and gravel 1.3-4.0: FILL; Carbon and silt, some gravel, metal, trace wood			Moist Wet			
5								End of Boring @ 4' BGS						
								* PID not functioning						
10														
15														
20														
25														
30														
COMMENTS: Borings advanced using a track mounted Geoprobe 5400T, utilizing a 2" diameter, 4 foot long macro core. Soil samples collected from fill for composite sample										PROJECT NO. 35640.02		BORING NO. SB-17		

URS Corporation										TEST BORING LOG			
PROJECT: Hazorb										BORING NO: SB-18			
CLIENT: City of Niagara Falls										SHEET: 1 of 1			
BORING CONTRACTOR: Zebra Inc.										JOB NO.: 35640.02			
GROUNDWATER:										BORING LOCATION: 38' S of Asphalt			
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:				
DATE	TIME	LEVEL	TYPE	TYPE	Macro core					DATE STARTED: 05/16/00			
5/16/00	1247	0.8' BGS	Static	DIA.	2"					DATE FINISHED: 05/16/00			
				WT.						DRILLER: C. Donnelly			
				FALL	4'					GEOLOGIST: J. Doerr			
* POCKET PENETROMETER READING										REVIEWED BY: D. Lenhardt			
DEPTH FEET	SAMPLE					DESCRIPTION					REMARKS		
	STRATA	NO.	TYPE	BLOWS	REC%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	PID	Moist		
				PER 6"	ROD%								
		1	MC		90%	Black, Mottled w/ red, Brown		0.0-1.0: FILL; Silty carbon granules 1.0-7.0: FILL; Carbon and cinders, some gravel, brick, concrete, trace wood, metal, glass, acrid odor.			Moist Wet		
5		2	MC		100%	Brown		7.0-8.0: CLAY; some silt, trace gravel	CL				
10								End Boring @ 8' BGS					
								* PID not functioning					
15													
20													
25													
30													
COMMENTS: Borings advanced using a track mounted Geoprobe 5400T, utilizing a 2" diameter, 4 foot long macro core. Soil samples collected from fill, above the clay for composite sample. Collected soil (1'-2') and groundwater for VOCs										PROJECT NO. 35640.02			
										BORING NO. SB-18			

URS Corporation										TEST BORING LOG			
PROJECT: Hazorb										BORING NO: SB-19			
CLIENT: City of Niagara Falls										SHEET: 1 of 1			
BORING CONTRACTOR: Zebra Inc.										JOB NO.: 35640.02			
GROUNDWATER:										BORING LOCATION: 212' S of Asphalt			
					CAS.	SAMPLER	CORE	TUBE	GROUND ELEVATION:				
DATE	TIME	LEVEL	TYPE	TYPE	Macro core					DATE STARTED: 05/16/00			
5/16	1247	0.8' BGS	Static	DIA.	2"					DATE FINISHED: 05/16/00			
				WT.						DRILLER: C. Donnelly			
				FALL	4'					GEOLOGIST: J. Doerr			
* POCKET PENETROMETER READING										REVIEWED BY: D. Lenhardt			
DEPTH FEET	SAMPLE						DESCRIPTION						
	STRATA	NO.	TYPE	BLOWS PER 6"	REC%		COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	REMARKS		
					ROD%						PID	Moist	
		1	MC		75%		Black, Mottled w/ red, Brown		0.0-0.5: FILL; Silty carbon granules 0.5-3.0: FILL; Carbon and cinders, 3.0-6.5: FILL Metal debris, some cinder, ash			Moist Wet	
5		2	MC		100%		Brown		6.5-8.0: CLAY; some silt, trace gravel	CL			
10									End Boring @ 8'BGS				
									* PID not functioning				
15													
20													
25													
30													
COMMENTS: Borings advanced using a track mounted Geoprobe 5400T, utilizing a 2" diameter, 4 foot long macro core. Soil samples collected from fill, above the clay for composite sample.										PROJECT NO. 35640.02			
										BORING NO. SB-19			



URS Corporation										TEST BORING LOG									
PROJECT: Hazorb										BORING NO: SB-20									
CLIENT: City of Niagara Falls										SHEET: 1 of 1									
BORING CONTRACTOR: Zebra Inc.										JOB NO.: 35640.02									
GROUNDWATER:										CAS.		SAMPLER		CORE		TUBE		BORING LOCATION: 14' SE of Debris	
DATE										TIME		LEVEL		TYPE		TYPE		GROUND ELEVATION:	
5/16										1247		0.8' BGS		Static		DIA.		DATE STARTED: 05/16/00	
														WT.		2"		DATE FINISHED: 05/16/00	
														FALL		4'		DRILLER: C. Donnelly	
																		GEOLOGIST: J. Doerr	
																		REVIEWED BY: D. Lenhardt	
																		* POCKET PENETROMETER READING	
SAMPLE										DESCRIPTION									
DEPTH FEET	STRATA	NO.	TYPE	BLOWS PER 6"		REC%	COLOR	CONSIST HARD	MATERIAL DESCRIPTION	USCS	REMARKS								
						ROD%					PID	Moist							
		1	MC			85%	Black, Mottled w/ red		0.0-0.5: FILL; Silty carbon granules			Moist							
									0.5-3.5: FILL; Carbon and cinders, Some gravel, brick			Wet							
							Brown		3.5-4.0: CLAY; some silt, trace gravel	CL									
5									End of Boring @ 4' BGS										
									*PID not functioning										
10																			
15																			
20																			
25																			
30																			
COMMENTS: Borings advanced using a track mounted Geoprobe 5400T, utilizing a 2" diameter, 4 foot long macro core. Soil samples collected from fill, above the clay for composite sample										PROJECT NO. 35640.02									
										BORING NO. SB-20									



## APPENDIX C

### ANALYTICAL DATA

## **Appendix C - Analytical Data**

The laboratory Analytical Data has been summarized in the following tables, and is discussed in Section 4.0 of this report. The raw laboratory data is available at the offices of URS.

**TABLE 1**  
**ANALYTICAL SOIL SAMPLE RESULTS**  
**HAZORB**

Location ID		HZ-01	HZ-02	HZ-03	HZ-04	HZ-05
Sample ID		HZ-01	HZ-02	HZ-03	HZ-04	HZ-05
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft.)		0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0
Date Sampled		05/16/00	05/16/00	05/16/00	05/16/00	05/16/00
Parameter	Units					
Volatile Organic Analytes						
Chloromethane	UG/KG	NA	NA	NA	NA	NA
Vinyl chloride	UG/KG	NA	NA	NA	NA	NA
Chloroethane	UG/KG	NA	NA	NA	NA	NA
Bromomethane	UG/KG	NA	NA	NA	NA	NA
1,1-Dichloroethene	UG/KG	NA	NA	NA	NA	NA
Acetone	UG/KG	NA	NA	NA	NA	NA
Carbon disulfide	UG/KG	NA	NA	NA	NA	NA
Methylene chloride	UG/KG	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	UG/KG	NA	NA	NA	NA	NA
1,1-Dichloroethane	UG/KG	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	UG/KG	NA	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	UG/KG	NA	NA	NA	NA	NA
Chloroform	UG/KG	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	UG/KG	NA	NA	NA	NA	NA
Carbon tetrachloride	UG/KG	NA	NA	NA	NA	NA
Benzene	UG/KG	NA	NA	NA	NA	NA
1,2-Dichloroethane	UG/KG	NA	NA	NA	NA	NA
Trichloroethane	UG/KG	NA	NA	NA	NA	NA
1,2-Dichloropropane	UG/KG	NA	NA	NA	NA	NA
Bromodichloromethane	UG/KG	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	UG/KG	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	UG/KG	NA	NA	NA	NA	NA
Toluene	UG/KG	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	UG/KG	NA	NA	NA	NA	NA

Flags assigned during chemistry validation are shown.

1. Background levels for lead vary widely. Typical metropolitan or suburban levels range between 200 -500 ppm (USEPA Interim Lead Guidance, 1994).

Detection Limits shown are PQL

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**TABLE 1**  
**ANALYTICAL SOIL SAMPLE RESULTS**  
**HAZORB**

Location ID		HZ-01	HZ-02	HZ-03	HZ-04	HZ-05
Sample ID		HZ-01	HZ-02	HZ-03	HZ-04	HZ-05
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft.)		0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0
Date Sampled		05/16/00	05/16/00	05/16/00	05/16/00	05/16/00
Parameter	Units					
Semivolatile Organic Analytes						
Benzo(a)pyrene	UG/KG	650	730	2600	3700	260 U
Indeno(1,2,3-cd)pyrene	UG/KG	260 J	350	1500	2300	260 U
Dibenz(a,h)anthracene	UG/KG	280 U	290 U	330	310 U	260 U
Benzo(g,h,i)perylene	UG/KG	250 J	410	1700	2300	260 U
Pesticides						
alpha-BHC	UG/KG	60 U	60 U	60 U	60 U	50 U
beta-BHC	UG/KG	60 U	60 U	60 U	60 U	50 U
gamma-BHC (Lindane)	UG/KG	60 U	60 U	60 U	60 U	50 U
delta-BHC	UG/KG	60 U	60 U	60 U	60 U	50 U
Heptachlor	UG/KG	60 U	60 U	60 U	60 U	50 U
Aldrin	UG/KG	60 U	60 U	60 U	60 U	50 U
Heptachlor epoxide	UG/KG	60 U	60 U	60 U	60 U	50 U
alpha-Chlordane	UG/KG	60 U	60 U	60 U	60 U	50 U
Endosulfan I	UG/KG	60 U	60 U	60 U	60 U	50 U
gamma-Chlordane	UG/KG	60 U	60 U	60 U	60 U	50 U
4,4'-DDE	UG/KG	60 U	60 U	60 U	60 U	50 U
Dieldrin	UG/KG	60 U	60 U	60 U	60 U	50 U
Endrin	UG/KG	60 U	60 U	60 U	60 U	50 U
Endosulfan II	UG/KG	60 U	60 U	60 U	60 U	50 U
4,4'-DDD	UG/KG	60 U	60 U	60 U	60 U	50 U
Endrin ketone	UG/KG	60 U	60 U	60 U	60 U	50 U
Endrin aldehyde	UG/KG	60 U	60 U	60 U	60 U	50 U
Endosulfan sulfate	UG/KG	60 U	60 U	60 U	60 U	50 U
4,4'-DDT	UG/KG	60 U	60 U	60 U	60 U	50 U

Flags assigned during chemistry validation are shown.

\* - Background levels for lead vary widely. Typical metropolitan or suburban levels range between 200-500 ppm (USEPA Interim Lead Guidance, 1994).

Detection Limits shown are PQL.

[illegible]

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**TABLE 1**  
**ANALYTICAL SOIL SAMPLE RESULTS**  
**HAZORB**

Location ID		HZ-06	HZ-08	HZB-01	HZB-02	HZB-03
Sample ID		HZ-06	HZ-08	HZB-01	HZB-02	HZB-03
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft.)		0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0
Date Sampled		05/16/00	05/16/00	05/16/00	05/16/00	05/16/00
Parameter	Units					
<b>Volatile Organic Analytes</b>						
1,1,2-Trichloroethane	UG/KG	NA	NA	6 U	7 U	6 U
Tetrachloroethane	UG/KG	NA	NA	6 U	7 U	6 U
2-Hexanone	UG/KG	NA	NA	12 U	13 U	11 U
Dibromochloromethane	UG/KG	NA	NA	6 U	7 U	6 U
Chlorobenzene	UG/KG	NA	NA	6 U	7 U	6 U
Ethylbenzene	UG/KG	NA	NA	6 U	7 U	6 U
m,p-Xylene	UG/KG	NA	NA	6 U	7 U	6 U
o-Xylene	UG/KG	NA	NA	6 U	7 U	6 U
Styrene	UG/KG	NA	NA	6 U	7 U	6 U
Bromoform	UG/KG	NA	NA	6 U	7 U	6 U
1,1,2,2-Tetrachloroethane	UG/KG	NA	NA	6 U	7 U	6 U
<b>Semivolatile Organic Analytes</b>						
bis(2-Chloroethylether)	UG/KG	11000 U	16000 U	310 U	1700 U	5800 U
Phenol	UG/KG	37000	16000 U	310 U	1700 U	5800 U
2-Chlorophenol	UG/KG	11000 U	16000 U	310 U	1700 U	5800 U
1,3-Dichlorobenzene	UG/KG	11000 U	16000 U	310 U	1700 U	5800 U
1,4-Dichlorobenzene	UG/KG	11000 U	16000 U	310 U	1700 U	5800 U
1,2-Dichlorobenzene	UG/KG	11000 U	16000 U	310 U	1700 U	5800 U
bis(2-Chloroisopropylether)	UG/KG	11000 U	16000 U	310 U	1700 U	5800 U
2-Methyphenol	UG/KG	11000 U	16000 U	310 U	1700 U	5800 U
Hexachloroethane	UG/KG	11000 U	16000 U	310 U	1700 U	5800 U
N-Nitrosodi-N-propylamine	UG/KG	11000 U	16000 U	310 U	1700 U	5800 U
3,4-Methyphenol	UG/KG	11000 U	16000 U	310 U	1700 U	5800 U
Nitrobenzene	UG/KG	11000 U	16000 U	310 U	1700 U	5800 U

Flags assigned during chemistry validation are shown.

1. Background levels for lead vary widely. Typical metropolitan or suburban levels range between 200-500 ppm (USEPA Interim Lead Guidance, 1994).

Detection Limits shown are PQL

[illegible]

**TABLE 1**  
**ANALYTICAL SOIL SAMPLE RESULTS**  
**HAZORB**

Location ID		HZ-06	HZ-08	HZB-01	HZB-02	HZB-03
Sample ID		HZ-06	HZ-08	HZB-01	HZB-02	HZB-03
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft.)		0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0
Date Sampled		05/16/00	05/16/00	05/16/00	05/16/00	05/16/00
Parameter	Units					
Semivolatile Organic Analytes						
4-Nitrophenol	UG/KG	42000 U	66000 U	1300 U	67000 U	23000 U
Diethylphthalate	UG/KG	11000 U	16000 U	310 U	1700 U	5800 U
Fluorene	UG/KG	5000 J	19000	160 J	7000 J	2100 J
4-Chlorophenylphenylether	UG/KG	11000 U	16000 U	310 U	1700 U	5800 U
4-Nitroaniline	UG/KG	42000 U	66000 U	1300 U	67000 U	23000 U
4,6-Dinitro-2-methylphenol	UG/KG	42000 U	66000 U	1300 U	67000 U	23000 U
N-Nitrosodiphenylamine	UG/KG	11000 U	16000 U	310 U	1700 U	5800 U
4-Bromophenylphenylether	UG/KG	11000 U	16000 U	310 U	1700 U	5800 U
Hexachlorobenzene	UG/KG	11000 U	16000 U	310 U	1700 U	5800 U
Pentachlorophenol	UG/KG	42000 U	66000 U	1300 U	67000 U	23000 U
Phenanthrene	UG/KG	37000	130000	1200	61000	21000
Anthracene	UG/KG	9500 J	35000	270 J	19000	5200 J
Carbazole	UG/KG	9000 J	20000	310 U	1700 U	5800 U
di-n-Butylphthalate	UG/KG	11000 U	16000 U	310 U	1700 U	5800 U
Fluoranthene	UG/KG	37000	140000	1900	68000	40000
Pyrene	UG/KG	110000	130000	2300	36000	38000
Butylbenzylphthalate	UG/KG	11000 U	16000 U	310 U	1700 U	5800 U
Benzo(a)anthracene	UG/KG	93000	63000	1200	53000	22000
3,3'-Dichlorobenzidine	UG/KG	21000 U	33000 U	630 U	33000 U	12000 U
Chrysene	UG/KG	120000	62000	1500	53000	34000
bis(2-Ethylhexyl)phthalate	UG/KG	11000 U	16000 U	310 U	1700 U	5800 U
di-n-Octylphthalate	UG/KG	11000 U	16000 U	310 U	1700 U	5800 U
Benzo(b)fluoranthene	UG/KG	220000	77000	2900	73000	34000
Benzo(k)fluoranthene	UG/KG	92000	40000	1500	24000	11000

Flags assigned during chemistry validation are shown.

\* - Background levels for lead vary widely. Typical metropolitan or suburban levels range between 200 -500 ppm (USEPA Interim Lead Guidance, 1994).

Detection Limits shown are PQL

**TABLE 1**  
**ANALYTICAL SOIL SAMPLE RESULTS**  
**HAZORB**

Location ID		HZ-06	HZ-08	HZB-01	HZB-02	HZB-03
Sample ID		HZ-06	HZ-08	HZB-01	HZB-02	HZB-03
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft.)		0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0
Date Sampled		05/16/00	05/16/00	05/16/00	05/16/00	05/16/00
Parameter	Units					
Semivolatile Organic Analytes						
Benzo(a)pyrene	UG/KG	170000	55000	1100	53000	20000
Indeno(1,2,3-cd)pyrene	UG/KG	97000	30000	1300	42000	15000
Dibenz(a,h)anthracene	UG/KG	11000 U	8700 J	280 J	1700 U	5800 U
Benzo(g,h,i)perylene	UG/KG	99000	33000	1300	39000	17000
Pesticides						
alpha-BHC	UG/KG	500 U	160 U	60 U	70 U	60 U
beta-BHC	UG/KG	500 U	160 U	60 U	70 U	60 U
gamma-BHC (Lindane)	UG/KG	500 U	160 U	60 U	70 U	60 U
delta-BHC	UG/KG	500 U	160 U	60 U	70 U	60 U
Heptachlor	UG/KG	500 U	160 U	60 U	70 U	60 U
Aldrin	UG/KG	500 U	160 U	60 U	70 U	60 U
Heptachlor epoxide	UG/KG	500 U	160 U	60 U	70 U	60 U
alpha-Chlordane	UG/KG	500 U	160 U	60 U	70 U	60 U
Endosulfan I	UG/KG	500 U	160 U	60 U	70 U	60 U
gamma-Chlordane	UG/KG	500 U	160 U	60 U	70 U	60 U
4,4'-DDE	UG/KG	500 U	160 U	60 U	70 U	60 U
Dieldrin	UG/KG	500 U	160 U	60 U	70 U	60 U
Endrin	UG/KG	500 U	160 U	60 U	70 U	60 U
Endosulfan II	UG/KG	500 U	160 U	60 U	70 U	60 U
4,4'-DDD	UG/KG	500 U	160 U	60 U	70 U	60 U
Endrin ketone	UG/KG	500 U	160 U	60 U	70 U	60 U
Endrin aldehyde	UG/KG	500 U	160 U	60 U	70 U	60 U
Endosulfan sulfate	UG/KG	500 U	160 U	60 U	70 U	60 U
4,4'-DDT	UG/KG	500 U	160 U	60 U	70 U	60 U

Flags assigned during chemistry validation are shown.

\* Background levels for lead vary widely. Typical metropolitan or suburban levels range between 200 -500 ppm (USEPA Interim Lead Guidance, 1994)

Detection Limits shown are PQL

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**TABLE 1**  
**ANALYTICAL SOIL SAMPLE RESULTS**  
**HAZORB**

Location ID		HZ-06	HZ-08	HZB-01	HZB-02	HZB-03
Sample ID		HZ-06	HZ-08	HZB-01	HZB-02	HZB-03
Matrix		Soil	Soil	Soil	Soil	Soil
Depth Interval (ft.)		0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0
Date Sampled		05/16/00	05/16/00	05/16/00	05/16/00	05/16/00
Parameter	Units					
<b>Pesticides</b>						
Methoxychlor	UG/KG	500 U	160 U	60 U	70 U	60 U
Toxaphene	UG/KG	5000 U	1600 U	600 U	700 U	600 U
<b>PCBs</b>						
Arochlor 1016	UG/KG	1100 U	320 U	120 U	130 U	120 U
Arochlor 1221	UG/KG	2200 U	640 U	240 U	260 U	240 U
Arochlor 1232	UG/KG	1100 U	320 U	120 U	130 U	120 U
Arochlor 1242	UG/KG	1100 U	320 U	120 U	130 U	120 U
Arochlor 1248	UG/KG	1100 U	320 U	120 U	130 U	120 U
Arochlor 1254	UG/KG	1100 U	320 U	120 U	130 U	120 U
Arochlor 1260	UG/KG	1100 U	320 U	120 U	130 U	120 U
<b>Metals</b>						
Arsenic	MG/KG	11.8 U	18.8 U	14.7 U	15.3 U	13.9 U
Barium	MG/KG	16.7	120	35.7	33.2	106
Calcium	MG/KG	0.4930 U	1.52	0.6120 U	1.41	0.5770 U
Chromium	MG/KG	24.7	56.8	28.3	44.7	24.4
Lead	MG/KG	18	478	68.6	128	40.4
Mercury	MG/KG	0.0110 U	0.02	0.025	2.7	0.028
Selenium	MG/KG	6.91 U	11.0 U	8.57 U	8.92 U	160 U
Silver	MG/KG	0.987 U	1.57 U	1.22 U	1.27 U	1.15 U

Flags assigned during chemistry validation are shown.

\* Background levels for lead vary widely. Typical metropolitan or suburban levels range between 200 -500 ppm (USEPA Interim Lead Guidance, 1994)

Detection Limits shown are PQL



**TABLE 1**  
**ANALYTICAL SOIL SAMPLE RESULTS**  
**HAZORB**

Location ID		HZB-15	HZB-18
Sample ID		HZB-15	HZB-18
Matrix		Soil	Soil
Depth Interval (ft.)		0.0-4.0	0.0-4.0
Date Sampled		05/16/00	05/16/00
Parameter	Units		
Volatile Organic Analytes			
Chloromethane	UG/KG	810 U	7 U
Vinyl chloride	UG/KG	320 U	3 U
Chloroethane	UG/KG	810 U	7 U
Bromomethane	UG/KG	810 U	7 U
1,1-Dichloroethene	UG/KG	810 U	7 U
Acetone	UG/KG	4000 U	36 U
Carbon disulfide	UG/KG	810 U	7 U
Methylene chloride	UG/KG	810 U	7 U
trans-1,2-Dichloroethene	UG/KG	810 U	7 U
1,1-Dichloroethane	UG/KG	810 U	7 U
cis-1,2-Dichloroethene	UG/KG	810 U	7 U
Methyl ethyl ketone (2-Butanone)	UG/KG	4000 U	36 U
Chloroform	UG/KG	810 U	7 U
1,1,1-Trichloroethane	UG/KG	810 U	7 U
Carbon tetrachloride	UG/KG	810 U	7 U
Benzene	UG/KG	110 U	1 U
1,2-Dichloroethane	UG/KG	810 U	7 U
Trichloroethane	UG/KG	310 U	7 U
1,2-Dichloropropane	UG/KG	810 U	7 U
Bromodichloromethane	UG/KG	810 U	7 U
cis-1,3-Dichloropropene	UG/KG	310 U	7 U
4-Methyl-2-pentanone	UG/KG	1600 U	15 U
Toluene	UG/KG	810 U	7 U
trans-1,3-Dichloropropene	UG/KG	810 U	7 U

Flags assigned during chemistry validation are shown.

\* - Background levels for lead vary widely. Typical metropolitan or suburban levels range between 200 -500 ppm (USEPA Interim Lead Guidance, 1994).

Detection Limits shown are PQL

**TABLE 1**  
**ANALYTICAL SOIL SAMPLE RESULTS**  
**HAZORB**

Location ID		HZB-15	HZB-18
Sample ID		HZB-15	HZB-18
Matrix		Soil	Soil
Depth Interval (ft.)		0.0-4.0	0.0-4.0
Date Sampled		05/16/00	05/16/00
Parameter	Units		
<b>Volatile Organic Analytes</b>			
1,1,2-Trichloroethane	UG/KG	810 U	7 U
Tetrachloroethane	UG/KG	810 U	7 U
2-Hexanone	UG/KG	1600 U	15 U
Dibromochloromethane	UG/KG	810 U	7 U
Chlorobenzene	UG/KG	810 U	7 U
Ethylbenzene	UG/KG	810 U	7 U
m,p-Xylene	UG/KG	810 U	7 U
o-Xylene	UG/KG	810 U	7 U
Styrene	UG/KG	810 U	7 U
Bromoform	UG/KG	810 U	7 U
1,1,2,2-Tetrachloroethane	UG/KG	810 U	7 U
<b>Semivolatile Organic Analytes</b>			
bis(2-Chloroethylether)	UG/KG	NA	NA
Phenol	UG/KG	NA	NA
2-Chlorophenol	UG/KG	NA	NA
1,3-Dichlorobenzene	UG/KG	NA	NA
1,4-Dichlorobenzene	UG/KG	NA	NA
1,2-Dichlorobenzene	UG/KG	NA	NA
bis(2-Chloroisopropylether)	UG/KG	NA	NA
2-Methylphenol	UG/KG	NA	NA
Hexachloroethane	UG/KG	NA	NA
N-Nitrosodi-N-propylamine	UG/KG	NA	NA
3,4-Methylphenol	UG/KG	NA	NA
Nitrobenzene	UG/KG	NA	NA

Flags assigned during chemistry validation are shown.

\* Background levels for lead vary widely. Typical metropolitan or suburban levels range between 200 -600 ppm (USEPA Interim Lead Guidance: <694)

Detection limits shown are FQL

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Printed: 10/5/00 2:14:30 AM
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**TABLE 1**  
**ANALYTICAL SOIL SAMPLE RESULTS**  
**HAZORB**

Location ID		HZB-15	HZB-18
Sample ID		HZB-15	HZB-18
Matrix		Soil	Soil
Depth Interval (ft.)		0.0-4.0	0.0-4.0
Date Sampled		05/16/00	05/16/00
Parameter	Units		
<b>Semivolatile Organic Analytes</b>			
Benzo(a)pyrene	UG/KG	NA	NA
Indeno(1,2,3-cd)pyrene	UG/KG	NA	NA
Dibenz(a,h)anthracene	UG/KG	NA	NA
Benzo(g,h,i)perylene	UG/KG	NA	NA
<b>Pesticides</b>			
alpha-BHC	UG/KG	NA	NA
beta-BHC	UG/KG	NA	NA
gamma-BHC (Lindane)	UG/KG	NA	NA
delta-BHC	UG/KG	NA	NA
Heptachlor	UG/KG	NA	NA
Aldrin	UG/KG	NA	NA
Heptachlor epoxide	UG/KG	NA	NA
alpha-Chlordane	UG/KG	NA	NA
Endosulfan I	UG/KG	NA	NA
gamma-Chlordane	UG/KG	NA	NA
4,4'-DDE	UG/KG	NA	NA
Dieldrin	UG/KG	NA	NA
Endrin	UG/KG	NA	NA
Endosulfan II	UG/KG	NA	NA
4,4'-DDD	UG/KG	NA	NA
Endrin ketone	UG/KG	NA	NA
Endrin aldehyde	UG/KG	NA	NA
Endosulfan sulfate	UG/KG	NA	NA
4,4'-DDT	UG/KG	NA	NA

Flags assigned during chemistry validation are shown.

NA - Background levels for lead vary widely. Typical metropolitan or suburban levels range between 200 -500 ppm (USEPA Interim Lead Guidance, 1994).

Detection Limits shown are PQL

**TABLE 1**  
**ANALYTICAL SOIL SAMPLE RESULTS**  
**HAZORB**

Location ID		HZB-15	HZB-18
Sample ID		HZB-15	HZB-18
Matrix		Soil	Soil
Depth Interval (ft.)		0.0-4.0	0.0-4.0
Date Sampled		05/16/00	05/16/00
Parameter	Units		
<b>Pesticides</b>			
Methoxychlor	UG/KG	NA	NA
Toxaphene	UG/KG	NA	NA
<b>PCBs</b>			
Arochlor 1016	UG/KG	NA	NA
Arochlor 1221	UG/KG	NA	NA
Arochlor 1232	UG/KG	NA	NA
Arochlor 1242	UG/KG	NA	NA
Arochlor 1248	UG/KG	NA	NA
Arochlor 1254	UG/KG	NA	NA
Arochlor 1260	UG/KG	NA	NA
<b>Metals</b>			
Arsenic	MG/KG	NA	NA
Barium	MG/KG	NA	NA
Cadmium	MG/KG	NA	NA
Chromium	MG/KG	NA	NA
Lead	MG/KG	NA	NA
Mercury	MG/KG	NA	NA
Selenium	MG/KG	NA	NA
Silver	MG/KG	NA	NA

Flags assigned during chemistry validation are shown.

\* Background levels for lead vary widely. Typical metropolitan or suburban levels range between 200 -500 ppm (USEPA Interim Lead Guidance, 1994)

Detection Limits shown are PQL

**TABLE 2**  
**ANALYTICAL GROUNDWATER SAMPLE RESULTS**  
**HAZORB**

Location ID		HZB-18
Sample ID		HZB-W-18
Matrix		Groundwater
Depth Interval (ft.)		-
Date Sampled		05/16/00
Parameter	Units	
Volatile Organic Analytes		
Chloromethane	UG/L	5 U
Vinyl chloride	UG/L	2 U
Chloroethane	UG/L	5 U
Bromomethane	UG/L	5 U
1,1-Dichloroethene	UG/L	5 U
Acetone	UG/L	25 U
Carbon disulfide	UG/L	5 U
Methylene chloride	UG/L	5 U
trans-1,2-Dichloroethene	UG/L	5 U
1,1-Dichloroethane	UG/L	5 U
cis-1,2-Dichloroethene	UG/L	5 U
Methyl ethyl ketone (2-Butanone)	UG/L	25 U
Chloroform	UG/L	5 U
1,1,1-Trichloroethane	UG/L	5 U
Carbon tetrachloride	UG/L	5 U
Benzene	UG/L	0.7 U
1,2-Dichloroethane	UG/L	5 U
Trichloroethane	UG/L	5 U
1,2-Dichloropropane	UG/L	5 U
Bromodichloromethane	UG/L	5 U
cis-1,3-Dichloropropene	UG/L	5 U
4-Methyl-2-pentanone	UG/L	10 U
Toluene	UG/L	5 U
trans-1,3-Dichloropropene	UG/L	5 U

Flags assigned during laboratory review are shown.

Detection Limits shown are PQL





**TABLE 3**  
**ANALYTICAL SURFACE WATER SAMPLE RESULTS**  
**HAZORB**

Location ID		HZB-06A	HZB-06A	HZB-06B	HZB-09
Sample ID		HZB-06A	HZB-06A	HZ-06B	HZB-09
Matrix		Surface Water	Surface Water	Surface Water	Surface Water
Depth Interval (ft.)		-	-	-	-
Date Sampled		05/16/00	05/25/00	05/16/00	05/16/00
Parameter	Units				
Volatile Organic Analytes					
Chloromethane	UG/L	5 U	NA	5 U	5 U
Vinyl chloride	UG/L	2 U	NA	2 U	2 U
Chloroethane	UG/L	5 U	NA	5 U	5 U
Bromomethane	UG/L	5 U	NA	5 U	5 U
1,1-Dichloroethene	UG/L	5 U	NA	5 U	5 U
Acetone	UG/L	25 U	NA	25 U	25 U
Carbon disulfide	UG/L	5 U	NA	5 U	5 U
Methylene chloride	UG/L	5 U	NA	5 U	5 U
trans-1,2-Dichloroethene	UG/L	5 U	NA	5 U	5 U
1-Dichloroethane	UG/L	5 U	NA	5 U	5 U
cis-1,2-Dichloroethene	UG/L	5 U	NA	5 U	5 U
Methyl ethyl ketone (2-Butanone)	UG/L	25 U	NA	25 U	25 U
Chloroform	UG/L	5 U	NA	5 U	5 U
1,1,1-Trichloroethane	UG/L	5 U	NA	5 U	5 U
Carbon tetrachloride	UG/L	5 U	NA	5 U	5 U
Benzene	UG/L	0.7 U	NA	0.7 U	0.7 U
1,2-Dichloroethane	UG/L	5 U	NA	5 U	5 U
Trichloroethane	UG/L	5 U	NA	5 U	5 U
1,2-Dichloropropane	UG/L	5 U	NA	5 U	5 U
Bromodichloromethane	UG/L	5 U	NA	5 U	5 U
cis-1,3-Dichloropropene	UG/L	5 U	NA	5 U	5 U
4-Methyl-2-pentanone	UG/L	10 U	NA	10 U	10 U
Toluene	UG/L	5 U	NA	5 U	5 U
trans-1,3-Dichloropropene	UG/L	5 U	NA	5 U	5 U

Flags assigned during laboratory review are shown.

Detection Limits shown are PQL

**TABLE 3**  
**ANALYTICAL SURFACE WATER SAMPLE RESULTS**  
**HAZORB**

Location ID		HZB-06A	HZB-06A	HZB-06B	HZB-09
Sample ID		HZB-06A	HZB-06A	HZ-06B	HZB-09
Matrix		Surface Water	Surface Water	Surface Water	Surface Water
Depth Interval (ft.)		-	-	-	-
Date Sampled		05/16/00	05/25/00	05/16/00	05/16/00
Parameter	Units				
<b>Volatile Organic Analytes</b>					
1,1,2-Trichloroethane	UG/L	5 U	NA	5 U	5 U
Tetrachloroethane	UG/L	5 U	NA	5 U	5 U
2-Hexanone	UG/L	10 U	NA	10 U	10 U
Dibromochloromethane	UG/L	5 U	NA	5 U	5 U
Chlorobenzene	UG/L	5 U	NA	5 U	5 U
Ethylbenzene	UG/L	5 U	NA	5 U	5 U
m,p-Xylene	UG/L	5 U	NA	5 U	5 U
o-Xylene	UG/L	5 U	NA	5 U	5 U
Styrene	UG/L	5 U	NA	5 U	5 U
Bromoform	UG/L	5 U	NA	5 U	5 U
1,1,1,2,2-Tetrachloroethane	UG/L	5 U	NA	5 U	5 U
<b>Semivolatile Organic Analytes</b>					
N-Nitrosodimethylamine	UG/L	NA	NA	NA	5 U
bis(2-Chloroethylether)	UG/L	NA	5 U	NA	5 U
Aniline	UG/L	NA	NA	NA	5 U
Phenol	UG/L	NA	5 U	NA	5 U
2-Chlorophenol	UG/L	NA	5 U	NA	5 U
1,3-Dichlorobenzene	UG/L	NA	5 U	NA	5 U
1,4-Dichlorobenzene	UG/L	NA	5 U	NA	5 U
1,2-Dichlorobenzene	UG/L	NA	5 U	NA	5 U
Benzyl alcohol	UG/L	NA	NA	NA	10 U
bis(2-Chloroisopropylether)	UG/L	NA	5 U	NA	5 U
2-Methylphenol	UG/L	NA	5 U	NA	5 U
Hexachloroethane	UG/L	NA	5 U	NA	5 U

Flags assigned during laboratory review are shown.

Detection Limits shown are PQL

**TABLE 3**  
**ANALYTICAL SURFACE WATER SAMPLE RESULTS**  
**HAZORB**

Location ID		HZB-06A	HZB-06A	HZB-06B	HZB-09
Sample ID		HZB-06A	HZB-06A	HZ-06B	HZB-09
Matrix		Surface Water	Surface Water	Surface Water	Surface Water
Depth Interval (ft.)		-	-	-	-
Date Sampled		05/16/00	05/25/00	05/16/00	05/16/00
Parameter	Units				
Semivolatile Organic Analytes					
N-Nitrosodi-N-propylamine	UG/L	NA	5 U	NA	5 U
3&4-Methylphenol	UG/L	NA	5 U	NA	5 U
Nitrobenzene	UG/L	NA	5 U	NA	5 U
Isophorone	UG/L	NA	5 U	NA	5 U
2-Nitrophenol	UG/L	NA	5 U	NA	5 U
2,4-Dimethylphenol	UG/L	NA	5 U	NA	5 U
bis(2-Chloroethoxymethane)	UG/L	NA	5 U	NA	5 U
2,4-Dichlorophenol	UG/L	NA	5 U	NA	5 U
1,2,4-Trichlorobenzene	UG/L	NA	5 U	NA	5 U
Naphthalene	UG/L	NA	5 U	NA	5 U
Benzoic acid	UG/L	NA	NA	NA	20 U
4-Chloroaniline	UG/L	NA	10 U	NA	10 U
Hexachlorobutadiene	UG/L	NA	5 U	NA	5 U
4-Chloro-3-methylphenol	UG/L	NA	10 U	NA	10 U
2-Methylnaphthalene	UG/L	NA	5 U	NA	5 U
Hexachlorocyclopentadiene	UG/L	NA	5 U	NA	5 U
2,4,6-Trichlorophenol	UG/L	NA	5 U	NA	5 U
2,4,5-Trichlorophenol	UG/L	NA	5 U	NA	5 U
2-Chloronaphthalene	UG/L	NA	5 U	NA	5 U
2-Nitroaniline	UG/L	NA	20 U	NA	20 U
Dimethylphthalate	UG/L	NA	5 U	NA	5 U
Acenaphthylene	UG/L	NA	5 U	NA	5 U
2,6-Dinitrotoluene	UG/L	NA	5 U	NA	5 U
3-Nitroaniline	UG/L	NA	20 U	NA	20 U

Flags assigned during laboratory review are shown.

Detection Limits shown are PQL

Flags assigned during laboratory review are shown.

Flags assigned during laboratory review are shown.

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Flags assigned during laboratory review are shown.

Location ID		HZB-06A	HZB-06A	HZB-06B	HZB-05
Sample ID		HZB-06A	HZB-06A	HZ-06B	HZB-09
Matrix		Surface Water	Surface Water	Surface Water	Surface Water
Depth Interval (ft.)		-	-	-	-
Date Sampled		05/16/00	05/25/00	05/16/00	05/16/00
Parameter	Units				
Metals					
Selenium	MG/L	0.002 U	NA	NA	0.002 U
Siiver	MG/L	0.010 U	NA	NA	0.010 U
Miscellaneous Parameters					
Cyanide	MG/L	0.013	NA	NA	0.01 U

Detection Limits shown are FGL.

# CHAIN OF CUSTODY RECORD

PROJECT NO. 0500035107-01 SITE NAME Hazardous Waste  
 SAMPLERS (PRINT/SIGNATURE) Donna R. Kelly

DELIVERY SERVICE: Logix AIRBILL NO.: 1000000000

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS
1	5/14/01	09:06	Cont	112B-1	Soil	3
2	5/14/01	13:05	↓	112B-2	Soil	3
3	5/14/01	13:05	↓	112B-3	Soil	3
4	5/14/01	14:01	↓	112B-19	Soil	1
5	5/14/01	14:01	↓	112B-19	Soil	1
6	5/14/01	10:10	Cont	112B-1	Soil	3
7	5/14/01	12:15	↓	112B-2	Soil	3
8	5/14/01	12:15	↓	112B-3	Soil	3
9	5/14/01	12:15	↓	112B-1	Soil	3
10	5/14/01	12:15	↓	112B-19	Soil	3
11	5/14/01	12:15	↓	112B-19	Soil	3
12	5/14/01	14:50	Cont	112B-19	Soil	3
13	5/14/01	15:00	↓	112B-19	Soil	3
14	5/14/01	16:20	↓	112B-19	Soil	3

**MATRIX CODES**  
 AA - AMBIENT AIR  
 SE - SEDIMENT  
 SH - HAZARDOUS SOLID WASTE  
 TB# - TRIP BLANK  
 SD# - MATRIX SPIKE DUPLICATE

**SAMPLE TYPE CODES**  
 WB - LEACHATE  
 GS - SOIL GAS  
 WC - DRILLING WATER  
 WL - GROUND WATER  
 SO - SOIL  
 DC - DRILL CUTTINGS  
 N# - NORMAL ENVIRONMENTAL SAMPLE  
 MS# - MATRIX SPIKE

RELINQUISHED BY (SIGNATURE) Donna R. Kelly DATE 5/14/01 TIME 14:00  
 RECEIVED BY (SIGNATURE) Donna R. Kelly DATE 5/14/01 TIME 14:00  
 RELINQUISHED BY (SIGNATURE) Donna R. Kelly DATE 5/14/01 TIME 14:00  
 RECEIVED FOR LAB BY (SIGNATURE) Donna R. Kelly DATE 5/14/01 TIME 14:00

Distribution: Original accompanies shipment, copy to coordinator field files

## TESTS

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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## BOTTLE TYPE AND PRESERVATIVE

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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WO - OCEAN WATER  
 WS - SURFACE WATER  
 WQ - WATER FIELD QC

SPECIAL INSTRUCTIONS

URS Greiner

LAB. 11111  
 COOLER 1 of 1  
 PAGE 1 of 2

REMARKS

LH - HAZARDOUS LIQUID WASTE  
 LF - FLOATING/FREE PRODUCT ON GW TABLE

FIELD LOT NO. #  
 ENDING DEPTH (IN FEET)  
 BEGINNING DEPTH (IN FEET)  
 SAMPLE TYPE



**URS Greiner**

SITE NAME

102

100

AIRBILL NO.: 2

AIRBILL NO.: 92257-23

MATRIX

1

Age Group	Percentage of Respondents
18-29	85%
30-49	80%
50-69	75%
70+	70%

---

1

1

1

1

---

100

ING - GROUND

C - DRILL C

# - NORMA

1000

10

**Abstract**

511

1995-1996

*Distribution: Original accompanies shipment, copy to coordinator field files*

URS F-075C/1 OF 1 CofCR/GCM

## **APPENDIX D**

### **DATA USABILITY SUMMARY REPORT**

**DATA USABILITY SUMMARY REPORT**

**HAZORB SITE INVESTIGATION  
NIAGARA FALLS, NEW YORK**

**Analyses Performed by:  
FRIEND LABORATORY, INC.  
WAVERLY, NEW YORK**

**Prepared for:  
CITY OF NIAGARA FALLS**

**Prepared by:  
URS CORPORATION**

**MARCH 2001**

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## **TABLES**

Table 1 – Soil Analytical Results

Table 2 – Groundwater Analytical Results

Table 3 - Surface Water Analytical Results

## **ATTACHMENTS**

Attachment 1 – Laboratory Summary Forms (Form Is)

Attachment 2 – Support Documentation

## I. INTRODUCTION

This Data Usability Summary Report (DUSR) has been prepared following the guidelines provided in New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation *Guidance for the Development of Data Usability Summary Reports* (Revised June 1999) and the Site Investigation/Remedial Alternatives Report Scoping Plan (May 1999).

## II. ANALYTICAL METHODOLOGIES

The data being evaluated is from the May 16, 2000 sampling of twelve (12) soils samples, one groundwater sample, and three surface water samples; and the May 25, 2001 sampling of one surface water. The analytical laboratory that performed the sample analyses is Friend Laboratory, Inc., located in Waverly, New York.

The samples were analyzed in accordance with NYSDEC Analytical Services Protocol (ASP), 10/95 Edition for the following parameters. Not all samples were analyzed for each parameter.

<u>Parameter</u>	<u>Method No.</u>
Target Compound List (TCL) Volatile Organic Compounds (VOCs)	SW8260B
TCL Semivolatile Organic Compounds (SVOCs)	SW8270C
TCL Pesticides	SW8081A
TCL Polychlorinated Biphenyls (PCBs)	SW8082
RCRA Metals (8)	SW6010B
Total Cyanide	335.3

A limited data validation was performed following the general guidelines in USEPA Region II Contract Laboratory Program (CLP) Organics Data Review (CLP/SOW OLM03.1), SOP No. HW-6, Revision #11, June 1996 and Evaluation of Metals Data for the CLP, SOP Revision XI, January 1992. Qualifications applied to the data include "J/UJ" (estimated result/estimated quantitation limit), "NJ" (presumptive evidence that compound is present), "U" (not detected at the reported quantitation limit), and "R" (rejected). The analytical results are presented in Table 1 (soil), Table 2 (groundwater), and Table 3 (surface water). The laboratory summary forms (Form 1s) are presented in Attachment 1.

**TABLE 1**  
**ANALYTICAL SOIL SAMPLE RESULTS**  
**HAZORB**

Location ID			HZ-01	HZ-02	HZ-03	HZ-04	HZ-05
Sample ID			HZ-01	HZ-02	HZ-03	HZ-04	HZ-05
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft.)			0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0
Date Sampled			05/16/00	05/16/00	05/16/00	05/16/00	05/16/00
Parameter	Units	Criteria*					
<b>Volatile Organic Analytes</b>							
Chloromethane	UG/KG	-	NA	NA	NA	NA	NA
Vinyl chloride	UG/KG	200	NA	NA	NA	NA	NA
Chloroethane	UG/KG	1900	NA	NA	NA	NA	NA
Bromomethane	UG/KG	-	NA	NA	NA	NA	NA
1,1-Dichloroethene	UG/KG	400	NA	NA	NA	NA	NA
Acetone	UG/KG	200	NA	NA	NA	NA	NA
Carbon disulfide	UG/KG	2700	NA	NA	NA	NA	NA
Methylene chloride	UG/KG	100	NA	NA	NA	NA	NA
trans-1,2-Dichloroethene	UG/KG	300	NA	NA	NA	NA	NA
1,1-Dichloroethane	UG/KG	200	NA	NA	NA	NA	NA
cis-1,2-Dichloroethene	UG/KG	-	NA	NA	NA	NA	NA
Methyl ethyl ketone (2-Butanone)	UG/KG	300	NA	NA	NA	NA	NA
Chloroform	UG/KG	300	NA	NA	NA	NA	NA
1,1,1-Trichloroethane	UG/KG	800	NA	NA	NA	NA	NA
Carbon tetrachloride	UG/KG	600	NA	NA	NA	NA	NA
Benzene	UG/KG	60	NA	NA	NA	NA	NA
1,2-Dichloroethane	UG/KG	100	NA	NA	NA	NA	NA
Trichloroethane	UG/KG	700	NA	NA	NA	NA	NA
1,2-Dichloropropane	UG/KG	-	NA	NA	NA	NA	NA
Bromodichloromethane	UG/KG	-	NA	NA	NA	NA	NA
cis-1,3-Dichloropropene	UG/KG	-	NA	NA	NA	NA	NA
4-Methyl-2-pentanone	UG/KG	1000	NA	NA	NA	NA	NA

Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels: HWR-94-4046 January 24, 1994 (Revised)

Flags assigned during chemistry validation are shown:



Concentration Exceeds Criteria

MADE BY: \_PF\_ DATE: \_3/1/01\_

CHECKED BY: \_DKF\_ DATE: \_3/2/01\_


Detection Limits shown are PQL

**TABLE 1**  
**ANALYTICAL SOIL SAMPLE RESULTS**  
**HAZORB**

Location ID			HZ-01	HZ-02	HZ-03	HZ-04	HZ-05
Sample ID			HZ-01	HZ-02	HZ-03	HZ-04	HZ-05
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft.)			0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0
Date Sampled			05/16/00	05/16/00	05/16/00	05/16/00	05/16/00
Parameter	Units	Criteria*					
<b>Volatile Organic Analytes</b>							
Toluene	UG/KG	1500	NA	NA	NA	NA	NA
trans-1,3-Dichloropropene	UG/KG	-	NA	NA	NA	NA	NA
1,1,2-Trichloroethane	UG/KG	-	NA	NA	NA	NA	NA
Tetrachloroethane	UG/KG	1400	NA	NA	NA	NA	NA
2-Hexanone	UG/KG	-	NA	NA	NA	NA	NA
Dibromochloromethane	UG/KG	-	NA	NA	NA	NA	NA
Chlorobenzene	UG/KG	1700	NA	NA	NA	NA	NA
Ethylbenzene	UG/KG	5500	NA	NA	NA	NA	NA
m,p-Xylene	UG/KG	1200	NA	NA	NA	NA	NA
o-Xylene	UG/KG	1200	NA	NA	NA	NA	NA
Styrene	UG/KG	-	NA	NA	NA	NA	NA
Bromoform	UG/KG	-	NA	NA	NA	NA	NA
1,1,1,2,2-Tetrachloroethane	UG/KG	600	NA	NA	NA	NA	NA
<b>Semivolatile Organic Analytes</b>							
bis(2-Chloroethylether)	UG/KG	-	280 U	290 U	280 U	310 U	260 U
Phenol	UG/KG	30 or MDL	280 U	290 U	280 U	5700	260 U
2-Chlorophenol	UG/KG	800	280 U	290 U	280 U	310 U	260 U
1,3-Dichlorobenzene	UG/KG	1600	280 U	290 U	280 U	310 U	260 U
1,4-Dichlorobenzene	UG/KG	8500	280 U	290 U	280 U	310 U	260 U
1,2-Dichlorobenzene	UG/KG	7900	280 U	290 U	280 U	310 U	260 U
bis(2-Chloroisopropylether)	UG/KG	-	280 U	290 U	280 U	310 U	260 U
2-Methylphenol	UG/KG	100 or MDL	280 U	290 U	280 U	260 U	260 U

Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels: HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria.

MADE BY: \_PF\_ DATE: \_3/1/01\_

CHECKED BY: \_DKF\_ DATE: \_3/2/01\_

Detection Limits shown are PQL



**TABLE 1**  
**ANALYTICAL SOIL SAMPLE RESULTS**  
**HAZORB**

Location ID			HZ-01	HZ-02	HZ-03	HZ-04	HZ-05
Sample ID			HZ-01	HZ-02	HZ-03	HZ-04	HZ-05
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft.)			0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0
Date Sampled			05/16/00	05/16/00	05/16/00	05/16/00	05/16/00
Parameter	Units	Criteria*					
<b>Semivolatile Organic Analytes</b>							
Hexachloroethane	UG/KG	-	280 U	290 U	280 U	310 U	260 U
N-Nitrosodi-N-propylamine	UG/KG	-	280 U	290 U	280 U	310 U	260 U
3&4-Methylphenol	UG/KG	-	280 U	290 U	280 U	610	260 U
Nitrobenzene	UG/KG	200 or MDL	280 U	290 U	280 U	310 U	260 U
Isophorone	UG/KG	4400	280 U	290 U	280 U	310 U	260 U
2-Nitrophenol	UG/KG	330 or MDL	280 U	290 U	280 U	310 U	260 U
2,4-Dimethylphenol	UG/KG	-	280 U	290 U	280 U	310 U	260 U
bis(2-Chloroethoxymethane)	UG/KG	-	280 U	290 U	280 U	310 U	260 U
2,4-Dichlorophenol	UG/KG	400	280 U	290 U	280 U	310 U	260 U
1,2,4-Trichlorobenzene	UG/KG	3400	280 U	290 U	280 U	310 U	260 U
Naphthalene	UG/KG	13000	280 U	1300	480	1800	260 U
4-Chloroaniline	UG/KG	220 or MDL	570 U	570 U	570 U	620 U	510 U
Hexachlorobutadiene	UG/KG	-	280 U	290 U	280 U	310 U	260 U
4-Chloro-3-methylphenol	UG/KG	240 or MDL	570 U	570 U	570 U	620 U	510 U
2-Methylnaphthalene	UG/KG	36400	570 U	1600	490 J	2500	260 U
Hexachlorocyclopentadiene	UG/KG	-	280 UJ	290 U	280 U	310 U	260 UJ
2,4,6-Trichlorophenol	UG/KG	-	280 U	290 U	280 U	310 U	260 U
2,4,5-Trichlorophenol	UG/KG	100	280 U	290 U	280 U	310 U	260 U
2-Chloronaphthalene	UG/KG	-	280 U	290 U	280 U	310 U	260 U
2-Nitroaniline	UG/KG	430 or MDL	1100 U	1100 U	1100 U	1200 U	1000 U
Dimethylphthalate	UG/KG	2000	280 U	290 U	280 U	310 U	260 U
Acenaphthylene	UG/KG	41000	280 U	290 U	280 U	310 U	260 U

Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels: HWR-94-4046 January 24, 1994 (Revised)

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria.

MADE BY: \_PF\_ DATE: \_3/1/01\_

CHECKED BY: \_DKF\_ DATE: \_3/2/01\_

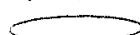
Detection Limits shown are PQL

**TABLE 1**  
**ANALYTICAL SOIL SAMPLE RESULTS**  
**HAZORB**

Location ID			HZ-01	HZ-02	HZ-03	HZ-04	HZ-05
Sample ID			HZ-01	HZ-02	HZ-03	HZ-04	HZ-05
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft.)			0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0
Date Sampled			05/16/00	05/16/00	05/16/00	05/16/00	05/16/00
Parameter	Units	Criteria*					
<b>Semivolatile Organic Analytes</b>							
2,6-Dinitrotoluene	UG/KG	1000	280 U	290 U	280 U	310 U	260 U
3-Nitroaniline	UG/KG	500 or MDL	1100 U	1100 U	1100 U	1200 U	1000 U
Acenaphthene	UG/KG	50000	280 U	290 U	200 J	560	260 U
2,4-Dinitrophenol	UG/KG	200 or MDL	1100 U	1100 U	1100 U	1200 U	1000 U
Dibenzofuran	UG/KG	6200	280 U	400	280 U	710	260 U
2,4-Dinitrotoluene	UG/KG	-	280 U	290 U	280 U	310 U	260 U
4-Nitrophenol	UG/KG	100 or MDL	1100 U	1100 U	1100 U	1200 U	1000 U
Diethylphthalate	UG/KG	7100	280 U	290 U	280 U	310 U	260 U
Fluorene	UG/KG	50000	280 U	290 UJ	280 U	410	260 U
4-Chlorophenylphenylether	UG/KG	-	280 U	290 U	280 U	310 U	260 U
4-Nitroaniline	UG/KG	-	1100 U	1100 U	1100 U	1200 U	1000 U
4,6-Dinitro-2-methylphenol	UG/KG	-	1100 U	1100 U	1100 U	1200 U	1000 U
N-Nitrosodiphenylamine	UG/KG	-	280 U	290 U	280 U	310 U	260 U
4-Bromophenylphenylether	UG/KG	-	280 U	290 U	280 U	310 U	260 U
Hexachlorobenzene	UG/KG	410	280 U	290 U	280 U	310 U	260 U
Pentachlorophenol	UG/KG	1000 or MDL	1100 U	1100 U	1100 U	1200 U	1000 U
Phenanthrene	UG/KG	50000	1000	1700	1500	4100	260 U
Anthracene	UG/KG	50000	190 J	250 J	320	900	260 U
Carbazole	UG/KG	-	280 U	290 U	200 J	460	260 U
di-n-Butylphthalate	UG/KG	8100	280 U	290 U	280 U	210 J	260 U
Fluoranthene	UG/KG	50000	1800	1200	2300	4200	260 U
Pyrene	UG/KG	50000	1600	1300	2700	7300	260 U

Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels, HWR-34-4046 January 24, 1994 (Revised)

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria.

MADE BY: \_PF\_ DATE: \_3/1/01\_

CHECKED BY: \_DKF\_ DATE: \_3/2/01\_

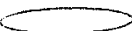
Detection Limits shown are POL

**TABLE 1**  
**ANALYTICAL SOIL SAMPLE RESULTS**  
**HAZORB**

Location ID			HZ-01	HZ-02	HZ-03	HZ-04	HZ-05
Sample ID			HZ-01	HZ-02	HZ-03	HZ-04	HZ-05
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft.)			0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0
Date Sampled			05/16/00	05/16/00	05/16/00	05/16/00	05/16/00
Parameter	Units	Criteria*					
<b>Semivolatile Organic Analytes</b>							
Butylbenzylphthalate	UG/KG	50000	280 U	290 U	280 U	310 U	260 U
Benzo(a)anthracene	UG/KG	224 or MDL	750	780	1800	3200	260 U
3,3'-Dichlorobenzidine	UG/KG	-	570 U	570 U	570 U	620 U	510 U
Chrysene	UG/KG	400	1000	1200	2400	3600	260 U
bis(2-Ethylhexyl)phthalate	UG/KG	50000	280 U	290 U	280 U	4700	260 U
di-n-Octylphthalate	UG/KG	50000	280 U	290 UJ	280 UJ	310 UR	260 U
Benzo(b)fluoranthene	UG/KG	1100	1200	1100 J	4300 J	5200 J	260 U
Benzo(k)fluoranthene	UG/KG	1100	450	420 J	1500 J	2200 J	260 U
Benzo(a)pyrene	UG/KG	61 or MDL	650	730 J	2600 J	3700 J	260 U
Indeno(1,2,3-cd)pyrene	UG/KG	3200	260 J	350 J	1500 J	2300 J	260 U
Dibenz(a,h)anthracene	UG/KG	14 or MDL	280 U	290 UJ	330 J	310 UR	260 U
Benzo(g,h,i)perylene	UG/KG	50000	250 J	410 J	1700 J	2300 J	260 U
<b>Pesticides</b>							
alpha-BHC	UG/KG	110	60 U	60 U	60 U	60 U	50 U
beta-BHC	UG/KG	200	60 U	60 U	60 U	60 U	50 U
gamma-BHC (Lindane)	UG/KG	60	60 U	60 U	60 U	60 U	50 U
delta-BHC	UG/KG	300	60 U	60 U	60 U	60 U	50 U
Heptachlor	UG/KG	100	60 U	60 U	60 U	60 U	50 U
Aldrin	UG/KG	41	60 U	60 U	60 U	60 U	50 U
Heptachlor epoxide	UG/KG	20	60 U	60 U	60 U	60 U	50 U
alpha-Chlordane	UG/KG	-	60 U	60 U	60 U	60 U	50 U
Endosulfan I	UG/KG	900	60 U	60 U	60 U	60 U	50 U

Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels, HWR-94-4046 January 24, 1994 (Revised)

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

MADE BY: \_PF\_ DATE: \_3/1/01\_

CHECKED BY: \_DKF\_ DATE: \_3/2/01\_

Detection Limits shown are PQL

**TABLE 1**  
**ANALYTICAL SOIL SAMPLE RESULTS**  
**HAZORB**

Location ID			HZ-01	HZ-02	HZ-03	HZ-04	HZ-05
Sample ID			HZ-01	HZ-02	HZ-03	HZ-04	HZ-05
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft.)			0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0
Date Sampled			05/16/00	05/16/00	05/16/00	05/16/00	05/16/00
Parameter	Units	Criteria*					
<b>Pesticides</b>							
gamma-Chlordane	UG/KG	540	60 U	60 U	60 U	60 U	50 U
4,4'-DDE	UG/KG	2100	60 U	60 U	60 U	60 U	50 U
Dieldrin	UG/KG	44	60 U	60 U	60 U	60 U	50 U
Endrin	UG/KG	100	60 U	60 U	60 U	60 U	50 U
Endosulfan II	UG/KG	900	60 U	60 U	60 U	60 U	50 U
4,4'-DDD	UG/KG	2900	60 U	60 U	60 U	60 U	50 U
Endrin ketone	UG/KG	-	60 U	60 U	60 U	60 U	50 U
Endrin aldehyde	UG/KG	-	60 U	60 U	60 U	60 U	50 U
Endosulfan sulfate	UG/KG	1000	60 U	60 U	60 U	60 U	50 U
4,4'-DDT	UG/KG	2100	60 U	60 U	60 U	60 U	50 U
Methoxychlor	UG/KG	-	60 U	60 U	60 U	60 U	50 U
Toxaphene	UG/KG	-	600 U	600 U	600 U	600 U	500 U
<b>PCBs</b>							
Aroclor 1016	UG/KG	-	120 U	120 U	120 U	120 U	110 U
Aroclor 1221	UG/KG	-	240 U	240 U	240 U	240 U	220 U
Aroclor 1232	UG/KG	-	120 U	120 U	120 U	120 U	110 U
Aroclor 1242	UG/KG	-	120 U	120 U	120 U	120 U	110 U
Aroclor 1248	UG/KG	-	120 U	120 U	120 U	120 U	110 U
Aroclor 1254	UG/KG	-	120 U	120 U	120 U	120 U	110 U
Aroclor 1260	UG/KG	-	120 U	120 U	120 U	120 U	110 U
<b>Metals</b>							
Arsenic	MG/KG	7.5 or SB	14	13.9 U	12.7 U	14.0 U	12.1 U

Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria.

MADE BY: \_PF\_ DATE: \_3/1/01\_

CHECKED BY: \_DKF\_ DATE: \_3/2/01\_

Detection Limits shown are PQL

TABLE 1  
ANALYTICAL SOIL SAMPLE RESULTS  
FIELD NO.

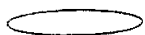
Location ID	HZ-01	HZ-02	HZ-03	HZ-04	HZ-05
Sample ID	HZ-01	HZ-02	HZ-03	HZ-04	HZ-05
Matrix	Soil	Soil	Soil	Soil	Soil
Depth Interval	1.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0	1.0-4.0
Date Sampled	05/18/00	05/18/00	05/18/00	05/18/00	05/18/00

**TABLE 1**  
**ANALYTICAL SOIL SAMPLE RESULTS**  
**HAZORB**

Location ID			HZ-06	HZ-08	HZB-01	HZB-02	HZB-03
Sample ID			HZ-06	HZ-08	HZB-01	HZB-02	HZB-03
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft.)			0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0
Date Sampled			05/16/00	05/16/00	05/16/00	05/16/00	05/16/00
Parameter	Units	Criteria*					
<b>Volatile Organic Analytes</b>							
Chloromethane	UG/KG	-	NA	NA	6 UJ	7 U	6 U
Vinyl chloride	UG/KG	200	NA	NA	2 UJ	3 U	2 U
Chloroethane	UG/KG	1900	NA	NA	6 UJ	7 U	6 U
Bromomethane	UG/KG	-	NA	NA	6 UJ	7 U	6 U
1,1-Dichloroethene	UG/KG	400	NA	NA	6 UJ	7 U	6 U
Acetone	UG/KG	200	NA	NA	8 J	33 U	29 U
Carbon disulfide	UG/KG	2700	NA	NA	6 UJ	7 U	6 U
Methylene chloride	UG/KG	100	NA	NA	12 J	7 U	6 U
trans-1,2-Dichloroethene	UG/KG	300	NA	NA	6 UJ	7 U	6 U
1,1-Dichloroethane	UG/KG	200	NA	NA	6 UJ	7 U	6 U
cis-1,2-Dichloroethene	UG/KG	-	NA	NA	6 UJ	7 U	6 U
Methyl ethyl ketone (2-Butanone)	UG/KG	300	NA	NA	6 UJ	33 U	29 U
Chloroform	UG/KG	300	NA	NA	6 UJ	7 U	6 U
1,1,1-Trichloroethane	UG/KG	800	NA	NA	6 UJ	7 U	6 U
Carbon tetrachloride	UG/KG	600	NA	NA	6 UJ	7 U	6 U
Benzene	UG/KG	60	NA	NA	0.8 UJ	0.9 U	0.8 U
1,2-Dichloroethane	UG/KG	100	NA	NA	6 UJ	7 U	6 U
Trichloroethane	UG/KG	700	NA	NA	6 UJ	7 U	6 U
1,2-Dichloropropane	UG/KG	-	NA	NA	6 UJ	7 U	6 U
Bromodichloromethane	UG/KG	-	NA	NA	6 UJ	7 U	6 U
cis-1,3-Dichloropropene	UG/KG	-	NA	NA	6 UJ	7 U	6 U
4-Methyl-2-pentanone	UG/KG	1000	NA	NA	12 UJ	13 U	11 UJ

Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria.

MADE BY: \_PF\_ DATE: \_3/1/01\_

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Detection Limits shown are PQL.

**TABLE 1**  
**ANALYTICAL SOIL SAMPLE RESULTS**  
**HAZORB**

Location ID			HZ-06	HZ-08	HZB-01	HZB-02	HZB-03
Sample ID			HZ-06	HZ-08	HZB-01	HZB-02	HZB-03
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft.)			0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0
Date Sampled			05/16/00	05/16/00	05/16/00	05/16/00	05/16/00
Parameter	Units	Criteria*					
<b>Volatile Organic Analytes</b>							
Toluene	UG/KG	1500	NA	NA	6 UJ	7 U	6 UJ
trans-1,3-Dichloropropene	UG/KG	-	NA	NA	6 UJ	7 U	6 UJ
1,1,2-Trichloroethane	UG/KG	-	NA	NA	6 UJ	7 U	6 UJ
Tetrachloroethane	UG/KG	1400	NA	NA	6 UJ	7 U	6 UJ
2-Hexanone	UG/KG	-	NA	NA	12 UJ	13 U	11 UJ
Dibromochloromethane	UG/KG	-	NA	NA	6 UJ	7 U	6 UJ
Chlorobenzene	UG/KG	1700	NA	NA	6 UJ	7 U	6 UJ
Ethylbenzene	UG/KG	5500	NA	NA	6 UJ	7 U	6 UJ
m,p-Xylene	UG/KG	1200	NA	NA	6 UJ	7 U	6 UJ
o-Xylene	UG/KG	1200	NA	NA	6 UJ	7 U	6 UJ
Styrene	UG/KG	-	NA	NA	6 UJ	7 U	6 UJ
Bromoform	UG/KG	-	NA	NA	6 UJ	7 U	6 UJ
1,1,2,2-Tetrachloroethane	UG/KG	600	NA	NA	6 UJ	7 U	6 UJ
<b>Semivolatile Organic Analytes</b>							
bis(2-Chloroethylether)	UG/KG	-	11000 U	16000 U	310 U	670 U	580 U
Phenol	UG/KG	30 or MDL	37000	16000 U	310 U	670 U	580 U
2-Chlorophenol	UG/KG	800	11000 U	16000 U	310 U	670 U	580 U
1,3-Dichlorobenzene	UG/KG	1600	11000 U	16000 U	310 U	670 U	580 U
1,4-Dichlorobenzene	UG/KG	8500	11000 U	16000 U	310 U	670 U	580 U
1,2-Dichlorobenzene	UG/KG	7900	11000 U	16000 U	310 U	670 U	580 U
bis(2-Chloroisopropylether)	UG/KG	-	11000 U	16000 U	310 U	670 U	580 U
2-Methylphenol	UG/KG	100 or MDL	11000 U	16000 U	310 U	670 U	580 U

\*Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels: HWR-94-4046 January 24, 1994 (Revised)

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria.

MADE BY: \_PF\_ DATE: \_3/1/01\_

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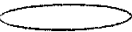
Detection Limits shown are PQL

**TABLE 1**  
**ANALYTICAL SOIL SAMPLE RESULTS**  
**HAZORB**

Location ID			HZ-06	HZ-08	HZB-01	HZB-02	HZB-03
Sample ID			HZ-06	HZ-08	HZB-01	HZB-02	HZB-03
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft.)			0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0
Date Sampled			05/16/00	05/16/00	05/16/00	05/16/00	05/16/00
Parameter	Units	Criteria*					
Semivolatile Organic Analytes							
Hexachloroethane	UG/KG	-	11000 U	16000 U	310 U	670 U	580 U
N-Nitrosodi-N-propylamine	UG/KG	-	11000 U	16000 U	310 U	670 U	580 U
3&4-Methylphenol	UG/KG	-	11000 U	16000 U	310 U	840 J	580 U
Nitrobenzene	UG/KG	200 or MDL	11000 U	16000 U	310 U	670 U	580 U
Isophorone	UG/KG	4400	11000 U	16000 U	310 U	670 U	580 U
2-Nitrophenol	UG/KG	330 or MDL	11000 U	16000 U	310 U	670 U	580 U
2,4-Dimethylphenol	UG/KG	-	11000 U	16000 U	310 U	670 U	580 U
bis(2-Chloroethoxymethane)	UG/KG	-	11000 U	16000 U	310 U	670 U	580 U
2,4-Dichlorophenol	UG/KG	400	11000 U	16000 U	310 U	670 U	580 U
1,2,4-Trichlorobenzene	UG/KG	3400	11000 U	16000 U	310 U	670 U	580 U
Naphthalene	UG/KG	13000	11000 U	15000 J	300 J	3100 J	1600
4-Chloroaniline	UG/KG	220 or MDL	21000 U	33000 U	630 U	1300 U	1200 U
Hexachlorobutadiene	UG/KG	-	11000 U	16000 U	310 U	670 U	580 U
4-Chloro-3-methylphenol	UG/KG	240 or MDL	21000 U	33000 U	630 U	1300 U	1200 U
2-Methylnaphthalene	UG/KG	36400	11000 U	4100 J	250 J	1600 J	620 J
Hexachlorocyclopentadiene	UG/KG	-	11000 U	16000 U	310 U	670 U	580 U
2,4,6-Trichlorophenol	UG/KG	-	11000 U	16000 U	310 U	670 U	580 U
2,4,5-Trichlorophenol	UG/KG	100	11000 U	16000 U	310 U	670 U	580 U
2-Chloronaphthalene	UG/KG	-	11000 U	16000 U	310 U	670 U	580 U
2-Nitroaniline	UG/KG	430 or MDL	42000 U	66000 U	1300 U	2700 U	2300 U
Dimethylphthalate	UG/KG	2000	11000 U	16000 U	310 U	670 U	580 U
Acenaphthylene	UG/KG	41000	11000 U	16000 U	310 U	620 J	580 U

Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria.

MADE BY: \_PF\_ DATE: \_3/1/01\_

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Detection Limits shown are PQL

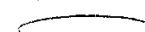


**TABLE 1**  
**ANALYTICAL SOIL SAMPLE RESULTS**  
**HAZORB**

Location ID			HZ-06	HZ-08	HZB-01	HZB-02	HZB-03
Sample ID			HZ-06	HZ-08	HZB-01	HZB-02	HZB-03
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft.)			0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0
Date Sampled			05/16/00	05/16/00	05/16/00	05/16/00	05/16/00
Parameter	Units	Criteria*					
Semivolatile Organic Analytes							
2,6-Dinitrotoluene	UG/KG	1000	11000 U	16000 U	310 U	670 U	580 U
3-Nitroaniline	UG/KG	500 or MDL	42000 U	66000 U	1300 U	2700 U	2300 U
Acenaphthene	UG/KG	50000	14000	16000 J	150 J	6200	3300
2,4-Dinitrophenol	UG/KG	200 or MDL	42000 U	66000 U	1300 U	2700 U	2300 U
Dibenzofuran	UG/KG	6200	11000 U	11000 J	130 J	3400	1500
2,4-Dinitrotoluene	UG/KG	-	11000 U	16000 U	310 U	670 U	580 U
4-Nitrophenol	UG/KG	100 or MDL	42000 U	66000 U	1300 U	2700 U	2300 U
Diethylphthalate	UG/KG	7100	11000 U	16000 U	310 U	670 U	580 U
Fluorene	UG/KG	50000	11000 U	19000	160 J	6300	2200
4-Chlorophenylphenylether	UG/KG	-	11000 U	16000 U	310 U	670 U	580 U
4-Nitroaniline	UG/KG	-	42000 U	66000 U	1300 U	2700 U	2300 U
4,6-Dinitro-2-methylphenol	UG/KG	-	42000 U	66000 U	1300 U	2700 U	2300 U
N-Nitrosodiphenylamine	UG/KG	-	11000 U	16000 U	310 U	670 U	580 U
4-Bromophenylphenylether	UG/KG	-	11000 U	16000 U	310 U	670 U	580 U
Hexachlorobenzene	UG/KG	410	11000 U	16000 U	310 U	670 U	580 U
Pentachlorophenol	UG/KG	1000 or MDL	42000 U	66000 U	1300 U	2700 U	2300 U
Phenanthrene	UG/KG	50000	37000	130000	1200	61000 D	19000
Anthracene	UG/KG	50000	9500 J	35000	270 J	15000	5200
Carbazole	UG/KG	-	8000 J	20000	310 U	7800	3500
di-n-Butylphthalate	UG/KG	8100	11000 U	16000 U	310 U	670 U	580 U
Fluoranthene	UG/KG	50000	87000	140000	1900	68000 D	40000 D
Pyrene	UG/KG	50000	110000	130000	2300	86000 D	38000 D

Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels: HWR-94-4046 January 24, 1994 (Revised)

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria.

MADE BY: \_PF\_ DATE: 3/1/01

CHECKED BY: \_DKF\_ DATE: 3/2/01

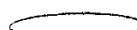
Detection Limits shown are PQL

**TABLE 1**  
**ANALYTICAL SOIL SAMPLE RESULTS**  
**HAZORB**

Location ID			HZ-06	HZ-08	HZB-01	HZB-02	HZB-03
Sample ID			HZ-06	HZ-08	HZB-01	HZB-02	HZB-03
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft.)			0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0
Date Sampled			05/16/00	05/16/00	05/16/00	05/16/00	05/16/00
Parameter	Units	Criteria*					
<b>Semivolatile Organic Analytes</b>							
Butylbenzylphthalate	UG/KG	50000	11000 U	16000 U	310 U	670 UJ	580 U
Benzo(a)anthracene	UG/KG	224 or MDL	93000	63000	1200	53000 D	23000
3,3'-Dichlorobenzidine	UG/KG	-	21000 U	33000 U	630 U	1300 UJ	1200 U
Chrysene	UG/KG	400	120000	62000	1500	53000 D	34000 D
bis(2-Ethylhexyl)phthalate	UG/KG	50000	11000 U	16000 U	310 U	670 UJ	580 U
di-n-Octylphthalate	UG/KG	50000	11000 UJ	16000 U	310 U	670 UJ	580 UJ
Benzo(b)fluoranthene	UG/KG	1100	220000 J	77000	2900	73000 D	34000 D
Benzo(k)fluoranthene	UG/KG	1100	92000 J	40000	1500	21000 J	8700 J
Benzo(a)pyrene	UG/KG	61 or MDL	170000 J	55000	1100	53000 D	19000 J
Indeno(1,2,3-cd)pyrene	UG/KG	3200	97000 J	30000	1300	42000 D	14000 J
Dibenz(a,h)anthracene	UG/KG	14 or MDL	11000 UJ	8700 J	280 J	6600 J	3000 J
Benzo(g,h,i)perylene	UG/KG	50000	99000 J	33000	1300	39000 D	13000 J
<b>Pesticides</b>							
alpha-BHC	UG/KG	110	500 U	160 U	60 U	70 U	60 U
beta-BHC	UG/KG	200	500 U	160 U	60 U	70 U	60 U
gamma-BHC (Lindane)	UG/KG	60	500 U	160 U	60 U	70 U	60 U
delta-BHC	UG/KG	300	500 U	160 U	60 U	70 U	60 U
Heptachlor	UG/KG	100	500 U	160 U	60 U	70 U	60 U
Aldrin	UG/KG	41	500 U	160 U	60 U	70 U	60 U
Heptachlor epoxide	UG/KG	20	500 U	160 U	60 U	70 U	60 U
alpha-Chlordane	UG/KG	-	500 U	160 U	60 U	70 U	60 U
Endosulfan I	UG/KG	900	500 U	160 U	60 U	70 U	60 U

Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels. HWR-94-4046 January 24, 1994. (Revised)

Flags assigned during chemistry validation are shown

 Concentration Exceeds Criteria.

MADE BY: \_PF\_ DATE: \_3/1/01\_

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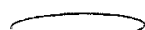
Detection Limits shown are PQL

**TABLE 1**  
**ANALYTICAL SOIL SAMPLE RESULTS**  
**HAZORB**

Location ID			HZ-06	HZ-08	HZB-01	HZB-02	HZB-03
Sample ID			HZ-06	HZ-08	HZB-01	HZB-02	HZB-03
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft.)			0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0
Date Sampled			05/16/00	05/16/00	05/16/00	05/16/00	05/16/00
Parameter	Units	Criteria*					
<b>Pesticides</b>							
gamma-Chlordane	UG/KG	540	500 U	160 U	60 U	70 U	60 U
4,4'-DDE	UG/KG	2100	500 U	160 U	60 U	70 U	60 U
Dieldrin	UG/KG	44	500 U	160 U	60 U	70 U	60 U
Endrin	UG/KG	100	500 U	160 U	60 U	70 U	60 U
Endosulfan II	UG/KG	900	500 U	160 U	60 U	70 U	60 U
4,4'-DDD	UG/KG	2900	500 U	160 U	60 U	70 U	60 U
Endrin ketone	UG/KG	-	500 U	160 U	60 U	70 U	60 U
Endrin aldehyde	UG/KG	-	500 U	160 U	60 U	70 U	60 U
Endosulfan sulfate	UG/KG	1000	500 U	160 U	60 U	70 U	60 U
4,4'-DDT	UG/KG	2100	500 U	160 U	60 U	70 U	60 U
Methoxychlor	UG/KG	-	500 U	160 U	60 U	70 U	60 U
Toxaphene	UG/KG	-	5000 U	1600 U	600 U	700 U	600 U
<b>PCBs</b>							
Aroclor 1016	UG/KG	-	1100 U	320 U	120 U	130 U	120 U
Aroclor 1221	UG/KG	-	2200 U	640 U	240 U	260 U	240 U
Aroclor 1232	UG/KG	-	1100 U	320 U	120 U	130 U	120 U
Aroclor 1242	UG/KG	-	1100 U	320 U	120 U	130 U	120 U
Aroclor 1248	UG/KG	-	1100 U	320 U	120 U	130 U	120 U
Aroclor 1254	UG/KG	-	1100 U	320 U	120 U	130 U	120 U
Aroclor 1260	UG/KG	-	1100 U	320 U	120 U	130 U	120 U
<b>Metals</b>							
Arsenic	MG/KG	7.5 or SB	11.9 U	18.9 U	14.7 U	15.3 U	13.9 U

Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels: HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria.

MADE BY: \_PF\_ DATE: \_3/1/01\_

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Detection Limits shown are PQL

**TABLE 1**  
**ANALYTICAL SOIL SAMPLE RESULTS**  
**HAZORB**

Location ID			HZ-06	HZ-08	HZB-01	HZB-02	HZB-03
Sample ID			HZ-06	HZ-08	HZB-01	HZB-02	HZB-03
Matrix			Soil	Soil	Soil	Soil	Soil
Depth Interval (ft.)			0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0	0.0-4.0
Date Sampled			05/16/00	05/16/00	05/16/00	05/16/00	05/16/00
Parameter	Units	Criteria*					
<b>Metals</b>							
Barium	MG/KG	300 or SB	16.7	120	35.7	33.2	106
Cadmium	MG/KG	1	0.4930 U	1.52	0.6120 U	1.41	0.5770 U
Chromium	MG/KG	10	24.7	56.8	28.3	44.7	24.4
Lead	MG/KG	400 *	18	478	68.6	128	40.4
Mercury	MG/KG	0.1	0.0110 U	0.02	0.026	2.7	0.028
Selenium	MG/KG	2 or SB	6.91 U	11.0 U	8.57 U	8.92 U	160 U
Silver	MG/KG	SB	0.987 UJ	1.57 UJ	1.22 UJ	1.27 UJ	1.15 UJ

Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels, HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown

 Concentration Exceeds Criteria

MADE BY: \_PF\_ DATE: \_3/1/01\_

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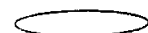
Detection Limits shown are PQL

**TABLE 1**  
**ANALYTICAL SOIL SAMPLE RESULTS**  
**HAZORB**

Location ID			HZB-15	HZB-18
Sample ID			HZB-15	HZB-18
Matrix			Soil	Soil
Depth Interval (ft.)			0.0-4.0	0.0-4.0
Date Sampled			05/16/00	05/16/00
Parameter	Units	Criteria*		
<b>Volatile Organic Analytes</b>				
Chloromethane	UG/KG	-	810 UR	7 U
Vinyl chloride	UG/KG	200	320 UR	3 U
Chloroethane	UG/KG	1900	810 UR	7 U
Bromomethane	UG/KG	-	810 UR	7 U
1,1-Dichloroethene	UG/KG	400	810 UR	7 U
Acetone	UG/KG	200	4000 UR	15 J
Carbon disulfide	UG/KG	2700	810 UR	7 U
Methylene chloride	UG/KG	100	810 UR	3 J
trans-1,2-Dichloroethene	UG/KG	300	810 UR	7 U
1,1-Dichloroethane	UG/KG	200	810 UR	7 U
cis-1,2-Dichloroethene	UG/KG	-	810 UR	7 U
Methyl ethyl ketone (2-Butanone)	UG/KG	300	4000 UR	36 U
Chloroform	UG/KG	300	810 UR	7 U
1,1,1-Trichloroethane	UG/KG	800	810 UR	7 U
Carbon tetrachloride	UG/KG	600	810 UR	7 U
Benzene	UG/KG	60	110 UR	1 U
1,2-Dichloroethane	UG/KG	100	810 UR	7 U
Trichloroethane	UG/KG	700	810 UR	7 U
1,2-Dichloropropane	UG/KG	-	810 UR	7 U
Bromodichloromethane	UG/KG	-	810 UR	7 U
cis-1,3-Dichloropropene	UG/KG	-	810 UR	7 U
4-Methyl-2-pentanone	UG/KG	1000	1600 UR	15 U

Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria.

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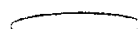
Detection Limits shown are PQL

**TABLE 1**  
**ANALYTICAL SOIL SAMPLE RESULTS**  
**HAZORB**

Location ID			HZB-15	HZB-18
Sample ID			HZB-15	HZB-18
Matrix			Soil	Soil
Depth Interval (ft.)			0.0-4.0	0.0-4.0
Date Sampled			05/16/00	05/16/00
Parameter	Units	Criteria*		
<b>Volatile Organic Analytes</b>				
Toluene	UG/KG	1500	810 UR	7 U
trans-1,3-Dichloropropene	UG/KG	-	810 UR	7 U
1,1,2-Trichloroethane	UG/KG	-	810 UR	7 U
Tetrachloroethane	UG/KG	1400	810 UR	7 U
2-Hexanone	UG/KG	-	1600 UR	15 U
Dibromochloromethane	UG/KG	-	810 UR	7 U
Chlorobenzene	UG/KG	1700	810 UR	7 U
Ethylbenzene	UG/KG	5500	810 UR	7 U
m,p-Xylene	UG/KG	1200	810 UR	7 U
o-Xylene	UG/KG	1200	810 UR	7 U
Styrene	UG/KG	-	810 UR	7 U
Bromoform	UG/KG	-	810 UR	7 U
1,1,1,2-Tetrachloroethane	UG/KG	600	810 UR	7 UJ
<b>Semivolatile Organic Analytes</b>				
bis(2-Chloroethylether)	UG/KG	-	NA	NA
Phenol	UG/KG	30 or MDL	NA	NA
2-Chlorophenol	UG/KG	800	NA	NA
1,3-Dichlorobenzene	UG/KG	1600	NA	NA
1,4-Dichlorobenzene	UG/KG	8500	NA	NA
1,2-Dichlorobenzene	UG/KG	7900	NA	NA
bis(2-Chloroisopropylether)	UG/KG	-	NA	NA
2-Methylphenol	UG/KG	100 or MDL	NA	NA

Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised)

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria

MADE BY: \_PF\_ DATE: \_3/1/01\_

CHECKED BY: \_DKF\_ DATE: \_3/2/01\_

Detection Limits shown are PQL

**TABLE 1**  
**ANALYTICAL SOIL SAMPLE RESULTS**  
**HAZORB**

Location ID			HZB-15	HZB-18
Sample ID			HZB-15	HZB-18
Matrix			Soil	Soil
Depth Interval (ft.)			0.0-4.0	0.0-4.0
Date Sampled			05/16/00	05/16/00
Parameter	Units	Criteria*		
<b>Semivolatile Organic Analytes</b>				
Hexachloroethane	UG/KG	-	NA	NA
N-Nitrosodi-N-propylamine	UG/KG	-	NA	NA
3&4-Methylphenol	UG/KG	-	NA	NA
Nitrobenzene	UG/KG	200 or MDL	NA	NA
Isophorone	UG/KG	4400	NA	NA
2-Nitrophenol	UG/KG	330 or MDL	NA	NA
2,4-Dimethylphenol	UG/KG	-	NA	NA
bis(2-Chloroethoxymethane)	UG/KG	-	NA	NA
2,4-Dichlorophenol	UG/KG	400	NA	NA
1,2,4-Trichlorobenzene	UG/KG	3400	NA	NA
Naphthalene	UG/KG	13000	NA	NA
4-Chloroaniline	UG/KG	220 or MDL	NA	NA
Hexachlorobutadiene	UG/KG	-	NA	NA
4-Chloro-3-methylphenol	UG/KG	240 or MDL	NA	NA
2-Methylnaphthalene	UG/KG	36400	NA	NA
Hexachlorocyclopentadiene	UG/KG	-	NA	NA
2,4,6-Trichlorophenol	UG/KG	-	NA	NA
2,4,5-Trichlorophenol	UG/KG	100	NA	NA
2-Chloronaphthalene	UG/KG	-	NA	NA
2-Nitroaniline	UG/KG	430 or MDL	NA	NA
Dimethylphthalate	UG/KG	2000	NA	NA
Acenaphthylene	UG/KG	41000	NA	NA

Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised)

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria.

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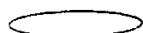
Detection Limits shown are PQL

**TABLE 1**  
**ANALYTICAL SOIL SAMPLE RESULTS**  
**HAZORB**

Location ID			HZB-15	HZB-18
Sample ID			HZB-15	HZB-18
Matrix			Soil	Soil
Depth Interval (ft.)			0.0-4.0	0.0-4.0
Date Sampled			05/16/00	05/16/00
Parameter	Units	Criteria*		
<b>Semivolatile Organic Analytes</b>				
2,6-Dinitrotoluene	UG/KG	1000	NA	NA
3-Nitroaniline	UG/KG	500 or MDL	NA	NA
Acenaphthene	UG/KG	50000	NA	NA
2,4-Dinitrophenol	UG/KG	200 or MDL	NA	NA
Dibenzofuran	UG/KG	6200	NA	NA
2,4-Dinitrotoluene	UG/KG	-	NA	NA
4-Nitrophenol	UG/KG	100 or MDL	NA	NA
Diethylphthalate	UG/KG	7100	NA	NA
Fluorene	UG/KG	50000	NA	NA
4-Chlorophenylphenylether	UG/KG	-	NA	NA
4-Nitroaniline	UG/KG	-	NA	NA
4,6-Dinitro-2-methylphenol	UG/KG	-	NA	NA
N-Nitrosodiphenylamine	UG/KG	-	NA	NA
4-Bromophenylphenylether	UG/KG	-	NA	NA
Hexachlorobenzene	UG/KG	410	NA	NA
Pentachlorophenol	UG/KG	1000 or MDL	NA	NA
Phenanthrene	UG/KG	50000	NA	NA
Anthracene	UG/KG	50000	NA	NA
Carbazole	UG/KG	-	NA	NA
di-n-Butylphthalate	UG/KG	8100	NA	NA
Fluoranthene	UG/KG	50000	NA	NA
Pyrene	UG/KG	50000	NA	NA

Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels: HWR-94-4046 January 24, 1994 (Revised).

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Concentration Exceeds Criteria.

MADE BY: \_PF\_ DATE: \_3/1/01\_

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Detection Limits shown are PQL

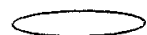


**TABLE 1**  
**ANALYTICAL SOIL SAMPLE RESULTS**  
**HAZORB**

Location ID			HZB-15	HZB-18
Sample ID			HZB-15	HZB-18
Matrix			Soil	Soil
Depth Interval (ft.)			0.0-4.0	0.0-4.0
Date Sampled			05/16/00	05/16/00
Parameter	Units	Criteria*		
<b>Semivolatile Organic Analytes</b>				
Butylbenzylphthalate	UG/KG	50000	NA	NA
Benzo(a)anthracene	UG/KG	224 or MDL	NA	NA
3,3'-Dichlorobenzidine	UG/KG	-	NA	NA
Chrysene	UG/KG	400	NA	NA
bis(2-Ethylhexyl)phthalate	UG/KG	50000	NA	NA
di-n-Octylphthalate	UG/KG	50000	NA	NA
Benzo(b)fluoranthene	UG/KG	1100	NA	NA
Benzo(k)fluoranthene	UG/KG	1100	NA	NA
Benzo(a)pyrene	UG/KG	61 or MDL	NA	NA
Indeno(1,2,3-cd)pyrene	UG/KG	3200	NA	NA
Dibenz(a,h)anthracene	UG/KG	14 or MDL	NA	NA
Benzo(g,h,i)perylene	UG/KG	50000	NA	NA
<b>Pesticides</b>				
alpha-BHC	UG/KG	110	NA	NA
beta-BHC	UG/KG	200	NA	NA
gamma-BHC (Lindane)	UG/KG	60	NA	NA
delta-BHC	UG/KG	300	NA	NA
Heptachlor	UG/KG	100	NA	NA
Aldrin	UG/KG	41	NA	NA
Heptachlor epoxide	UG/KG	20	NA	NA
alpha-Chlordane	UG/KG	-	NA	NA
Endosulfan I	UG/KG	900	NA	NA

Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels; HWR-94-4046 January 24, 1994 (Revised).

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria.

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Detection Limits shown are PQL

**TABLE 1**  
**ANALYTICAL SOIL SAMPLE RESULTS**  
**HAZORB**

Location ID			HZB-15	HZB-18
Sample ID			HZB-15	HZB-18
Matrix			Soil	Soil
Depth Interval (ft.)			0.0-4.0	0.0-4.0
Date Sampled			05/16/00	05/16/00
Parameter	Units	Criteria*		
<b>Pesticides</b>				
gamma-Chlordane	UG/KG	540	NA	NA
4,4'-DDE	UG/KG	2100	NA	NA
Dieldrin	UG/KG	44	NA	NA
Endrin	UG/KG	100	NA	NA
Endosulfan II	UG/KG	900	NA	NA
4,4'-DDD	UG/KG	2900	NA	NA
Endrin ketone	UG/KG	-	NA	NA
Endrin aldehyde	UG/KG	-	NA	NA
Endosulfan sulfate	UG/KG	1000	NA	NA
4,4'-DDT	UG/KG	2100	NA	NA
Methoxychlor	UG/KG	-	NA	NA
Toxaphene	UG/KG	-	NA	NA
<b>PCBs</b>				
Aroclor 1016	UG/KG	-	NA	NA
Aroclor 1221	UG/KG	-	NA	NA
Aroclor 1232	UG/KG	-	NA	NA
Aroclor 1242	UG/KG	-	NA	NA
Aroclor 1248	UG/KG	-	NA	NA
Aroclor 1254	UG/KG	-	NA	NA
Aroclor 1260	UG/KG	-	NA	NA
<b>Metals</b>				
Arsenic	MG/KG	7.5 or SB	NA	NA

Criteria- NYSDEC TAGM, Determination of Soil Cleanup Objectives and Cleanup Levels: HWR-94-4046 January 24, 1994 (Revised)

Flags assigned during chemistry validation are shown:

 Concentration Exceeds Criteria

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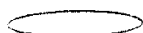
Detection Limits shown are PQL

**TABLE 1**  
**ANALYTICAL SOIL SAMPLE RESULTS**  
**HAZORB**

Location ID			HZB-15	HZB-18
Sample ID			HZB-15	HZB-18
Matrix			Soil	Soil
Depth Interval (ft.)			0.0-4.0	0.0-4.0
Date Sampled			05/16/00	05/16/00
Parameter	Units	Criteria*		
<b>Metals</b>				
Barium	MG/KG	300 or SB	NA	NA
Cadmium	MG/KG	1	NA	NA
Chromium	MG/KG	10	NA	NA
Lead	MG/KG	400 *	NA	NA
Mercury	MG/KG	0.1	NA	NA
Selenium	MG/KG	2 or SB	NA	NA
Silver	MG/KG	SB	NA	NA

\*Criteria- NYSDEC TAGM: Determination of Soil Cleanup Objectives and Cleanup Levels: HWR-94-404E January 24, 1994 (Revised)

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria

MADE BY: \_PF\_ DATE: \_3/1/01\_

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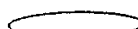
Detection Limits shown are PQL

**TABLE 2**  
**ANALYTICAL GROUNDWATER SAMPLE RESULTS**  
**HAZORB**

Location ID			HZB-18
Sample ID			HZB-W-18
Matrix			Groundwater
Depth Interval (ft.)			-
Date Sampled			05/16/00
Parameter	Units	Criteria*	
<b>Volatile Organic Analytes</b>			
Chloromethane	UG/L	5	5 U
Vinyl chloride	UG/L	2	2 U
Chloroethane	UG/L	5	5 U
Bromomethane	UG/L	5	5 U
1,1-Dichloroethene	UG/L	5	5 U
Acetone	UG/L	50	5 J
Carbon disulfide	UG/L	60	5 U
Methylene chloride	UG/L	5	5 U
trans-1,2-Dichloroethene	UG/L	5	5 U
1,1-Dichloroethane	UG/L	5	5 U
cis-1,2-Dichloroethene	UG/L	5	5 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	25 U
Chloroform	UG/L	7	5 U
1,1,1-Trichloroethane	UG/L	5	5 U
Carbon tetrachloride	UG/L	5	5 U
Benzene	UG/L	1	0.7 U
1,2-Dichloroethane	UG/L	0.6	5 U
Trichloroethane	UG/L	-	5 U
1,2-Dichloropropane	UG/L	1	5 U
Bromodichloromethane	UG/L	50	5 U
cis-1,3-Dichloropropene	UG/L	0.4	5 U
4-Methyl-2-pentanone	UG/L	-	10 U

Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998 (includes 4/2000 Addendum). Class GA.

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 Concentration Exceeds Criteria.

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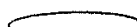
Detection Limits shown are PQL

**TABLE 2**  
**ANALYTICAL GROUNDWATER SAMPLE RESULTS**  
**HAZORB**

Location ID			HZB-18
Sample ID			HZB-W-18
Matrix			Groundwater
Depth Interval (ft.)			-
Date Sampled			05/16/00
Parameter	Units	Criteria*	
<b>Volatile Organic Analytes</b>			
Toluene	UG/L	5	5 U
trans-1,3-Dichloropropene	UG/L	0.4	5 U
1,1,2-Trichloroethane	UG/L	1	5 U
Tetrachloroethane	UG/L	-	5 U
2-Hexanone	UG/L	50	10 U
Dibromochloromethane	UG/L	50	5 U
Chlorobenzene	UG/L	5	5 U
Ethylbenzene	UG/L	5	5 U
m,p-Xylene	UG/L	5	5 U
o-Xylene	UG/L	5	5 U
Styrene	UG/L	5	5 U
Bromoform	UG/L	50	5 U
1,1,2,2-Tetrachloroethane	UG/L	5	5 U

Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998 (includes 4/2000 Addendum). Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria.

MADE BY: \_PF\_ DATE: \_3/1/01\_

CHECKED BY: \_DKF\_ DATE: \_3/2/01\_

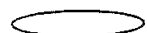
Detection Limits shown are PQL

**TABLE 3**  
**ANALYTICAL SURFACE WATER SAMPLE RESULTS**  
**HAZORB**

Location ID			HZB-06A	HZB-06A	HZB-06B	HZB-09
Sample ID			HZB-06A	HZB-06A	HZ-06B	HZB-09
Matrix			Surface Water	Surface Water	Surface Water	Surface Water
Depth Interval (ft.)			-	-	-	-
Date Sampled			05/16/00	05/25/00	05/16/00	05/16/00
Parameter	Units	Criteria*				
Volatile Organic Analytes						
Chloromethane	UG/L	5	5 U	NA	5 U	5 U
Vinyl chloride	UG/L	2	2 U	NA	2 U	2 U
Chloroethane	UG/L	5	5 U	NA	5 U	5 U
Bromomethane	UG/L	5	5 U	NA	5 U	5 U
1,1-Dichloroethene	UG/L	5	5 U	NA	5 U	5 U
Acetone	UG/L	50	10 J	NA	13 J	25 U
Carbon disulfide	UG/L	60	5 U	NA	5 U	5 U
Methylene chloride	UG/L	5	5 U	NA	5 U	5 U
trans-1,2-Dichloroethene	UG/L	5	5 U	NA	5 U	5 U
1,1-Dichloroethane	UG/L	5	5 U	NA	5 U	5 U
cis-1,2-Dichloroethene	UG/L	5	5 U	NA	5 U	5 U
Methyl ethyl ketone (2-Butanone)	UG/L	50	25 U	NA	25 U	25 U
Chloroform	UG/L	7	5 U	NA	5 U	5 U
1,1,1-Trichloroethane	UG/L	5	5 U	NA	5 U	5 U
Carbon tetrachloride	UG/L	5	5 U	NA	5 U	5 U
Benzene	UG/L	1	0.7 U	NA	0.7 U	0.7 U
1,2-Dichloroethane	UG/L	0.6	5 U	NA	5 U	5 U
Trichloroethane	UG/L	-	5 U	NA	5 U	5 U
1,2-Dichloropropane	UG/L	1	5 U	NA	5 U	5 U
Bromodichloromethane	UG/L	50	5 U	NA	5 U	5 U
cis-1,3-Dichloropropene	UG/L	0.4	5 U	NA	5 U	5 U
4-Methyl-2-pentanone	UG/L	-	10 U	NA	10 U	10 U

Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998 (includes 4/2000 Addendum). Class GA.

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria.

MADE BY: \_PF\_ DATE: \_3/1/01\_

CHECKED BY: \_DKF\_ DATE: \_3/2/01\_

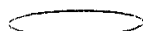
Detection Limits shown are PQL

**TABLE 3**  
**ANALYTICAL SURFACE WATER SAMPLE RESULTS**  
**HAZORB**

Location ID			HZB-06A	HZB-06A	HZB-06B	HZB-09
Sample ID			HZB-06A	HZB-06A	HZ-06B	HZB-09
Matrix			Surface Water	Surface Water	Surface Water	Surface Water
Depth Interval (ft.)			-	-	-	-
Date Sampled			05/16/00	05/25/00	05/16/00	05/16/00
Parameter	Units	Criteria*				
<b>Volatile Organic Analytes</b>						
Toluene	UG/L	5	4 J	NA	5 U	5 U
trans-1,3-Dichloropropene	UG/L	0.4	5 U	NA	5 U	5 U
1,1,2-Trichloroethane	UG/L	1	5 U	NA	5 U	5 U
Tetrachloroethane	UG/L	-	5 U	NA	5 U	5 U
2-Hexanone	UG/L	50	10 U	NA	10 U	10 U
Dibromochloromethane	UG/L	50	5 U	NA	5 U	5 U
Chlorobenzene	UG/L	5	5 U	NA	5 U	5 U
Ethylbenzene	UG/L	5	5 U	NA	5 U	5 U
m,p-Xylene	UG/L	5	2 J	NA	5 U	5 U
o-Xylene	UG/L	5	5 U	NA	5 U	5 U
Styrene	UG/L	5	5 U	NA	5 U	5 U
Bromoform	UG/L	50	5 U	NA	5 U	5 U
1,1,2,2-Tetrachloroethane	UG/L	5	5 U	NA	5 U	5 U
<b>Semivolatile Organic Analytes</b>						
bis(2-Chloroethylether)	UG/L	1	NA	5 U	NA	5 U
Phenol	UG/L	1	NA	5 U	NA	5 U
2-Chlorophenol	UG/L	1	NA	5 U	NA	5 U
1,3-Dichlorobenzene	UG/L	3	NA	5 U	NA	5 U
1,4-Dichlorobenzene	UG/L	3	NA	5 U	NA	5 U
1,2-Dichlorobenzene	UG/L	3	NA	5 U	NA	5 U
bis(2-Chloroisopropylether)	UG/L	50	NA	5 U	NA	5 U
2-Methylphenol	UG/L	1	NA	5 U	NA	5 U

Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998 (includes 4/2000 Addendum) Class GA

Flags assigned during chemistry validation are shown.



Concentration Exceeds Criteria.

MADE BY: \_PF\_ DATE: \_3/1/01\_

CHECKED BY: \_DKF\_ DATE: \_3/2/01\_

Detection Limits shown are PQL

**TABLE 3**  
**ANALYTICAL SURFACE WATER SAMPLE RESULTS**  
**HAZORB**

Location ID			HZB-06A	HZB-06A	HZB-06B	HZB-09
Sample ID			HZB-06A	HZB-06A	HZ-06B	HZB-09
Matrix			Surface Water	Surface Water	Surface Water	Surface Water
Depth Interval (ft.)			-	-	-	-
Date Sampled			05/16/00	05/25/00	05/16/00	05/16/00
Parameter	Units	Criteria*				
<b>Semivolatile Organic Analytes</b>						
Hexachloroethane	UG/L	5	NA	5 U	NA	5 U
N-Nitrosodi-N-propylamine	UG/L	50	NA	5 U	NA	5 U
3&4-Methylphenol	UG/L	1	NA	5 U	NA	5 U
Nitrobenzene	UG/L	0.4	NA	5 U	NA	5 U
Isophorone	UG/L	50	NA	5 U	NA	5 U
2-Nitrophenol	UG/L	1	NA	5 U	NA	5 U
2,4-Dimethylphenol	UG/L	50	NA	5 U	NA	5 U
bis(2-Chloroethoxymethane)	UG/L	5	NA	5 U	NA	5 U
2,4-Dichlorophenol	UG/L	5	NA	5 U	NA	5 U
1,2,4-Trichlorobenzene	UG/L	5	NA	5 U	NA	5 U
Naphthalene	UG/L	10	NA	5 U	NA	5 U
4-Chloroaniline	UG/L	5	NA	10 U	NA	10 U
Hexachlorobutadiene	UG/L	0.5	NA	5 U	NA	5 U
4-Chloro-3-methylphenol	UG/L	1	NA	10 U	NA	10 U
2-Methylnaphthalene	UG/L	-	NA	5 U	NA	5 U
Hexachlorocyclopentadiene	UG/L	5	NA	5 U	NA	5 U
2,4,6-Trichlorophenol	UG/L	1	NA	5 U	NA	5 U
2,4,5-Trichlorophenol	UG/L	1	NA	5 U	NA	5 U
2-Chloronaphthalene	UG/L	10	NA	5 U	NA	5 U
2-Nitroaniline	UG/L	5	NA	20 U	NA	20 U
Dimethylphthalate	UG/L	50	NA	5 U	NA	5 U
Acenaphthylene	UG/L	50	NA	5 U	NA	5 U

\*Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1996 (includes 4/2000 Addendum) Class GA

Flags assigned during chemistry validation are shown:



Concentration Exceeds Criteria.

MADE BY: \_PF\_ DATE: \_3/1/01\_

CHECKED BY: \_DKF\_ DATE: \_3/2/01\_

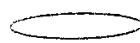
Detection Limits shown are PQL



**TABLE 3**  
**ANALYTICAL SURFACE WATER SAMPLE RESULTS**  
**HAZORB**

Location ID			HZB-06A	HZB-06A	HZB-06B	HZB-09
Sample ID			HZB-06A	HZB-06A	HZ-06B	HZB-09
Matrix			Surface Water	Surface Water	Surface Water	Surface Water
Depth Interval (ft.)			-	-	-	-
Date Sampled			05/16/00	05/25/00	05/16/00	05/16/00
Parameter	Units	Criteria*				
<b>Semivolatile Organic Analytes</b>						
2,6-Dinitrotoluene	UG/L	5	NA	5 U	NA	5 U
3-Nitroaniline	UG/L	5	NA	20 U	NA	20 U
Acenaphthene	UG/L	20	NA	5 U	NA	5 U
2,4-Dinitrophenol	UG/L	10	NA	20 U	NA	20 U
Dibenzofuran	UG/L	50	NA	5 U	NA	5 U
2,4-Dinitrotoluene	UG/L	5	NA	5 U	NA	5 U
4-Nitrophenol	UG/L	1	NA	20 U	NA	20 U
Diethylphthalate	UG/L	50	NA	5 U	NA	5 U
Fluorene	UG/L	50	NA	5 U	NA	5 U
4-Chlorophenylphenylether	UG/L	50	NA	5 U	NA	5 U
4-Nitroaniline	UG/L	5	NA	20 U	NA	20 U
4,6-Dinitro-2-methylphenol	UG/L	1	NA	20 U	NA	20 U
N-Nitrosodiphenylamine	UG/L	50	NA	5 U	NA	5 U
4-Bromophenylphenylether	UG/L	50	NA	5 U	NA	5 U
Hexachlorobenzene	UG/L	0.04	NA	5 U	NA	5 U
Pentachlorophenol	UG/L	1	NA	20 U	NA	20 U
Phenanthrene	UG/L	50	NA	5 U	NA	5 U
Anthracene	UG/L	50	NA	5 U	NA	5 U
Carbazole	UG/L	50	NA	5 U	NA	NA
di-n-Butylphthalate	UG/L	50	NA	5 U	NA	5 U
Fluoranthene	UG/L	50	NA	5 U	NA	5 U
Pyrene	UG/L	50	NA	5 U	NA	5 U

Criteria- NYSDEC TOQS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998 (includes 4/2000 Addendum), Class GA  
 Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria.

MADE BY: \_PF\_ DATE: \_3/1/01\_

CHECKED BY: \_DKF\_ DATE: \_3/2/01\_

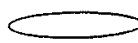
Detection Limits shown are PQL

**TABLE 3**  
**ANALYTICAL SURFACE WATER SAMPLE RESULTS**  
**HAZORB**

Location ID			HZB-06A	HZB-06A	HZB-06B	HZB-09
Sample ID			HZB-06A	HZB-06A	HZ-06B	HZB-09
Matrix			Surface Water	Surface Water	Surface Water	Surface Water
Depth Interval (ft.)			-	-	-	-
Date Sampled			05/16/00	05/25/00	05/16/00	05/16/00
Parameter	Units	Criteria*				
<b>Semivolatile Organic Analytes</b>						
Butylbenzylphthalate	UG/L	50	NA	5 U	NA	5 U
Benzo(a)anthracene	UG/L	0.002	NA	5 U	NA	5 U
3,3'-Dichlorobenzidine	UG/L	5	NA	10 U	NA	10 U
Chrysene	UG/L	0.002	NA	5 U	NA	5 U
bis(2-Ethylhexyl)phthalate	UG/L	5	NA	5 U	NA	5 U
di-n-Octylphthalate	UG/L	50	NA	5 U	NA	5 U
Benzo(b)fluoranthene	UG/L	0.002	NA	5 U	NA	5 U
Benzo(k)fluoranthene	UG/L	0.002	NA	5 U	NA	5 U
Benzo(a)pyrene	UG/L	-	NA	5 U	NA	5 U
Indeno(1,2,3-cd)pyrene	UG/L	0.002	NA	5 U	NA	5 U
Dibenz(a,h)anthracene	UG/L	50	NA	5 U	NA	5 U
Benzo(g,h,i)perylene	UG/L	50	NA	5 U	NA	5 U
<b>Pesticides</b>						
alpha-BHC	UG/L	0.01	0.05 U	NA	NA	0.05 U
beta-BHC	UG/L	0.04	0.05 U	NA	NA	0.05 U
gamma-BHC (Lindane)	UG/L	0.05	0.05 U	NA	NA	0.05 U
delta-BHC	UG/L	0.04	0.05 U	NA	NA	0.05 U
Heptachlor	UG/L	0.04	0.05 U	NA	NA	0.05 U
Aldrin	UG/L	-	0.05 U	NA	NA	0.05 U
Heptachlor epoxide	UG/L	0.03	0.05 U	NA	NA	0.05 U
alpha-Chlordane	UG/L	0.05	0.05 U	NA	NA	0.05 U
Endosulfan I	UG/L	50	0.05 U	NA	NA	0.05 U

Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998 (includes 4/2000 Addendum). Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria.

MADE BY: \_PF\_ DATE: \_3/1/01\_

CHECKED BY: \_DKF\_ DATE: \_3/2/01\_


Detection Limits shown are PQL

**TABLE 3**  
**ANALYTICAL SURFACE WATER SAMPLE RESULTS**  
**HAZORB**

Location ID			HZB-06A	HZB-06A	HZB-06B	HZB-09
Sample ID			HZB-06A	HZB-06A	HZ-06B	HZB-09
Matrix			Surface Water	Surface Water	Surface Water	Surface Water
Depth Interval (ft.)			-	-	-	-
Date Sampled			05/16/00	05/25/00	05/16/00	05/16/00
Parameter	Units	Criteria*				
<b>Pesticides</b>						
gamma-Chlordane	UG/L	0.05	0.05 U	NA	NA	0.05 U
4,4'-DDE	UG/L	0.2	0.05 U	NA	NA	0.05 U
Dieldrin	UG/L	0.004	0.05 U	NA	NA	0.05 U
Endrin	UG/L	-	0.05 U	NA	NA	0.12 J
Endosulfan II	UG/L	50	0.05 U	NA	NA	0.05 U
4,4'-DDD	UG/L	0.3	0.05 U	NA	NA	0.05 U
Endrin ketone	UG/L	5	0.05 U	NA	NA	0.05 U
Endrin aldehyde	UG/L	5	0.05 U	NA	NA	0.05 U
Endosulfan sulfate	UG/L	50	0.05 U	NA	NA	0.05 U
4,4'-DDT	UG/L	0.2	0.05 U	NA	NA	0.05 U
Methoxychlor	UG/L	35	0.05 U	NA	NA	0.05 U
Toxaphene	UG/L	0.06	0.5 U	NA	NA	0.5 U
<b>PCBs</b>						
Aroclor 1016	UG/L	0.09	0.1 U	NA	NA	0.1 U
Aroclor 1221	UG/L	0.09	0.2 U	NA	NA	0.2 U
Aroclor 1232	UG/L	0.09	0.1 U	NA	NA	0.1 U
Aroclor 1242	UG/L	0.09	0.1 U	NA	NA	0.1 U
Aroclor 1248	UG/L	0.09	0.1 U	NA	NA	0.1 U
Aroclor 1254	UG/L	0.09	0.1 U	NA	NA	0.1 U
Aroclor 1260	UG/L	0.09	0.1 U	NA	NA	0.1 U
<b>Metals</b>						
Arsenic	MG/L	-	0.002 U	NA	NA	0.005

Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998 (includes 4/2000 Addendum), Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria.

MADE BY: \_PF\_ DATE: \_3/1/01\_

CHECKED BY: \_DKF\_ DATE: \_3/2/01\_

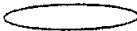
Detection Limits shown are PQL

**TABLE 3**  
**ANALYTICAL SURFACE WATER SAMPLE RESULTS**  
**HAZORB**

Location ID			HZB-06A	HZB-06A	HZB-06B	HZB-09
Sample ID			HZB-06A	HZB-06A	HZ-06B	HZB-09
Matrix			Surface Water	Surface Water	Surface Water	Surface Water
Depth Interval (ft.)			-	-	-	-
Date Sampled			05/16/00	05/25/00	05/16/00	05/16/00
Parameter	Units	Criteria*				
<b>Metals</b>						
Barium	MG/L	-	0.016	NA	NA	0.016 U
Cadmium	MG/L	-	0.0050 U	NA	NA	0.008
Chromium	UG/L	50	10.0 UJ	NA	NA	10.0 UJ
Lead	MG/L	-	0.013	NA	NA	0.015
Mercury	MG/L	-	0.0002 U	NA	NA	0.0002 U
Selenium	MG/L	-	0.002 UJ	NA	NA	0.002 UJ
Silver	MG/L	-	R	NA	NA	R
<b>Miscellaneous Parameters</b>						
Cyanide	UG/L	200	0.013	NA	NA	10.0 U

Criteria- NYSDEC TOGS (1.1.1), Ambient Water Quality Standards and Guidance Values and Groundwater Effluent Limitations, June 1998 (includes 4/2000 Addendum). Class GA.

Flags assigned during chemistry validation are shown.

 Concentration Exceeds Criteria.

MADE BY: \_PF\_ DATE: \_3/1/01\_

CHECKED BY: \_DKF\_ DATE: \_3/2/01\_

Detection Limits shown are PQL

### **III. DATA DELIVERABLE COMPLETENESS**

The laboratory deliverable data packages were prepared in accordance with NYSDEC ASP Category B requirements. The data packages were complete and complied with these requirements, except that the laboratory did not submit VOC and SVOC tentatively identified compound (TIC) results, nor did they perform library searches.

### **IV. HOLDING TIMES**

All analyses were performed within NYSDEC contractual and USEPA Region II technical holding time criteria.

### **V. QUALITY CONTROL DATA**

#### **A. Quality Control (QC) Blanks**

The RCRA metals calibration blank (associated with the soil samples) exhibited chromium contamination, but required no further qualification because the soil results were several orders of magnitude greater than the calibration blank. The VOC, SVOC, pesticide, PCB and cyanide QC blanks did not exhibit any contamination. Copies of the QC blank forms (i.e., Form 3) are presented in Attachment 2 – Support Documentation.

#### **B. Instrument Tune Criteria**

All method instrument tune criteria were met for all VOC and SVOC analyses.

#### **C. Initial and Continuing Calibrations**

The VOC initial calibration (ICAL) associated with the soil sample HZB-1-RE exceeded the USEPA Region II percent relative standard deviation (%RSD) QC limit of 30.0% RSD for acetone (30.4%). The VOC continuing calibration

(CCAL) associated with the soil sample HZB-1-RE exceeded the USEPA Region II percent difference (%D) QC limit of 25%D for carbon tetrachloride (26.0%). Copies of the ICAL and CCAL forms (i.e., Forms 6 and 7) are presented in Attachment 2 – Support Documentation. Following USEPA Region II validation guidelines, the acetone and carbon tetrachloride results for soil sample HZB-1-RE were qualified as estimated (“J” and “UJ”, respectively). It should be noted that all method criteria were met.

The SVOC CCAL associated with the soil samples HZ-1 and HZ-5 exceeded the USEPA Region II %D QC limit of 25%D for hexachlorocyclopentadiene (25.9%). A copy of the CCAL form (i.e., Form 7) is presented in Attachment 2 – Support Documentation. Following USEPA Region II validation guidelines, the non-detect results for hexachlorocyclopentadiene were qualified as estimated (“UJ”). It should be noted that all method criteria were met.

The pesticide CCAL associated with surface water sample HZB-9 exceeded the USEPA Region II %D QC limit of 25.0%D for endrin (25.1%). A copy of the CCAL form (i.e., Form 7) is presented in Attachment 2 – Support Documentation. Following USEPA Region II validation guidelines, the detected result was qualified as estimated (“J”). It should be noted that all method criteria were met.

All PCB, metals, and cyanide ICALs and CCALs were compliant with method requirements and USEPA Region II validation criteria.

#### D. Surrogate/Internal Standard Recoveries

The SVOC analyses of soil samples HZ-6 and HZ-8 exhibited surrogate recoveries below the QC limits, as specified in Method SW8260B, for one or more of the following surrogates: nitrobenzene-d<sub>5</sub>, 2-fluorobiphenyl, phenol-d<sub>5</sub>, 2-fluorophenol, and 2,4,6-tribromophenol. The low recoveries were due to sample dilution. No further data qualification was necessary.

The initial VOC analyses of soil samples HZB-3 and HZB-18 exhibited severe RT shift (i.e., >0.5 minutes) for internal standards (ISs) pentafluorobenzene, 1,4-difluorobenzene, and chlorobenzene-d<sub>5</sub>, as well as low IS recoveries (i.e., <50%) for chlorobenzene-d<sub>5</sub> and/or 1,4-dichlorobenzene-d<sub>4</sub>. The samples were reanalyzed with no significant IS RT shift, but still exhibited low recoveries for chlorobenzene-d<sub>5</sub> and/or 1,4-dichlorobenzene-d<sub>4</sub>. Following USEPA Region II validation guidelines, the associated non-detect results for soil samples HZB-3 and HZB-18 were qualified as estimated ("UJ"). Copies of IS forms (i.e., Form 8) are presented in Attachment 2 – Support Documentation.

The initial SVOC analysis of soil samples HZ-2, HZ-3, HZ-4, HZ-6, and HZB-3 exhibited a low IS recovery for perylene-d<sub>12</sub>. The IS recovery for sample HZ-4 was <25%. The samples were not reanalyzed, contrary to method requirements, except for sample HZB-3. Sample HZB-3 was reanalyzed at a secondary dilution (with acceptable IS recoveries) due to high levels of target analytes. Following USEPA Region II validation guidelines, the associated results were qualified as estimated ("J/UJ"), except for the non-detect results for sample HZ-4 which were rejected ("R") due to poor recovery. Copies of IS forms (i.e., Form 8) are presented in Attachment 2 – Support Documentation.

The SVOC analysis of soil sample HZB-2 exhibited low IS recoveries for 1,4-dichlorobenzene-d<sub>4</sub>, naphthalene-d<sub>10</sub>, chrysene-d<sub>12</sub>, and perylene-d<sub>12</sub>. The sample was reanalyzed at a secondary dilution (with acceptable IS recoveries) due to high levels of target analytes. Following USEPA Region II validation guidelines, the associated results were qualified as estimated ("J/UJ"). Copies of IS forms (i.e., Form 8) are presented in Attachment 2 – Support Documentation.

All other surrogate and IS recoveries were within the QC limits specified in the methods.

E. Matrix Spike/Matrix Spike Duplicate Analyses

No matrix spike/matrix spike duplicate (MS/MSD) analyses were requested on the chain-of-custodies (COCs), nor did the laboratory perform batch matrix QC, except for a MS for mercury which exhibited a recovery within USEPA Region II and method QC limits.

F. Matrix Duplicates (Metals Only)

The laboratory performed matrix duplicate analysis for mercury (Hg) only. The matrix duplicate result for Hg was within USEPA Region II and method QC limits.

G. Laboratory Control Samples

The laboratory control sample (LCS) results for all fractions were within USEPA Region II and method QC limits.

H. Contract Required Detection Limit Standards (Metals Only)

The contract required detection limit (CRDL) standards were within USEPA Region II limits (i.e., 80-120%), except for the CRDL standards associated with the surface water samples, which exhibited low %R for cadmium (Cd), chromium (Cr), and silver (Ag); and the CRDL standards associated with the soil samples, which exhibited a high %R for Cr and a low %R for Ag. Following USEPA Region II validation guidelines, all non-detect surface water results for Cd and Cr were qualified as estimated ("UJ"). The non-detect Ag results for the surface water samples were rejected ("R") due to poor recovery (<50%), while the non-detect soil results for Ag were qualified as estimated ("UJ"). No further qualification was necessary for the soil Cr results because they were greater than the true value  $\pm 2$  times the CRDL (i.e., 4 mg/kg). Copies of CRDL forms (i.e., Form 2B) are presented in Attachment 2 – Support Documentation.

All other metals were within the applicable USEPA Region II QC limits, and no



I. Serial Dilutions (Metals Only)

The inductively coupled plasma (ICP) serial dilution results associated with the soil samples were within method and USEPA Region II QC limits.

VI. **SAMPLE RESULTS**

A. Sample Receipt and Preservation

All samples were received intact at the laboratory, under proper chain-of-custody, and at proper temperature, except for the following instance. The SVOC container for surface water sample HZB-6A was received broken at the laboratory. This sample was recollected on May 25, 2001.

B. Raw Data vs. Reporting Forms

The final results as listed on the reporting forms were in agreement with the raw data, and no transcription/calculation errors were detected, other than minor rounding errors.

C. Sample Dilutions

The VOC analysis of soil sample HZB-15 was performed at a medium level with no target analytes detected. The laboratory indicated that no low-level analysis was performed due to elevated levels of non-target analytes present in the sample (e.g., naphthalene). Consequently, the results were rejected ("R") due to over dilution.

The SVOC analyses for soil samples HZB-2, HZB-3, HZ-6, and HZ-8 required secondary dilutions for several target compounds (i.e., polynuclear aromatic hydrocarbons).

hydrocarbons).

All soil pesticide and PCB analyses (except samples HZ-8 and HZ-6) were inadvertently performed at a dilution factor (DF) of 10 by the laboratory. This was an oversight by the laboratory. Soil sample HZ-8 was inadvertently analyzed at a DF of 20. The sample chromatography did not appear to warrant the elevated DFs. Soil sample HZ-6 was analyzed at a DF of 100 due to the presence of matrix interference.

The RCRA metals analyses for soil samples HZ-1 and HZB-3 were analyzed at a DF of 20 for selenium (Se) due to high levels of non-target analytes [i.e., aluminum (Al)] present in the samples.

#### D. Quantitation Limits

All quantitation limits were reported in accordance with method requirements (i.e., based upon the low point of the ICAL), and were adjusted accordingly for dilution factors, where applicable, except for the following instances.

The benzene results for all analyses were based upon the method detection limit (MDL) of 0.4 to 0.7 parts per billion ( $\mu\text{g}/\text{kg}$  or  $\mu\text{g}/\text{L}$ ), rather than the method quantitation limit of 5 parts per billion (ppb). The laboratory's lowest calibration standard is 1 ppb. The MDL was reported by the laboratory in order to meet NYSDEC cleanup objectives for soil and water.

The pesticide and PCB quantitation limits were elevated above project-specific action limits (i.e., NYSDEC TAGM 4046, January 1994) for aldrin, heptachlor epoxide, gamma-chlordane, and dieldrin, due to sample dilution. These results are considered usable since these parameters are not major contaminants of concern.

The arsenic (As) and Se detection limits for all soil samples are above the NYSDEC TAGM 4046 action limits of 7.5 mg/kg and 2 mg/kg, respectively. The

laboratory should have analyzed the samples using a more sensitive method (i.e., graphite furnace) in order to meet project-specific criteria. These results are considered usable since these parameters are not major contaminants of concern.

Several organic results were qualified "J" by the laboratory indicating an estimated concentration below the quantitation limits.

E. Chromatography

No chromatography problems were encountered, except for the pesticide and PCB analysis of soil sample HZ-6 which was analyzed at a DF of 100 due to the presence of matrix interference.

## VII. SUMMARY

All sample analyses were found to be compliant with the method criteria, except where previously noted. Those results qualified "J"/"UJ" (estimated) are considered conditionally usable, while those results qualified "R" are considered unusable. URS Corporation does not recommend recollection or reanalysis of any samples at this time.

**ATTACHMENT 1**  
**LABORATORY SUMMARY FORMS**  
**(FORM Is)**

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HZB-1

Lab Name: FRIEND LABORATORY, INC.

Contract: \_\_\_\_\_

Lab Code: 10252

Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_

SDG No: HAZORB

Matrix: (soil/water) SOIL

Lab Sample ID: L50180-1

Sample wt/vol: 5.1 (g/ml) G

Lab File ID: C0845.D

Level: (low/med) LOW

Date Received: 05/17/00

% Moisture: not dec. 19.9

Date Analyzed: 05/22/00

GC Column: RTX-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	6	U
75-01-4	Vinyl Chloride	2	U
74-82-9	Bromomethane	6	U
75-00-3	Chloroethane	6	U
75-35-4	1,1-Dichloroethene	6	U
67-64-1	Acetone	31	U
75-15-0	Carbon Disulfide	6	U
75-09-2	Methylene Chloride	3	U
156-60-5	trans-1,2-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
156-59-2	cis-1,2-Dichloroethene	6	U
78-93-3	MEK (2-Butanone)	31	U
67-66-3	Chloroform	6	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
71-43-2	Benzene	0.4	U
107-06-2	1,2-Dichloroethane	6	U
79-01-6	Trichloroethene	6	U
78-87-5	1,2-Dichloropropane	6	U
75-27-4	Bromodichloromethane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
108-10-1	MIBK (4-Methyl-2-pentanone)	12	U
108-88-3	Toluene	6	U
10061-02-6	trans-1,3-Dichloropropene	6	U
79-00-5	1,1,2-Trichloroethane	6	U
127-18-4	Tetrachloroethene	6	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	6	U
1330-20-7	p-Xylene	6	U
95-47-5	o-Xylene	6	U
100-42-5	Styrene	6	U
75-25-2	Bromoforn	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HZB-1 RE

Lab Name: FRIEND LABORATORY, INC.

Contract:

Lab Code: 10252

Case No.:

SAS No.:

SDG No.: HAZDRB

Matrix: (soil/water) SOIL

Lab Sample ID: L50180-1

Sample wt/vol: 5.0 (g/ml) G

Lab File ID: C0957.D

Level: (low/med) LOW

Date Received: 05/17/00

% Moisture: not dec. 19.9

Date Analyzed: 05/31/00

GC Column: RTX-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	8	U
75-01-4	Vinyl Chloride	2	U
74-82-9	Bromomethane	6	U
75-00-3	Chloroethane	6	U
75-35-4	1,1-Dichloroethene	6	U
67-64-1	Acetone	8	U
75-15-0	Carbon Disulfide	6	U
75-09-2	Methylene Chloride	12	U
156-60-5	trans-1,2-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
156-59-2	cis-1,2-Dichloroethene	6	U
78-93-3	MEK (2-Butanone)	6	U
67-66-3	Chloroform	8	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
71-43-2	Benzene	0.8	U
107-06-2	1,2-Dichloroethane	6	U
79-01-6	Trichloroethene	6	U
78-87-5	1,2-Dichloropropane	8	U
75-27-4	Bromodichloromethane	6	U
10061-01-5	cis-1,3-Dichloropropene	6	U
108-10-1	MIBK (4-Methyl-2-pentanone)	12	U
108-88-3	Toluene	6	U
10061-02-6	trans-1,3-Dichloropropene	6	U
79-00-5	1,1,2-Trichloroethane	8	U
127-18-4	Tetrachloroethene	6	U
591-78-6	2-Hexanone	12	U
124-48-1	Dibromochloromethane	6	U
108-90-7	Chlorobenzene	6	U
100-41-4	Ethylbenzene	8	U
1330-20-7	p-Xylene/m-Xylene	6	U
95-47-6	o-Xylene	8	U
100-42-5	Styrene	6	U
75-25-2	Bromoform	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U

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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HZB-2

Lab Name: FRIEND LABORATORY, INC.

Contract: \_\_\_\_\_

Lab Code: 10252

Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_

SDG No.: HAZORB

Matrix: (soil/water) SOIL

Lab Sample ID: L50180-2

Sample wt/vol: 5.1 (g/ml) G

Lab File ID: C0846.D

Level: (low/med) LOW

Date Received: 05/17/00

% Moisture: not dec. 26

Date Analyzed: 05/22/00

GC Column: RTX-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	7	U
75-01-4	Vinyl Chloride	3	U
74-82-9	Bromomethane	7	U
75-00-3	Chloroethane	7	U
75-35-4	1,1-Dichloroethene	7	U
67-64-1	Acetone	33	U
75-15-0	Carbon Disulfide	7	U
75-09-2	Methylene Chloride	7	U
156-60-5	trans-1,2-Dichloroethene	7	U
75-34-3	1,1-Dichloroethane	7	U
156-59-2	cis-1,2-Dichloroethene	7	U
78-93-3	MEK (2-Butanone)	33	U
67-66-3	Chloroform	7	U
71-55-6	1,1,1-Trichloroethane	7	U
56-23-5	Carbon Tetrachloride	7	U
71-43-2	Benzene	0.9	U
107-06-2	1,2-Dichloroethane	7	U
79-01-6	Trichloroethene	7	U
78-87-5	1,2-Dichloropropane	7	U
75-27-4	Bromodichloromethane	7	U
10061-01-5	cis-1,3-Dichloropropene	7	U
108-10-1	MIBK (4-Methyl-2-pentanone)	13	U
108-88-3	Toluene	7	U
10061-02-6	trans-1,3-Dichloropropene	7	U
79-00-5	1,1,2-Trichloroethane	7	U
127-18-4	Tetrachloroethene	7	U
591-78-6	2-Hexanone	13	U
124-48-1	Dibromochloromethane	7	U
108-90-7	Chlorobenzene	7	U
100-41-4	Ethylbenzene	7	U
1330-20-7	p-Xylene/m-Xylene	7	U
95-47-6	o-Xylene	7	U
100-42-5	Styrene	7	U
75-25-2	Bromoform	7	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

H2B-3

Lab Name: FRIEND LABORATORY, INC.

Contract: \_\_\_\_\_

Lab Code: 10252

Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_

SDG No.: HAZORB

Matrix: (soil/water) SOIL

Lab Sample ID: L50180-3

Sample wt/vol: 5.2 (g/ml) G

Lab File ID: C0847.D

Level: (low/med) LOW

Date Received: 05/17/00

% Moisture: not dec. 15.9

Date Analyzed: 05/22/00

GC Column: RTX-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	6	U
75-01-4	Vinyl Chloride	2	U
74-82-9	Bromomethane	6	U
75-00-3	Chloroethane	6	U
75-35-4	1,1-Dichloroethene	6	U
67-64-1	Acetone	29	U
75-15-0	Carbon Disulfide	6	U
75-09-2	Methylene Chloride	3	J
156-60-5	trans-1,2-Dichloroethene	6	U
75-34-3	1,1-Dichloroethane	6	U
156-59-2	cis-1,2-Dichloroethene	6	U
78-93-3	MEK (2-Butanone)	29	U
67-66-3	Chloroform	6	U
71-55-6	1,1,1-Trichloroethane	6	U
56-23-5	Carbon Tetrachloride	6	U
71-43-2	Benzene	0.8	U
107-06-2	1,2-Dichloroethane	6	U
79-01-6	Trichloroethene	6	U
78-87-5	1,2-Dichloropropane	6	U
75-27-4	Bromodichloromethane	8	U
10061-01-5	cis-1,3-Dichloropropene	8	U
108-10-1	MIBK (4-Methyl-2-pentanone)	11	U
108-88-3	Toluene	6	U
10061-02-6	trans-1,3-Dichloropropene	8	U
79-00-5	1,1,2-Trichloroethane	8	U
127-18-4	Tetrachloroethene	6	U
591-78-8	2-Hexanone	11	U
124-48-1	Dibromochloromethane	6	U
108-90-7	Chlorobenzene	8	U
100-41-4	Ethylbenzene	8	U
1330-20-7	p-Xylene/m-Xylene	8	U
95-47-6	o-Xylene	8	U
100-42-5	Styrene	6	U
75-25-2	Bromofom	6	U
79-34-5	1,1,2,2-Tetrachloroethane	6	U

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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

H2B-3 RE

Lab Name: FRIEND LABORATORY, INC.

Contract:

Lab Code: 10252

Case No.:

SAS No.:

SDG No.: HAZORB

Matrix: (Soil/water) SOIL

Lab Sample ID: L50180-3

Sample wt/vol: 5.8 (g/ml) G

Lab File ID: C0820.D

Level: (low/med) LOW

Date Received: 05/17/00

% Moisture: not dec. 15.8

Date Analyzed: 05/19/00

GC Column: RTX-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: (uL)

Soil Aliquot Volume: (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	2	U
74-82-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	26	U
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
78-93-3	MEK (2-Butanone)	26	U
67-66-3	Chloroform	5	U
71-55-8	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	0.7	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	MIBK (4-Methyl-2-pentanone)	10	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	p-Xylene/m-Xylene	5	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

H2B-15

Lab Name: FRIEND LABORATORY, INC. Contract: \_\_\_\_\_

Lab Code: 10252 Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: HAZORB

Matrix: (soil/water) SOIL Lab Sample ID: L50180-4, 1:50

Sample wt/vol: 4.4 (g/ml) G Lab File ID: C0869.D

Level: (low/med) MED Date Received: 05/17/00

% Moisture: not dec. 30.5 Date Analyzed: 05/23/00

GC Column: RTX-624 ID: 0.53 (mm) Dilution Factor: 1.0

Soil Extract Volume: 10000 (uL) Soil Aliquot Volume: 100 (uL)

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

74-87-3	Chloromethane	810	U
75-01-4	Vinyl Chloride	320	U
74-82-9	Bromomethane	810	U
75-00-3	Chloroethane	810	U
75-35-4	1,1-Dichloroethene	810	U
67-64-1	Acetone	4000	U
75-15-0	Carbon Disulfide	810	U
75-09-2	Methylene Chloride	810	U
156-60-5	trans-1,2-Dichloroethene	810	U
75-34-3	1,1-Dichloroethane	810	U
156-59-2	cis-1,2-Dichloroethene	810	U
78-93-3	MEK (2-Butanone)	4000	U
67-66-3	Chloroform	810	U
71-55-6	1,1,1-Trichloroethane	810	U
56-23-5	Carbon Tetrachloride	810	U
71-43-2	Benzene	110	U
107-06-2	1,2-Dichloroethane	810	U
79-01-6	Trichloroethene	810	U
78-87-5	1,2-Dichloropropane	810	U
75-27-4	Bromodichloromethane	810	U
10061-01-5	cis-1,3-Dichloropropene	810	U
108-10-1	MIBK (4-Methyl-2-pentanone)	1600	U
108-88-3	Toluene	810	U
10061-02-6	trans-1,3-Dichloropropene	810	U
79-00-5	1,1,2-Trichloroethane	810	U
127-18-4	Tetrachloroethene	810	U
591-78-6	2-Hexanone	1600	U
124-48-1	Dibromochloromethane	810	U
108-90-7	Chlorobenzene	810	U
100-41-4	Ethylbenzene	810	U
1330-20-7	p-Xylene/m-Xylene	810	U
95-47-6	o-Xylene	810	U
100-42-5	Styrene	810	U
75-25-2	Bromoform	810	U
79-34-5	1,1,2,2-Tetrachloroethane	810	U

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2/26/01

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HZB-18

Lab Name: FRIEND LABORATORY, INC.

Contract: \_\_\_\_\_

Lab Code: 10252

Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_

SDG No.: HAZORB

Matrix: (soil/water) SOIL

Lab Sample ID: L50180-5

Sample wt/vol: 5.1 (g/ml) G

Lab File ID: C0848.D

Level: (low/med) LOW

Date Received: 05/17/00

% Moisture: not dec. 32

Date Analyzed: 05/22/00

GC Column: RTX-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg) UG/KG                      Q

74-87-3	Chloromethane	7	U
75-01-4	Vinyl Chloride	3	U
74-82-9	Bromomethane	7	U
75-00-3	Chloroethane	7	U
75-35-4	1,1-Dichloroethene	7	U
67-64-1	Acetone	15	J
75-15-0	Carbon Disulfide	7	U
75-09-2	Methylene Chloride	3	U
156-60-5	trans-1,2-Dichloroethene	7	U
75-34-3	1,1-Dichloroethane	7	U
156-59-2	cis-1,2-Dichloroethene	7	U
78-93-3	MEK (2-Butanone)	36	U
67-66-3	Chloroform	7	U
71-55-6	1,1,1-Trichloroethane	7	U
56-23-5	Carbon Tetrachloride	7	U
71-43-2	Benzene	1	U
107-06-2	1,2-Dichloroethane	7	U
79-01-6	Trichloroethene	7	U
78-87-5	1,2-Dichloropropane	7	U
75-27-4	Bromodichloromethane	7	U
10061-01-5	cis-1,3-Dichloropropene	7	U
108-10-1	MIBK (4-Methyl-2-pentanone)	15	U
108-88-3	Toluene	7	U
10061-02-6	trans-1,3-Dichloropropene	7	U
79-00-5	1,1,2-Trichloroethane	7	U
127-18-4	Tetrachloroethene	7	U
591-78-6	2-Hexanone	15	U
124-48-1	Dibromochloromethane	7	U
106-90-7	Chlorobenzene	7	U
100-41-4	Ethylbenzene	7	U
1330-20-7	p-Xylene/m-Xylene	7	U
95-47-6	o-Xylene	7	U
100-42-5	Styrene	7	U
75-25-2	Bromoform	7	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U

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1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

H2B-18 RE

Lab Name: FRIEND LABORATORY, INC.

Contract: \_\_\_\_\_

Lab Code: 10252

Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_

SDG No.: HAZORB

Matrix: (soil/water) SOIL

Lab Sample ID: L50180-5

Sample wt/vol: 5.5 (g/ml) G

Lab File ID: C0821.D

Level: (low/med) LOW

Date Received: 05/17/00

% Moisture: not dec. 32

Date Analyzed: 05/19/00

GC Column: RTX-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO.

COMPOUND

(ug/L or ug/Kg) UG/KG

Q

74-87-3	Chloromethane	7	U
75-01-4	Vinyl Chloride	3	U
74-82-9	Bromomethane	7	U
75-00-3	Chloroethane	7	U
75-35-4	1,1-Dichloroethene	7	U
67-64-1	Acetone	34	U
75-15-0	Carbon Disulfide	7	U
75-09-2	Methylene Chloride	7	U
156-60-5	trans-1,2-Dichloroethene	7	U
75-34-3	1,1-Dichloroethane	7	U
156-59-2	cis-1,2-Dichloroethene	7	U
78-93-3	MEK (2-Butanone)	34	U
67-66-3	Chloroform	7	U
71-55-6	1,1,1-Trichloroethane	7	U
56-23-5	Carbon Tetrachloride	7	U
71-43-2	Benzene	0.9	U
107-06-2	1,2-Dichloroethane	7	U
79-01-6	Trichloroethene	7	U
78-87-5	1,2-Dichloropropane	7	U
75-27-4	Bromodichloromethane	7	U
10061-01-5	cis-1,3-Dichloropropene	7	U
108-10-1	MIBK (4-Methyl-2-pentanone)	13	U
108-88-3	Toluene	7	U
10061-02-6	trans-1,3-Dichloropropene	7	U
79-00-5	1,1,2-Trichloroethane	7	U
127-18-4	Tetrachloroethene	7	U
591-78-6	2-Hexanone	13	U
124-48-1	Dibromochloromethane	7	U
108-90-7	Chlorobenzene	7	U
100-41-4	Ethylbenzene	7	U
1330-20-7	p-Xylene/m-Xylene	7	U
95-47-6	o-Xylene	7	U
100-42-5	Styrene	7	U
75-25-2	Bromoform	7	U
79-34-5	1,1,2,2-Tetrachloroethane	7	U

*4/26/01*

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HZ-6B

Lab Name: FRIEND LABORATORY, INC.

Contract: \_\_\_\_\_

Lab Code: 10252

Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_

SDG No.: HAZORB

Matrix: (soil/water) WATER

Lab Sample ID: L50180-11

Sample wt/vol: 5.0 (g/ml) ML

Lab File ID: D2251.D

Level: (low/med) LOW

Date Received: 05/17/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 05/22/00

GC Column: RTX-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg) UG/L                      Q

74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	2	U
74-82-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	13	J
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
78-93-3	MEK (2-Butanone)	25	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	0.7	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	MIBK (4-Methyl-2-pentanone)	10	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	p-Xylene/m-Xylene	5	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

H2B-6A

Lab Name: FRIEND LABORATORY, INC.

Contract: \_\_\_\_\_

Lab Code: 10252

Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_

SDG No.: HAZORB

Matrix: (soil/water) WATER

Lab Sample ID: L50180-12

Sample wt/vol: 5.0 (g/ml) ML

Lab File ID: D2253.D

Level: (low/med) LOW

Date Received: 05/17/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 05/23/00

GC Column: RTX-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg) UG/L                      Q

74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	2	U
74-82-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	10	J
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
78-93-3	MEK (2-Butanone)	25	U
67-66-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
56-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	0.7	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	MIBK (4-Methyl-2-pentanone)	10	U
108-88-3	Toluene	4	J
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	p-Xylene/m-Xylene	2	J
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1A  
VOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HZB-W-18

Lab Name: FRIEND LABORATORY, INC.

Contract: \_\_\_\_\_

Lab Code: 10252

Case No.: \_\_\_\_\_

SAS No.: \_\_\_\_\_

SDG No.: HAZORB

Matrix: (soil/water) WATER

Lab Sample ID: L50180-14

Sample wt/vol: 5.0 (g/ml) ML

Lab File ID: D2291.D

Level: (low/med) LOW

Date Received: 05/17/00

% Moisture: not dec. \_\_\_\_\_

Date Analyzed: 05/24/00

GC Column: RTX-624 ID: 0.53 (mm)

Dilution Factor: 1.0

Soil Extract Volume: \_\_\_\_\_ (uL)

Soil Aliquot Volume: \_\_\_\_\_ (uL)

CONCENTRATION UNITS:

CAS NO.                      COMPOUND                      (ug/L or ug/Kg) UG/L                      Q

74-87-3	Chloromethane	5	U
75-01-4	Vinyl Chloride	2	U
74-82-9	Bromomethane	5	U
75-00-3	Chloroethane	5	U
75-35-4	1,1-Dichloroethene	5	U
67-64-1	Acetone	5	J
75-15-0	Carbon Disulfide	5	U
75-09-2	Methylene Chloride	5	U
156-60-5	trans-1,2-Dichloroethene	5	U
75-34-3	1,1-Dichloroethane	5	U
156-59-2	cis-1,2-Dichloroethene	5	U
78-93-3	MEK (2-Butanone)	25	U
67-86-3	Chloroform	5	U
71-55-6	1,1,1-Trichloroethane	5	U
58-23-5	Carbon Tetrachloride	5	U
71-43-2	Benzene	0.7	U
107-06-2	1,2-Dichloroethane	5	U
79-01-6	Trichloroethene	5	U
78-87-5	1,2-Dichloropropane	5	U
75-27-4	Bromodichloromethane	5	U
10061-01-5	cis-1,3-Dichloropropene	5	U
108-10-1	MIBK (4-Methyl-2-pentanone)	10	U
108-88-3	Toluene	5	U
10061-02-6	trans-1,3-Dichloropropene	5	U
79-00-5	1,1,2-Trichloroethane	5	U
127-18-4	Tetrachloroethene	5	U
591-78-6	2-Hexanone	10	U
124-48-1	Dibromochloromethane	5	U
108-90-7	Chlorobenzene	5	U
100-41-4	Ethylbenzene	5	U
1330-20-7	p-Xylene/m-Xylene	5	U
95-47-6	o-Xylene	5	U
100-42-5	Styrene	5	U
75-25-2	Bromoform	5	U
79-34-5	1,1,2,2-Tetrachloroethane	5	U

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

H2B-1

Lab Name: FRIEND LABORATORY, INC. Contract: \_\_\_\_\_

Lab Code: 10252 Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: HAZORB

Matrix: (soil/water) SOIL Lab Sample ID: L50180-1

Sample wt/vol: 19.939 (g/ml) G Lab File ID: B10935.D

Level: (low/med) LOW Date Received: 05/17/00

% Moisture: 19.9 decanted: (Y/N) N Date Extracted: 05/22/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/01/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

111-44-4	bis(2-Chloroethylether)	310	U
108-95-2	Phenol	310	U
95-57-8	2-Chlorophenol	310	U
541-73-1	1,3-Dichlorobenzene	310	U
106-46-7	1,4-Dichlorobenzene	310	U
95-50-1	1,2-Dichlorobenzene	310	U
108-60-1	Bis(2-Chloroisopropylether)	310	U
95-48-7	2-Methylphenol	310	U
67-72-1	Hexachloroethane	310	U
621-64-7	N-Nitrosodi-n-propylamine	310	U
108-39-4/106-77-5	3-Methylphenol/4-Methylphenol	310	U
98-95-30	Nitrobenzene	310	U
78-59-1	Isophorone	310	U
88-75-52	2-Nitrophenol	310	U
105-67-9	2,4-Dimethylphenol	310	U
111-91-1	bis(2-Chloroethoxymethane)	310	U
120-83-2	2,4-Dichlorophenol	310	U
120-82-1	1,2,4-Trichlorobenzene	310	U
91-20-3	Naphthalene	300	J
106-47-8	4-Chloroaniline	630	U
87-68-3	Hexachlorobutadiene	310	U
59-50-7	4-Chloro-3-methylphenol	630	U
91-57-6	2-Methylnaphthalene	250	J
77-47-4	Hexachlorocyclopentadiene	310	U
88-06-2	2,4,6-Trichlorophenol	310	U
95-95-4	2,4,5-Trichlorophenol	310	U
91-58-7	2-Chloronaphthalene	310	U
88-74-4	2-Nitroaniline	1300	U
131-11-3	Dimethyl phthalate	310	U
83-32-9	Acenaphthene	150	J
606-20-2	2,6-Dinitrotoluene	310	U
99-09-2	3-Nitroaniline	1300	U
208-96-8	Acenaphthylene	310	U
51-28-5	2,4-Dinitrophenol	1300	U
132-64-9	Dibenzofuran	310	U
121-14-2	2,4-Dinitrotoluene	310	U
100-02-7	4-Nitrophenol	1300	U



1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HZB-1

Lab Name: FRIEND LABORATORY, INC. Contract: \_\_\_\_\_

Lab Code: 10252 Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: HAZORB

Matrix: (soil/water) SOIL Lab Sample ID: L50180-1

Sample wt/vol: 19.939 (g/ml) G Lab File ID: B10935.D

Level: (low/med) LOW Date Received: 05/17/00

% Moisture: 19.9 decanted:(Y/N) N Date Extracted: 05/22/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/01/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

84-66-2	Diethyl phthalate	310	U
86-73-7	Fluorene	310	U
7005-72-3	4-Chlorophenylphenylether	310	U
100-01-6	4-Nitroaniline	1300	U
534-52-1	2-Methyl-4-6-dinitrophenol	1300	U
86-30-6	n-Nitrosodiphenylamine	310	U
101-55-3	4-Bromophenylphenylether	310	U
118-74-1	Hexachlorobenzene	310	U
87-86-5	Pentachlorophenol	1300	U
85-01-8	Phenanthrene	1200	
120-12-7	Anthracene	270	J
86-74-8	Carbazole	310	U
84-74-2	Di-n-butyl phthalate	310	U
206-44-0	Fluoranthene	1900	
129-00-0	Pyrene	2300	
85-68-7	Butylbenzyl phthalate	310	U
56-55-3	Benzo(a)anthracene	1200	
91-94-1	3,3'-Dichlorobenzidine	630	U
218-01-9	Chrysene	1500	
117-81-7	bis-2-Ethylhexyl phthalate	310	U
117-84-0	Di-n-octyl phthalate	310	U
205-99-2	Benzo(b)fluoranthene	2900	
207-08-9	Benzo(k)fluoranthene	1500	
50-32-8	Benzo(a)pyrene	1100	
193-39-5	Indeno(1,2,3-cd)pyrene	1300	
53-70-3	Dibenzo(a,h)anthracene	280	J
191-24-2	Benzo(g,h,i)perylene	1300	

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

H2B-2 ~~14~~

Lab Name: FRIEND LABORATORY, INC. Contract: \_\_\_\_\_

Lab Code: 10252 Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: HAZORB

Matrix: (soil/water) SOIL Lab Sample ID: L50180-2, 2X

Sample wt/vol: 20.179 (g/ml) G Lab File ID: B10937.D

Level: (low/med) LOW Date Received: 05/17/00

% Moisture: 26 decanted: (Y/N) N Date Extracted: 05/22/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/01/00

Injection Volume: 1.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

111-44-4	bis(2-Chloroethylether)	670	U
108-95-2	Phenol	670	U
95-57-8	2-Chlorophenol	670	U
541-73-1	1,3-Dichlorobenzene	670	U
106-46-7	1,4-Dichlorobenzene	670	U
95-50-1	1,2-Dichlorobenzene	670	U
108-60-1	Bis(2-Chloroisopropylether)	670	U
95-48-7	2-Methylphenol	670	U
67-72-1	Hexachloroethane	670	U
621-64-7	N-Nitrosodi-n-propylamine	670	U
108-39-4/106-77-5	3-Methylphenol/4-Methylphenol	840	<del>U</del>
98-95-30	Nitrobenzene	670	U
78-59-1	Isophorone	670	U
88-75-52	2-Nitrophenol	670	U
105-67-9	2,4-Dimethylphenol	670	U
111-91-1	bis(2-Chloroethoxymethane)	670	U
120-83-2	2,4-Dichlorophenol	670	U
120-82-1	1,2,4-Trichlorobenzene	670	U
91-20-3	Naphthalene	3100	<del>U</del>
106-47-8	4-Chloroaniline	1300	U
87-68-3	Hexachlorobutadiene	670	U
59-50-7	4-Chloro-3-methylphenol	1300	U
91-57-6	2-Methylnaphthalene	1600	<del>U</del>
77-47-4	Hexachlorocyclopentadiene	670	U
88-06-2	2,4,6-Trichlorophenol	670	U
95-95-4	2,4,5-Trichlorophenol	670	U
91-58-7	2-Chloronaphthalene	670	U
88-74-4	2-Nitroaniline	2700	U
131-11-3	Dimethyl phthalate	670	U
83-32-9	Acenaphthene	6200	<del>U</del>
606-20-2	2,6-Dinitrotoluene	670	U
99-09-2	3-Nitroaniline	2700	U
208-96-8	Acenaphthylene	620	<del>U</del>
51-28-5	2,4-Dinitrophenol	2700	U
132-64-9	Dibenzofuran	3400	<del>U</del>
121-14-2	2,4-Dinitrotoluene	670	U
100-02-7	4-Nitrophenol	2700	U

2/27/01

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HZB-2 ~~DA1~~

Lab Name: FRIEND LABORATORY, INC. Contract: \_\_\_\_\_  
Lab Code: 10252 Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: HAZORB  
Matrix: (soil/water) SOIL Lab Sample ID: L50180-2, 2X  
Sample wt/vol: 20.179 (g/ml) G Lab File ID: B10937.D  
Level: (low/med) LOW Date Received: 05/17/00  
% Moisture: 26 decanted:(Y/N) N Date Extracted: 05/22/00  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/01/00  
Injection Volume: 1.0 (uL) Dilution Factor: 2.0  
GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

84-66-2	Diethyl phthalate	670	U
86-73-7	Fluorene	6300	<del>U</del>
7005-72-3	4-Chlorophenylphenylether	670	U
100-01-6	4-Nitroaniline	2700	U
534-52-1	2-Methyl-4-6-dinitrophenol	2700	U
86-30-6	n-Nitrosodiphenylamine	670	U
101-55-3	4-Bromophenylphenylether	670	U
118-74-1	Hexachlorobenzene	670	U
87-86-5	Pentachlorophenol	2700	U
85-01-8	Phenanthrene	<del>55000</del> <u>61000</u>	<del>U</del>
120-12-7	Anthracene	15000	<del>U</del>
86-74-8	Carbazole	7800	<del>U</del>
84-74-2	Di-n-butyl phthalate	670	U
206-44-0	Fluoranthene	<del>71000</del> <u>68000</u>	<del>U</del>
129-00-0	Pyrene	<del>470000</del> <u>86000</u>	<del>U</del>
85-68-7	Butylbenzyl phthalate	670	<del>U</del>
56-55-3	Benzo(a)anthracene	<del>40000</del> <u>53000</u>	<del>U</del>
91-94-1	3,3'-Dichlorobenzidine	1300	<del>U</del>
218-01-9	Chrysene	<del>41000</del> <u>53000</u>	<del>U</del>
117-81-7	bis-2-Ethylhexyl phthalate	670	<del>U</del>
117-84-0	Di-n-octyl phthalate	670	<del>U</del>
205-99-2	Benzo(b)fluoranthene	<del>58000</del> <u>73000</u>	<del>U</del>
207-08-9	Benzo(k)fluoranthene	21000	<del>U</del>
50-32-8	Benzo(a)pyrene	<del>38000</del> <u>53000</u>	<del>U</del>
193-39-5	Indeno(1,2,3-cd)pyrene	<del>30000</del> <u>42000</u>	<del>U</del>
53-70-3	Dibenzo(a,h)anthracene	6600	<del>U</del>
191-24-2	Benzo(g,h,i)perylene	<del>38000</del> <u>39000</u>	<del>U</del>

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2/27/01

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

**HZB-2 DL2**

Lab Name: FRIEND LABORATORY, INC. Contract: \_\_\_\_\_

Lab Code: 10252 Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: HAZORB

Matrix: (soil/water) SOIL Lab Sample ID: L50180-2, 50X

Sample wt/vol: 20.179 (g/ml) G Lab File ID: B10954.D

Level: (low/med) LOW Date Received: 05/17/00

% Moisture: 26 decanted: (Y/N) N Date Extracted: 05/22/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/01/00

Injection Volume: 1.0 (uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

111-44-4	bis(2-Chloroethylether)	17000	U
108-95-2	Phenol	17000	U
95-57-8	2-Chlorophenol	17000	U
541-73-1	1,3-Dichlorobenzene	17000	U
106-46-7	1,4-Dichlorobenzene	17000	U
95-50-1	1,2-Dichlorobenzene	17000	U
108-60-1	Bis(2-Chloroisopropylether)	17000	U
95-48-7	2-Methylphenol	17000	U
67-72-1	Hexachloroethane	17000	U
621-64-7	N-Nitrosodi-n-propylamine	17000	U
108-39-4/106-77-5	3-Methylphenol/4-Methylphenol	17000	U
98-95-30	Nitrobenzene	17000	U
78-59-1	Isophorone	17000	U
88-75-52	2-Nitrophenol	17000	U
105-67-9	2,4-Dimethylphenol	17000	U
111-91-1	bis(2-Chloroethoxymethane)	17000	U
120-83-2	2,4-Dichlorophenol	17000	U
120-82-1	1,2,4-Trichlorobenzene	17000	U
91-20-3	Naphthalene	17000	U
106-47-8	4-Chloroaniline	33000	U
87-68-3	Hexachlorobutadiene	17000	U
59-50-7	4-Chloro-3-methylphenol	33000	U
91-57-6	2-Methylnaphthalene	33000	U
77-47-4	Hexachlorocyclopentadiene	17000	U
88-06-2	2,4,6-Trichlorophenol	17000	U
95-95-4	2,4,5-Trichlorophenol	17000	U
91-58-7	2-Chloronaphthalene	17000	U
88-74-4	2-Nitroaniline	67000	U
131-11-3	Dimethyl phthalate	17000	U
83-32-9	Acenaphthene	17000	U
606-20-2	2,6-Dinitrotoluene	17000	U
99-09-2	3-Nitroaniline	67000	U
208-96-8	Acenaphthylene	17000	U
51-28-5	2,4-Dinitrophenol	67000	U
132-64-9	Dibenzofuran	17000	U
121-14-2	2,4-Dinitrotoluene	17000	U
100-02-7	4-Nitrophenol	67000	U

2/27/02

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HQB-2 DL2

Lab Name: FRIEND LABORATORY, INC. Contract: \_\_\_\_\_

Lab Code: 10252 Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: HAZORB

Matrix: (soil/water) SOIL Lab Sample ID: L50180-2, 50X

Sample wt/vol: 20.179 (g/ml) G Lab File ID: B10954.D

Level: (low/med) LOW Date Received: 05/17/00

% Moisture: 26 decanted: (Y/N) N Date Extracted: 05/22/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/01/00

Injection Volume: 1.0 (uL) Dilution Factor: 50.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

84-66-2	Diethyl phthalate	17000	U
86-73-7	Fluorene	17000	U
7005-72-3	4-Chlorophenylphenylether	17000	U
100-01-6	4-Nitroaniline	67000	U
534-52-1	2-Methyl-4-6-dinitrophenol	67000	U
86-30-6	n-Nitrosodiphenylamine	17000	U
101-55-3	4-Bromophenylphenylether	17000	U
118-74-1	Hexachlorobenzene	17000	U
87-86-5	Pentachlorophenol	67000	U
85-01-8	Phenanthrene	61000	D
120-12-7	Anthracene	19000	D
86-74-8	Carbazole	17000	U
84-74-2	Di-n-butyl phthalate	17000	U
206-44-0	Fluoranthene	68000	D
129-00-0	Pyrene	86000	D
85-68-7	Butylbenzyl phthalate	17000	U
56-55-3	Benzo(a)anthracene	53000	D
91-94-1	3,3'-Dichlorobenzidine	33000	U
218-01-9	Chrysene	53000	D
117-81-7	bis-2-Ethylhexyl phthalate	17000	U
117-84-0	Di-n-octyl phthalate	17000	U
205-99-2	Benzo(b)fluoranthene	73000	D
207-08-9	Benzo(k)fluoranthene	24000	D
50-32-8	Benzo(a)pyrene	53000	D
193-39-5	Indeno(1,2,3-cd)pyrene	42000	D
53-70-3	Dibenzo(a,h)anthracene	17000	U
191-24-2	Benzo(g,h,i)perylene	39000	D

2/22/01

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

H2B-3 ~~DL1~~

Lab Name: FRIEND LABORATORY, INC. Contract: \_\_\_\_\_

Lab Code: 10252 Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: HAZORB

Matrix: (soil/water) SOIL Lab Sample ID: L50180-3, 2X

Sample wt/vol: 20.469 (g/ml) G Lab File ID: B10936.D

Level: (low/med) LOW Date Received: 05/17/00

% Moisture: 15.9 decanted: (Y/N) N Date Extracted: 05/22/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/01/00

Injection Volume: 1.0 (uL) Dilution Factor: 2.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

111-44-4	bis(2-Chloroethylether)	580	U
108-95-2	Phenol	580	U
95-57-8	2-Chlorophenol	580	U
541-73-1	1,3-Dichlorobenzene	580	U
106-46-7	1,4-Dichlorobenzene	580	U
95-50-1	1,2-Dichlorobenzene	580	U
108-60-1	Bis(2-Chloroisopropylether)	580	U
95-48-7	2-Methylphenol	580	U
67-72-1	Hexachloroethane	580	U
621-64-7	N-Nitrosodi-n-propylamine	580	U
108-39-4/106-77-5	3-Methylphenol/4-Methylphenol	580	U
98-95-30	Nitrobenzene	580	U
78-59-1	Isophorone	580	U
88-75-52	2-Nitrophenol	580	U
105-67-9	2,4-Dimethylphenol	580	U
111-91-1	bis(2-Chloroethoxymethane)	580	U
120-83-2	2,4-Dichlorophenol	580	U
120-82-1	1,2,4-Trichlorobenzene	580	U
91-20-3	Naphthalene	1600	<del>U</del>
106-47-8	4-Chloroaniline	1200	U
87-68-3	Hexachlorobutadiene	580	U
59-50-7	4-Chloro-3-methylphenol	1200	U
91-57-6	2-Methylnaphthalene	620	<del>U</del>
77-47-4	Hexachlorocyclopentadiene	580	U
88-06-2	2,4,6-Trichlorophenol	580	U
95-95-4	2,4,5-Trichlorophenol	580	U
91-58-7	2-Chloronaphthalene	580	U
88-74-4	2-Nitroaniline	2300	U
131-11-3	Dimethyl phthalate	580	U
83-32-9	Acenaphthene	3300	<del>U</del>
606-20-2	2,6-Dinitrotoluene	580	U
99-09-2	3-Nitroaniline	2300	U
208-96-8	Acenaphthylene	580	U
51-28-5	2,4-Dinitrophenol	2300	U
132-64-9	Dibenzofuran	1500	<del>U</del>
121-14-2	2,4-Dinitrotoluene	580	U
100-02-7	4-Nitrophenol	2300	U

*2/27/01*

HZB-3 DL1

CONCENTRATION UNITS:

84-86-2	Diethyl phthalate	580	U
86-73-7	Fluorene	2200	<del>U</del>
7005-72-3	4-Chlorophenylphenylether	580	U
100-01-6	4-Nitroaniline	2300	U
534-52-1	2-Methyl-4-6-dinitrophenol	2300	U
86-30-6	n-Nitrosodiphenylamine	580	U
101-55-3	4-Bromophenylphenylether	580	U
118-74-1	Hexachlorobenzene	580	U
87-86-5	Pentachlorophenol	2300	U
85-01-8	Phenanthrene	19000	<del>U</del>
120-12-7	Anthracene	5200	<del>U</del>
86-74-8	Carbazole	3500	<del>U</del>
84-74-2	Di-n-butyl phthalate	580	U
206-44-0	Fluoranthene	<del>33000</del> 40000	<del>U</del> FD
129-00-0	Pyrene	<del>44000</del> 38000	<del>U</del> FD
85-68-7	Butylbenzyl phthalate	580	U
56-55-3	Benzo(a)anthracene	23000	<del>U</del>
91-94-1	3,3'-Dichlorobenzidine	1200	U
218-01-9	Chrysene	<del>92000</del> 34000	<del>U</del> FD
117-81-7	bis-2-Ethylhexyl phthalate	580	U
117-84-0	Di-n-octyl phthalate	580	<del>U</del>
205-99-2	Benzo(b)fluoranthene	<del>38000</del> 34000	<del>U</del> FD
207-08-9	Benzo(k)fluoranthene	8700	<del>U</del>
50-32-8	Benzo(a)pyrene	19000	<del>U</del>
193-39-5	Indeno(1,2,3-cd)pyrene	14000	<del>U</del>
53-70-3	Dibenzo(a,h)anthracene	3000	<del>U</del>
191-24-2	Benzo(g,h,i)perylene	13000	<del>U</del>

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2/2/10

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

H2B-3 DL2

Lab Name: FRIEND LABORATORY, INC. Contract: \_\_\_\_\_

Lab Code: 10252 Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: HAZORB

Matrix: (soil/water) SOIL Lab Sample ID: L50180-3, 20X

Sample wt/vol: 20.469 (g/ml) G Lab File ID: B10955.D

Level: (low/med) LOW Date Received: 05/17/00

% Moisture: 15.9 decanted: (Y/N) N Date Extracted: 05/22/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/01/00

Injection Volume: 1.0 (uL) Dilution Factor: 20.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

		CONCENTRATION UNITS	
CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
111-44-4	bis(2-Chloroethylether)	5800	U
108-95-2	Phenol	5800	U
95-57-8	2-Chlorophenol	5800	U
541-73-1	1,3-Dichlorobenzene	5800	U
106-46-7	1,4-Dichlorobenzene	5800	U
95-50-1	1,2-Dichlorobenzene	5800	U
108-60-1	Bis(2-Chloroisopropylether)	5800	U
95-48-7	2-Methylphenol	5800	U
67-72-1	Hexachloroethane	5800	U
621-64-7	N-Nitrosodi-n-propylamine	5800	U
108-39-4/106-77-5	3-Methylphenol/4-Methylphenol	5800	U
98-95-30	Nitrobenzene	5800	U
78-59-1	Isophorone	5800	U
88-75-52	2-Nitrophenol	5800	U
105-67-9	2,4-Dimethylphenol	5800	U
111-91-1	bis(2-Chloroethoxymethane)	5800	U
120-83-2	2,4-Dichlorophenol	5800	U
120-82-1	1,2,4-Trichlorobenzene	5800	U
91-20-3	Naphthalene	5800	U
106-47-8	4-Chloroaniline	12000	U
87-68-3	Hexachlorobutadiene	5800	U
59-50-7	4-Chloro-3-methylphenol	12000	U
91-57-6	2-Methylnaphthalene	12000	U
77-47-4	Hexachlorocyclopentadiene	5800	U
88-06-2	2,4,6-Trichlorophenol	5800	U
95-95-4	2,4,6-Trichlorophenol	5800	U
91-58-7	2-Chloronaphthalene	5800	U
88-74-4	2-Nitroaniline	23000	U
131-11-3	Dimethyl phthalate	5800	U
83-32-9	Acenaphthene	3300	JD
606-20-2	2,6-Dinitrotoluene	5800	U
99-09-2	3-Nitroaniline	23000	U
208-96-8	Acenaphthylene	5800	U
51-28-5	2,4-Dinitrophenol	23000	U
132-64-9	Dibenzofuran	5800	U
121-14-2	2,4-Dinitrotoluene	5800	U
100-02-7	4-Nitrophenol	23000	U

2/27/01  
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1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HZB-3 DL2

Lab Name: FRIEND LABORATORY, INC. Contract: \_\_\_\_\_  
Lab Code: 10252 Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: HAZORB  
Matrix: (soil/water) SOIL Lab Sample ID: L50180-3, 20X  
Sample wt/vol: 20.469 (g/ml) G Lab File ID: B10955.D  
Level: (low/med) LOW Date Received: 05/17/00  
% Moisture: 15.9 decanted:(Y/N) N Date Extracted: 05/22/00  
Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/01/00  
Injection Volume: 1.0 (uL) Dilution Factor: 20.0  
GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

84-66-2	Diethyl phthalate	5800	U
86-73-7	Fluorene	5800	U
7005-72-3	4-Chlorophenylphenylether	5800	U
100-01-6	4-Nitroaniline	23000	U
534-52-1	2-Methyl-4-6-dinitrophenol	23000	U
86-30-6	n-Nitrosodiphenylamine	5800	U
101-55-3	4-Bromophenylphenylether	5800	U
118-74-1	Hexachlorobenzene	5800	U
87-86-5	Pentachlorophenol	23000	U
85-01-8	Phenanthrene	21000	D
120-12-7	Anthracene	5200	JD
86-74-8	Carbazole	5800	U
84-74-2	Di-n-butyl phthalate	5800	U
206-44-0	Fluoranthene	40000	D
129-00-0	Pyrene	38000	D
85-68-7	Butylbenzyl phthalate	5800	U
56-55-3	Benzo(a)anthracene	22000	D
91-94-1	3,3'-Dichlorobenzidine	12000	U
218-01-9	Chrysene	34000	D
117-81-7	bis-2-Ethylhexyl phthalate	5800	U
117-84-0	Di-n-octyl phthalate	5800	U
205-99-2	Benzo(b)fluoranthene	34000	D
207-08-9	Benzo(k)fluoranthene	11000	D
50-32-8	Benzo(a)pyrene	20000	D
193-39-5	Indeno(1,2,3-cd)pyrene	15000	D
53-70-3	Dibenzo(a,h)anthracene	5800	U
191-24-2	Benzo(g,h,i)perylene	17000	D

2/27/01

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HZ-1

Lab Name: FRIEND LABORATORY, INC. Contract: \_\_\_\_\_

Lab Code: 10252 Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: HAZORB

Matrix: (soil/water) SOIL Lab Sample ID: L50180-6

Sample wt/vol: 21.003 (g/ml) G Lab File ID: A1211.D

Level: (low/med) LOW Date Received: 05/17/00

% Moisture: 16 decanted: (Y/N) N Date Extracted: 05/22/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/31/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

111-44-4	bis(2-Chloroethylether)	280	U
108-95-2	Phenol	280	U
95-57-8	2-Chlorophenol	280	U
541-73-1	1,3-Dichlorobenzene	280	U
106-46-7	1,4-Dichlorobenzene	280	U
95-50-1	1,2-Dichlorobenzene	280	U
108-60-1	Bis(2-Chloroisopropylether)	280	U
95-48-7	2-Methylphenol	280	U
67-72-1	Hexachloroethane	280	U
621-64-7	N-Nitrosodi-n-propylamine	280	U
108-39-4/106-77-5	3-Methylphenol/4-Methylphenol	280	U
98-95-30	Nitrobenzene	280	U
78-59-1	Isophorone	280	U
88-75-52	2-Nitrophenol	280	U
105-67-9	2,4-Dimethylphenol	280	U
111-91-1	bis(2-Chloroethoxymethane)	280	U
120-83-2	2,4-Dichlorophenol	280	U
120-82-1	1,2,4-Trichlorobenzene	280	U
91-20-3	Naphthalene	280	U
106-47-8	4-Chloroaniline	570	U
87-68-3	Hexachlorobutadiene	280	U
59-50-7	4-Chloro-3-methylphenol	570	U
91-57-6	2-Methylnaphthalene	570	U
77-47-4	Hexachlorocyclopentadiene	280	U
88-06-2	2,4,6-Trichlorophenol	280	U
95-95-4	2,4,5-Trichlorophenol	280	U
91-58-7	2-Chloronaphthalene	280	U
88-74-4	2-Nitroaniline	1100	U
83-32-9	Acenaphthene	280	U
606-20-2	2,6-Dinitrotoluene	280	U
99-09-2	3-Nitroaniline	1100	U
208-96-8	Acenaphthylene	280	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	280	U
121-14-2	2,4-Dinitrotoluene	280	U
100-02-7	4-Nitrophenol	1100	U
84-66-2	Diethyl phthalate	280	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

H2-1

Lab Name: FRIEND LABORATORY, INC. Contract: \_\_\_\_\_

Lab Code: 10252 Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: HAZORB

Matrix: (soil/water) SOIL Lab Sample ID: L50180-6

Sample wt/vol: 21.003 (g/ml) G Lab File ID: A1211.D

Level: (low/med) LOW Date Received: 05/17/00

% Moisture: 16 decanted: (Y/N) N Date Extracted: 05/22/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/31/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

88-73-7	Fluorene	280	U
7005-72-3	4-Chlorophenylphenylether	280	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	2-Methyl-4-6-dinitrophenol	1100	U
88-30-6	n-Nitrosodiphenylamine	280	U
101-55-3	4-Bromophenylphenylether	280	U
118-74-1	Hexachlorobenzene	280	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1000	
120-12-7	Anthracene	190	J
86-74-8	Carbazole	280	U
84-74-2	Di-n-butyl phthalate	280	U
208-44-0	Fluoranthene	1800	
129-00-0	Pyrene	1800	
85-68-7	Butylbenzyl phthalate	280	U
56-55-3	Benzo(a)anthracene	750	
218-01-9	Chrysene	1000	
117-81-7	bis-2-Ethylhexyl phthalate	280	U
117-84-0	Di-n-octyl phthalate	280	U
205-99-2	Benzo(b)fluoranthene	1200	
207-08-9	Benzo(k)fluoranthene	450	
50-32-8	Benzo(a)pyrene	650	
193-39-5	Indeno(1,2,3-cd)pyrene	280	J
53-70-3	Dibenzo(a,h)anthracene	280	U
181-24-2	Benzo(g,h,i)perylene	250	J

91-94-1 3,3'-Dichlorobenzidine 570 U

131-11-3 Dimethyl Phthalate 280 U

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HZ-2

Lab Name: FRIEND LABORATORY, INC. Contract: \_\_\_\_\_

Lab Code: 10252 Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: HAZORB

Matrix: (soil/water) SOIL Lab Sample ID: L50180-7

Sample wt/vol: 20.609 (g/ml) G Lab File ID: A1225.D

Level: (low/med) LOW Date Received: 05/17/00

% Moisture: 15.3 decanted: (Y/N) N Date Extracted: 05/22/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/31/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

111-44-4	bis(2-Chloroethylether)	290	U
108-95-2	Phenol	290	U
95-57-8	2-Chlorophenol	290	U
541-73-1	1,3-Dichlorobenzene	290	U
106-46-7	1,4-Dichlorobenzene	290	U
95-50-1	1,2-Dichlorobenzene	290	U
108-60-1	Bis(2-Chloroisopropylether)	290	U
95-48-7	2-Methylphenol	290	U
67-72-1	Hexachloroethane	290	U
621-64-7	N-Nitrosodi-n-propylamine	290	U
108-39-4/106-77-5	3-Methylphenol/4-Methylphenol	290	U
98-95-30	Nitrobenzene	290	U
78-59-1	Isophorone	290	U
88-75-52	2-Nitrophenol	290	U
105-67-9	2,4-Dimethylphenol	290	U
111-91-1	bis(2-Chloroethoxymethane)	290	U
120-83-2	2,4-Dichlorophenol	290	U
120-82-1	1,2,4-Trichlorobenzene	290	U
91-20-3	Naphthalene	1300	
106-47-8	4-Chloroaniline	570	U
87-68-3	Hexachlorobutadiene	290	U
59-50-7	4-Chloro-3-methylphenol	570	U
91-57-6	2-Methylnaphthalene	1600	
77-47-4	Hexachlorocyclopentadiene	290	U
88-06-2	2,4,6-Trichlorophenol	290	U
95-95-4	2,4,5-Trichlorophenol	290	U
91-58-7	2-Chloronaphthalene	290	U
88-74-4	2-Nitroaniline	1100	U
83-32-9	Acenaphthene	290	U
606-20-2	2,6-Dinitrotoluene	290	U
99-09-2	3-Nitroaniline	1100	U
208-96-8	Acenaphthylene	290	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	400	
121-14-2	2,4-Dinitrotoluene	290	U
100-02-7	4-Nitrophenol	1100	U
84-66-2	Diethyl phthalate	290	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HZ-2

Lab Name: FRIEND LABORATORY, INC. Contract: \_\_\_\_\_

Lab Code: 10252 Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: HAZORB

Matrix: (soil/water) SOIL Lab Sample ID: L50180-7

Sample wt/vol: 20.809 (g/ml) G Lab File ID: A1225.D

Level: (low/med) LOW Date Received: 05/17/00

% Moisture: 15.3 decanted: (Y/N) N Date Extracted: 05/22/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/31/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

86-73-7	Fluorene	290	U
7005-72-3	4-Chlorophenylphenylether	290	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	2-Methyl-4-β-dinitrophenol	1100	U
86-30-6	n-Nitrosodiphenylamine	290	U
101-55-3	4-Bromophenylphenylether	290	U
118-74-1	Hexachlorobenzene	290	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1700	
120-12-7	Anthracene	250	J
86-74-8	Carbazole	290	U
84-74-2	Di-n-butyl phthalate	290	U
206-44-0	Fluoranthene	1200	
129-00-0	Pyrene	1300	
85-68-7	Butylbenzyl phthalate	290	U
56-55-3	Benzo(a)anthracene	780	
218-01-0	Chrysene	1200	
117-81-7	bis-2-Ethylhexyl phthalate	290	U
117-84-0	Di-n-octyl phthalate	290	U
205-99-2	Benzo(b)fluoranthene	1100	
207-08-9	Benzo(k)fluoranthene	420	
50-32-8	Benzo(a)pyrene	730	
183-39-6	Indeno(1,2,3-cd)pyrene	350	
53-70-3	Dibenzo(a,h)anthracene	290	U
191-24-2	Benzo(g,h,i)perylene	410	U
91-94-1	3,3'-Dichlorobenzidine	570	U
131-11-3	Dimethyl phthalate	290	U

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HZ-3

Lab Name: FRIEND LABORATORY, INC. Contract: \_\_\_\_\_

Lab Code: 10252 Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: HAZORB

Matrix: (soil/water) SOIL Lab Sample ID: L50180-8

Sample wt/vol: 20.364 (g/ml) G Lab File ID: A1226.D

Level: (low/med) LOW Date Received: 05/17/00

% Moisture: 13.4 decanted: (Y/N) N Date Extracted: 05/22/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/31/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

111-44-4	bis(2-Chloroethylether)	280	U
108-95-2	Phenol	280	U
95-57-8	2-Chlorophenol	280	U
541-73-1	1,3-Dichlorobenzene	280	U
106-46-7	1,4-Dichlorobenzene	280	U
95-50-1	1,2-Dichlorobenzene	280	U
108-60-1	Bis(2-Chloroisopropylether)	280	U
95-48-7	2-Methylphenol	280	U
67-72-1	Hexachloroethane	280	U
621-64-7	N-Nitrosodi-n-propylamine	280	U
108-39-4/106-77-5	3-Methylphenol/4-Methylphenol	280	U
98-95-30	Nitrobenzene	280	U
78-59-1	Isophorone	280	U
88-75-52	2-Nitrophenol	280	U
105-67-9	2,4-Dimethylphenol	280	U
111-91-1	bis(2-Chloroethoxymethane)	280	U
120-83-2	2,4-Dichlorophenol	280	U
120-82-1	1,2,4-Trichlorobenzene	280	U
91-20-3	Naphthalene	480	
106-47-8	4-Chloroaniline	570	U
87-68-3	Hexachlorobutadiene	280	U
59-50-7	4-Chloro-3-methylphenol	570	U
91-57-6	2-Methylnaphthalene	490	J
77-47-4	Hexachlorocyclopentadiene	280	U
88-06-2	2,4,6-Trichlorophenol	280	U
95-95-4	2,4,5-Trichlorophenol	280	U
91-58-7	2-Chloronaphthalene	280	U
88-74-4	2-Nitroaniline	1100	U
83-32-9	Acenaphthene	200	J
606-20-2	2,6-Dinitrotoluene	280	U
99-09-2	3-Nitroaniline	1100	U
208-96-8	Acenaphthylene	280	U
51-28-5	2,4-Dinitrophenol	1100	U
132-64-9	Dibenzofuran	280	U
121-14-2	2,4-Dinitrotoluene	280	U
100-02-7	4-Nitrophenol	1100	U
84-66-2	Diethyl phthalate	280	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HZ-3

Lab Name: FRIEND LABORATORY, INC. Contract: \_\_\_\_\_

Lab Code: 10252 Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: HAZORB

Matrix: (soil/water) SOIL Lab Sample ID: L50180-8

Sample wt/vol: 20.364 (g/ml) G Lab File ID: A1226.D

Level: (low/med) LOW Date Received: 05/17/00

% Moisture: 13.4 decanted: (Y/N) N Date Extracted: 05/22/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/31/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

86-73-7	Fluorene	280	U
7005-72-3	4-Chlorophenylphenylether	280	U
100-01-6	4-Nitroaniline	1100	U
534-52-1	2-Methyl-4-6-dinitrophenol	1100	U
86-30-6	n-Nitrosodiphenylamine	280	U
101-55-3	4-Bromophenylphenylether	280	U
118-74-1	Hexachlorobenzene	280	U
87-86-5	Pentachlorophenol	1100	U
85-01-8	Phenanthrene	1500	
120-12-7	Anthracene	320	
86-74-8	Carbazole	200	J
84-74-2	Di-n-butyl phthalate	280	U
208-44-0	Fluoranthene	2300	
129-00-0	Pyrene	2700	
85-88-7	Butylbenzyl phthalate	280	U
58-55-3	Benzo(a)anthracene	1800	
218-01-8	Chrysene	2400	
117-81-7	bis-2-Ethylhexyl phthalate	280	U
117-84-0	Di-n-octyl phthalate	280	U
205-99-2	Benzo(b)fluoranthene	4300	
207-08-9	Benzo(k)fluoranthene	1500	
50-32-8	Benzo(a)pyrene	2600	
193-39-5	Indeno(1,2,3-cd)pyrene	1500	
63-70-3	Dibenzo(a,h)anthracene	330	
191-24-2	Benzo(g,h,i)perylene	1700	

91-94-1 3,3'-Dichlorobenzidine 370 U

131-11-3 Di-methyl phthalate 280 U

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HZ-4

Lab Name: FRIEND LABORATORY, INC. Contract: \_\_\_\_\_

Lab Code: 10252 Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: HAZORB

Matrix: (soil/water) SOIL Lab Sample ID: L50180-9

Sample wt/vol: 19.826 (g/ml) G Lab File ID: A1227.D

Level: (low/med) LOW Date Received: 05/17/00

% Moisture: 18.4 decanted: (Y/N) N Date Extracted: 05/22/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/31/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
111-44-4	bis(2-Chloroethylether)	310	U
108-95-2	Phenol	5700	
95-57-8	2-Chlorophenol	310	U
541-73-1	1,3-Dichlorobenzene	310	U
106-46-7	1,4-Dichlorobenzene	310	U
95-50-1	1,2-Dichlorobenzene	310	U
108-60-1	Bis(2-Chloroisopropylether)	310	U
95-48-7	2-Methylphenol	260	J
67-72-1	Hexachloroethane	310	U
621-64-7	N-Nitrosodi-n-propylamine	310	U
108-39-4/106-77-5	3-Methylphenol/4-Methylphenol	610	
98-95-30	Nitrobenzene	310	U
78-59-1	Isophorone	310	U
88-75-52	2-Nitrophenol	310	U
105-67-9	2,4-Dimethylphenol	310	U
111-91-1	bis(2-Chloroethoxymethane)	310	U
120-83-2	2,4-Dichlorophenol	310	U
120-82-1	1,2,4-Trichlorobenzene	310	U
91-20-3	Naphthalene	1800	
106-47-8	4-Chloroaniline	620	U
87-68-3	Hexachlorobutadiene	310	U
59-50-7	4-Chloro-3-methylphenol	620	U
91-57-6	2-Methylnaphthalene	2500	
77-47-4	Hexachlorocyclopentadiene	310	U
88-06-2	2,4,6-Trichlorophenol	310	U
95-95-4	2,4,5-Trichlorophenol	310	U
91-58-7	2-Chloronaphthalene	310	U
88-74-4	2-Nitroaniline	1200	U
83-32-9	Acenaphthene	560	
606-20-2	2,6-Dinitrotoluene	310	U
99-09-2	3-Nitroaniline	1200	U
208-96-8	Acenaphthylene	310	U
51-28-5	2,4-Dinitrophenol	1200	U
132-64-9	Dibenzofuran	710	
121-14-2	2,4-Dinitrotoluene	310	U
100-02-7	4-Nitrophenol	1200	U
84-66-2	Diethyl phthalate	310	U



1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

Lab Name: FRIEND LABORATORY, INC. Contract:                      HZ-4

Lab Code: 10252 Case No.:                      SAS No.:                      SDG No.: HAZORB

Matrix: (soil/water) SOIL Lab Sample ID: L50180-9

Sample wt/vol: 19.826 (g/ml) G Lab File ID: A1227.D

Level: (low/mod) LOW Date Received: 05/17/00

% Moisture: 18.4 decanted: (Y/N) N Date Extracted: 05/22/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/31/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH:                     

CAS NO.

COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/KG

Q

86-73-7	Fluorene	410	
7005-72-3	4-Chlorophenylphenylether	310	U
100-01-8	4-Nitroaniline	1200	U
634-52-1	2-Methyl-4,6-dinitrophenol	1200	U
86-30-6	n-Nitrosodiphenylamine	310	U
101-55-3	4-Bromophenylphenylether	310	U
118-74-1	Hexachlorobenzene	310	U
87-86-5	Pentachlorophenol	1200	U
85-01-8	Phenanthrene	4100	
120-12-7	Anthracene	900	
86-74-8	Carbazole	480	
84-74-2	Di-n-butyl phthalate	210	J
206-44-0	Fluoranthene	4200	
129-00-0	Pyrene	7800	
85-88-7	Butylbenzyl phthalate	310	U
58-55-3	Benzo(a)anthracene	3200	
218-01-9	Chrysene	3600	
117-81-7	bis-2-Ethylhexyl phthalate	4700	
117-84-0	Di-n-octyl phthalate	310	U
205-99-2	Benzo(b)fluoranthene	5200	
207-08-9	Benzo(k)fluoranthene	2200	
50-32-8	Benzo(a)pyrene	3700	
193-39-5	Indeno(1,2,3-cd)pyrene	2300	
53-70-3	Dibenzo(a,h)anthracene	310	U
191-24-2	Benzo(g,h,i)perylene	2300	
91-94-1	3,3'-Dichlorobenzidine	620	U
131-11-3	Dimethyl phthalate	310	U

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HZ-8 ~~N~~

Lab Name: FRIEND LABORATORY, INC. Contract: \_\_\_\_\_

Lab Code: 10252 Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: HAZORB

Matrix: (soil/water) SOIL Lab Sample ID: L50180-10, 10X

Sample wt/vol: 20.223 (g/ml) G Lab File ID: B10938.D

Level: (low/med) LOW Date Received: 05/17/00

% Moisture: 39.8 decanted: (Y/N) N Date Extracted: 05/22/00

Concentrated Extract Volume: 4000 (uL) Date Analyzed: 06/01/00

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

111-44-4	bis(2-Chloroethylether)	16000	U
108-95-2	Phenol	16000	U
95-57-8	2-Chlorophenol	16000	U
541-73-1	1,3-Dichlorobenzene	16000	U
106-46-7	1,4-Dichlorobenzene	16000	U
95-50-1	1,2-Dichlorobenzene	16000	U
108-60-1	Bis(2-Chloroisopropylether)	16000	U
95-48-7	2-Methylphenol	16000	U
67-72-1	Hexachloroethane	16000	U
621-64-7	N-Nitrosodi-n-propylamine	16000	U
108-39-4/106-77-5	3-Methylphenol/4-Methylphenol	16000	U
98-95-30	Nitrobenzene	16000	U
78-59-1	Isophorone	16000	U
88-75-52	2-Nitrophenol	16000	U
105-67-9	2,4-Dimethylphenol	16000	U
111-91-1	bis(2-Chloroethoxymethane)	16000	U
120-83-2	2,4-Dichlorophenol	16000	U
120-82-1	1,2,4-Trichlorobenzene	16000	U
91-20-3	Naphthalene	15000	JF
106-47-8	4-Chloroaniline	33000	U
87-68-3	Hexachlorobutadiene	16000	U
59-50-7	4-Chloro-3-methylphenol	33000	U
91-57-6	2-Methylnaphthalene	33000	U
77-47-4	Hexachlorocyclopentadiene	16000	U
88-06-2	2,4,6-Trichlorophenol	16000	U
95-95-4	2,4,5-Trichlorophenol	16000	U
91-58-7	2-Chloronaphthalene	16000	U
88-74-4	2-Nitroaniline	66000	U
131-11-3	Dimethyl phthalate	16000	U
83-32-9	Acenaphthene	16000	JF
606-20-2	2,6-Dinitrotoluene	16000	U
99-09-2	3-Nitroaniline	66000	U
208-96-8	Acenaphthylene	16000	U
51-28-5	2,4-Dinitrophenol	66000	U
132-64-9	Dibenzofuran	16000	U
121-14-2	2,4-Dinitrotoluene	16000	U
100-02-7	4-Nitrophenol	66000	U

4/22/00

00507

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HZ-3 DL

Lab Name: FRIEND LABORATORY, INC. Contract: \_\_\_\_\_

Lab Code: 10252 Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: HAZORB

Matrix: (soil/water) SOIL Lab Sample ID: L50180-10, 10X

Sample wt/vol: 20.223 (g/ml) G Lab File ID: B10938.D

Level: (low/med) LOW Date Received: 05/17/00

% Moisture: 39.8 decanted: (Y/N) N Date Extracted: 05/22/00

Concentrated Extract Volume: 4000 (uL) Date Analyzed: 06/01/00

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

84-66-2	Diethyl phthalate	16000	U
86-73-7	Fluorene	19000	<del>U</del>
7005-72-3	4-Chlorophenylphenylether	16000	U
100-01-6	4-Nitroaniline	66000	U
534-52-1	2-Methyl-4-6-dinitrophenol	66000	U
86-30-6	n-Nitrosodiphenylamine	16000	U
101-55-3	4-Bromophenylphenylether	16000	U
118-74-1	Hexachlorobenzene	16000	U
87-86-5	Pentachlorophenol	66000	U
85-01-8	Phenanthrene	130000	<del>U</del>
120-12-7	Anthracene	35000	<del>U</del>
86-74-8	Carbazole	20000	<del>U</del>
84-74-2	Di-n-butyl phthalate	16000	U
206-44-0	Fluoranthene	140000	<del>U</del>
129-00-0	Pyrene	130000	<del>U</del>
85-68-7	Butylbenzyl phthalate	16000	U
56-55-3	Benzo(a)anthracene	63000	<del>U</del>
91-94-1	3,3'-Dichlorobenzidine	33000	U
218-01-9	Chrysene	62000	<del>U</del>
117-81-7	bis-2-Ethylhexyl phthalate	16000	U
117-84-0	Di-n-octyl phthalate	16000	U
205-99-2	Benzo(b)fluoranthene	77000	<del>U</del>
207-08-9	Benzo(k)fluoranthene	40000	<del>U</del>
50-32-8	Benzo(a)pyrene	55000	<del>U</del>
193-39-5	Indeno(1,2,3-cd)pyrene	30000	<del>U</del>
53-70-3	Dibenzo(a,h)anthracene	8700	<del>U</del>
191-24-2	Benzo(g,h,i)perylene	33000	<del>U</del>

*2/2+1/4*

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

H2B-9

Lab Name: FRIEND LABORATORY, INC. Contract: \_\_\_\_\_

Lab Code: 10252 Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: HAZORB

Matrix: (soil/water) WATER Lab Sample ID: L50180-13

Sample wt/vol: 1000 (g/ml) ML Lab File ID: B10878.D

Level: (low/med) LOW Date Received: 05/17/00

% Moisture: \_\_\_\_\_ decanted: (Y/N) N Date Extracted: 05/17/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/24/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

111-44-4	bis(2-Chloroethylether)	5	U
108-95-2	Phenol	5	U
95-57-8	2-Chlorophenol	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
108-60-1	Bis(2-Chloroisopropylether)	5	U
95-48-7	2-Methylphenol	5	U
67-72-1	Hexachloroethane	5	U
621-64-7	N-Nitrosodi-n-propylamine	5	U
108-39-4/106-77-5	3-Methylphenol/4-Methylphenol	5	U
98-95-30	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-52	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	bis(2-Chloroethoxymethane)	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	5	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethyl phthalate	5	U
83-32-9	Acenaphthene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
208-96-8	Acenaphthylene	5	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
100-02-7	4-Nitrophenol	20	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

H2B-9

Lab Name: FRIEND LABORATORY, INC. Contract: \_\_\_\_\_

Lab Code: 10252 Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: HAZORB

Matrix: (soil/water) WATER Lab Sample ID: L50180-13

Sample wt/vol: 1000 (g/ml) ML Lab File ID: B10878.D

Level: (low/med) LOW Date Received: 05/17/00

% Moisture: \_\_\_\_\_ decanted: (Y/N) N Date Extracted: 05/17/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/24/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

84-66-2	Diethyl phthalate	5	U
86-73-7	Fluorene	5	U
7005-72-3	4-Chlorophenylphenylether	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	2-Methyl-4-6-dinitrophenol	20	U
86-30-6	n-Nitrosodiphenylamine	5	U
101-55-3	4-Bromophenylphenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-n-butyl phthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	2	J
85-68-7	Butylbenzyl phthalate	5	U
56-55-3	Benzo(a)anthracene	5	U
91-94-1	3,3'-Dichlorobenzidine	10	U
218-01-9	Chrysene	5	U
117-81-7	bis-2-Ethylhexyl phthalate	5	U
117-84-0	Di-n-octyl phthalate	5	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	2	J
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HZ-5

Lab Name: FRIEND LABORATORY, INC. Contract: \_\_\_\_\_

Lab Code: 10252 Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: HAZORB

Matrix: (soil/water) SOIL Lab Sample ID: L50180-15

Sample wt/vol: 20.736 (g/ml) G Lab File ID: A1206.D

Level: (low/med) LOW Date Received: 05/17/00

% Moisture: 6.1 decanted: (Y/N) N Date Extracted: 05/22/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/30/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

111-44-4	bis(2-Chloroethylether)	260	U
108-95-2	Phenol	260	U
95-57-8	2-Chlorophenol	260	U
541-73-1	1,3-Dichlorobenzene	260	U
106-46-7	1,4-Dichlorobenzene	260	U
95-50-1	1,2-Dichlorobenzene	260	U
108-60-1	Bis(2-Chloroisopropylether)	260	U
95-48-7	2-Methylphenol	260	U
67-72-1	Hexachloroethane	260	U
621-64-7	N-Nitrosodi-n-propylamine	260	U
108-39-4/106-77-5	3-Methylphenol/4-Methylphenol	260	U
98-95-30	Nitrobenzene	260	U
78-59-1	Isophorone	260	U
88-75-52	2-Nitrophenol	260	U
105-67-9	2,4-Dimethylphenol	260	U
111-91-1	bis(2-Chloroethoxymethane)	260	U
120-83-2	2,4-Dichlorophenol	260	U
120-82-1	1,2,4-Trichlorobenzene	260	U
91-20-3	Naphthalene	260	U
106-47-8	4-Chloroaniline	510	U
87-68-3	Hexachlorobutadiene	260	U
59-50-7	4-Chloro-3-methylphenol	510	U
91-57-6	2-Methylnaphthalene	510	U
77-47-4	Hexachlorocyclopentadiene	260	U
88-06-2	2,4,6-Trichlorophenol	260	U
95-95-4	2,4,5-Trichlorophenol	260	U
91-58-7	2-Chloronaphthalene	260	U
88-74-4	2-Nitroaniline	1000	U
83-32-9	Acenaphthene	260	U
606-20-2	2,6-Dinitrotoluene	260	U
99-09-2	3-Nitroaniline	1000	U
208-96-8	Acenaphthylene	260	U
51-28-5	2,4-Dinitrophenol	1000	U
132-64-9	Dibenzofuran	260	U
121-14-2	2,4-Dinitrotoluene	260	U
100-02-7	4-Nitrophenol	1000	U
84-66-2	Diethyl phthalate	260	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HZ-5

Lab Name: FRIEND LABORATORY, INC. Contract: \_\_\_\_\_

Lab Code: 10252 Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: HAZORB

Matrix: (soil/water) SOIL Lab Sample ID: L50180-15

Sample wt/vol: 20.736 (g/ml) G Lab File ID: A1206.D

Level: (low/med) LOW Date Received: 05/17/00

% Moisture: 6.1 decanted: (Y/N) N Date Extracted: 05/22/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 05/30/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

86-73-7	Fluorene	260	U
7005-72-3	4-Chlorophenylphenylether	260	U
100-01-8	4-Nitroaniline	1000	U
534-52-1	2-Methyl-4-6-dinitrophenol	1000	U
86-30-6	n-Nitrosodiphenylamine	260	U
101-55-3	4-Bromophenylphenylether	260	U
118-74-1	Hexachlorobenzene	260	U
87-86-5	Pentachlorophenol	1000	U
85-01-8	Phenanthrene	260	U
120-12-7	Anthracene	260	U
86-74-8	Carbazole	260	U
84-74-2	Di-n-butyl phthalate	260	U
206-44-0	Fluoranthene	260	U
129-00-0	Pyrene	260	U
85-68-7	Butylbenzyl phthalate	260	U
56-55-3	Benzo(a)anthracene	260	U
218-01-9	Chrysene	260	U
117-81-7	bis-2-Ethylhexyl phthalate	260	U
117-84-0	Di-n-octyl phthalate	260	U
205-99-2	Benzo(b)fluoranthene	260	U
207-08-9	Benzo(k)fluoranthene	260	U
50-32-8	Benzo(a)pyrene	260	U
193-39-5	Indeno(1,2,3-cd)pyrene	260	U
53-70-3	Dibenzo(a,h)anthracene	260	U
181-24-2	Benzo(g,h,i)perylene	260	U
91-94-1	3,3'-Dichlorobenzidine	510	u
131-11-3	Dimethyl phthalate	260	u

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HZ-6 DL

Lab Name: FRIEND LABORATORY, INC. Contract: \_\_\_\_\_

Lab Code: 10252 Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: HAZORB

Matrix: (soil/water) SOIL Lab Sample ID: L50180-18, 10X

Sample wt/vol: 21.021 (g/ml) G Lab File ID: A1231.D

Level: (low/med) LOW Date Received: 05/17/00

% Moisture: 9.5 decanted: (Y/N) N Date Extracted: 05/22/00

Concentrated Extract Volume: 4000 (uL) Date Analyzed: 05/31/00

Injection Volume: 1.0 (uL) Dilution Factor: 10.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

## CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/KG Q

86-73-7	Fluorene	11000	U
7005-72-3	4-Chlorophenylphenylether	11000	U
100-01-8	4-Nitroaniline	42000	U
534-52-1	2-Methyl-4-6-dinitrophenol	42000	U
86-30-6	n-Nitrosodiphenylamine	11000	U
101-55-3	4-Bromophenylphenylether	11000	U
118-74-1	Hexachlorobenzene	11000	U
87-86-5	Pentachlorophenol	42000	U
85-01-8	Phenanthrene	37000	<del>U</del>
120-12-7	Anthracene	8500	<del>U</del>
86-74-8	Carbazole	8000	<del>U</del>
84-74-2	Di-n-butyl phthalate	11000	U
206-44-0	Fluoranthene	87000	<del>U</del>
129-00-0	Pyrene	110000	<del>U</del>
85-88-7	Butylbenzyl phthalate	11000	U
56-55-3	Benzo(a)anthracene	93000	<del>U</del>
218-01-9	Chrysene	120000	<del>U</del>
117-81-7	bis-2-Ethylhexyl phthalate	11000	U
117-84-0	Di-n-octyl phthalate	11000	<del>U</del>
205-99-2	Benzo(b)fluoranthene	220000	<del>U</del>
207-08-8	Benzo(k)fluoranthene	92000	<del>U</del>
50-32-8	Benzo(a)pyrene	170000	<del>U</del>
193-39-5	Indeno(1,2,3-cd)pyrene	97000	<del>U</del>
53-70-3	Dibenzo(a,h)anthracene	11000	<del>U</del>
191-24-2	Benzo(g,h,i)perylene	99000	<del>U</del>

91-94-1 3,3'-Dichlorobenzidine 21000 U

131-11-3 Dimethyl phthalate 11000 U



1B  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HZ-6A

Lab Name: FRIEND LABORATORY, INC. Contract: \_\_\_\_\_

Lab Code: 10252 Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: HAZORB

Matrix: (soil/water) WATER Lab Sample ID: L50655-1

Sample wt/vol: 990 (g/ml) ML Lab File ID: B11023.D

Level: (low/med) LOW Date Received: 05/26/00

% Moisture: \_\_\_\_\_ decanted: (Y/N) N Date Extracted: 05/31/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/07/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

111-44-4	bis(2-Chloroethylether)	5	U
108-95-2	Phenol	5	U
95-57-8	2-Chlorophenol	5	U
541-73-1	1,3-Dichlorobenzene	5	U
106-46-7	1,4-Dichlorobenzene	5	U
95-50-1	1,2-Dichlorobenzene	5	U
108-60-1	Bis(2-Chloroisopropylether)	5	U
95-48-7	2-Methylphenol	5	U
67-72-1	Hexachloroethane	5	U
621-64-7	N-Nitrosodi-n-propylamine	5	U
108-39-4/106-77-5	3-Methylphenol/4-Methylphenol	5	U
98-95-30	Nitrobenzene	5	U
78-59-1	Isophorone	5	U
88-75-52	2-Nitrophenol	5	U
105-67-9	2,4-Dimethylphenol	5	U
111-91-1	bis(2-Chloroethoxymethane)	5	U
120-83-2	2,4-Dichlorophenol	5	U
120-82-1	1,2,4-Trichlorobenzene	5	U
91-20-3	Naphthalene	5	U
106-47-8	4-Chloroaniline	10	U
87-68-3	Hexachlorobutadiene	5	U
59-50-7	4-Chloro-3-methylphenol	10	U
91-57-6	2-Methylnaphthalene	10	U
77-47-4	Hexachlorocyclopentadiene	5	U
88-06-2	2,4,6-Trichlorophenol	5	U
95-95-4	2,4,5-Trichlorophenol	5	U
91-58-7	2-Chloronaphthalene	5	U
88-74-4	2-Nitroaniline	20	U
131-11-3	Dimethyl phthalate	5	U
83-32-9	Acenaphthene	5	U
606-20-2	2,6-Dinitrotoluene	5	U
99-09-2	3-Nitroaniline	20	U
208-96-8	Acenaphthylene	5	U
51-28-5	2,4-Dinitrophenol	20	U
132-64-9	Dibenzofuran	5	U
121-14-2	2,4-Dinitrotoluene	5	U
100-02-7	4-Nitrophenol	20	U

1C  
SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

HZ-6A

Lab Name: FRIEND LABORATORY, INC. Contract: \_\_\_\_\_

Lab Code: 10252 Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: HAZORB

Matrix: (soil/water) WATER Lab Sample ID: L50655-1

Sample wt/vol: 990 (g/ml) ML Lab File ID: B11023.D

Level: (low/med) LOW Date Received: 05/26/00

% Moisture: \_\_\_\_\_ decanted: (Y/N) N Date Extracted: 05/31/00

Concentrated Extract Volume: 1000 (uL) Date Analyzed: 06/07/00

Injection Volume: 1.0 (uL) Dilution Factor: 1.0

GPC Cleanup: (Y/N) N pH: \_\_\_\_\_

CONCENTRATION UNITS:

CAS NO. COMPOUND (ug/L or ug/Kg) UG/L Q

84-66-2	Diethyl phthalate	5	U
86-73-7	Fluorene	5	U
7005-72-3	4-Chlorophenylphenylether	5	U
100-01-6	4-Nitroaniline	20	U
534-52-1	2-Methyl-4-6-dinitrophenol	20	U
86-30-6	n-Nitrosodiphenylamine	5	U
101-55-3	4-Bromophenylphenylether	5	U
118-74-1	Hexachlorobenzene	5	U
87-86-5	Pentachlorophenol	20	U
85-01-8	Phenanthrene	5	U
120-12-7	Anthracene	5	U
86-74-8	Carbazole	5	U
84-74-2	Di-n-butyl phthalate	5	U
206-44-0	Fluoranthene	5	U
129-00-0	Pyrene	5	U
85-68-7	Butylbenzyl phthalate	5	U
56-55-3	Benzo(a)anthracene	5	U
91-94-1	3,3'-Dichlorobenzidine	10	U
218-01-9	Chrysene	5	U
117-81-7	bis-2-Ethylhexyl phthalate	5	U
117-84-0	Di-n-octyl phthalate	5	U
205-99-2	Benzo(b)fluoranthene	5	U
207-08-9	Benzo(k)fluoranthene	5	U
50-32-8	Benzo(a)pyrene	5	U
193-39-5	Indeno(1,2,3-cd)pyrene	5	U
53-70-3	Dibenzo(a,h)anthracene	5	U
191-24-2	Benzo(g,h,i)perylene	5	U

NYSDEC SAMPLE NO.

Contract:

L50180-1

SDG No.: URS1

Lab Sample ID: L50180-1

Lab File ID: E3950096

Date Received: 05/17/0

Date Extracted: 05/18/0

Date Analyzed: 05/31/0

Dilution Factor: 10.0

Sulfur Cleanup: (Y/N) N

COMPOUND

FORM I-CLP-PEST

00715

1D  
PESTICIDE ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

L50180-1

#2B-1

Lab Name: FRIEND LABORATORY, INC

Contract:

Lab Code: 10252

Case No.:

SAS No.:

SDG No.: URS1

Matrix: (soil/water) SOIL

Lab Sample ID: L50180-1

Sample wt/vol: 10.7 (g/mL) G

Lab File ID: E3950096

% Moisture: 19.9 decanted: (Y/N) N

Date Received: 05/17/0

Extraction: (SepF/Cont) ~~(SOPC)~~ ~~SEPF~~ SONALET

Date Extracted: 05/18/0

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 05/31/0

Injection Volume: 2.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N

pH: 14.0

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg) MG/KG Q

-----gamma-Chlordane	0.06	U
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1D  
PESTICIDE ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

L50180-2  
H2B-2

Lab Name: FRIEND LABORATORY, INC

Contract:

Lab Code: 10252

Case No.:

SAS No.:

SDG No.: URS1

Matrix: (soil/water) SOIL

Lab Sample ID: L50180-2

Sample wt/vol: 10.2 (g/mL) G

Lab File ID: E3950097

% Moisture: 26.0 decanted: (Y/N) N

Date Received: 05/17/0

Extraction: (SepF/Cont/Sonc) SEPE SOXHLET  
EAR 7/13/00

Date Extracted: 05/18/0

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 05/31/0

Injection Volume: 2.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N

pH: 14.0

Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:  
(ug/L or ug/Kg) MG/KG Q

CAS NO.	COMPOUND		
319-84-6	alpha-BHC	0.07	U
319-85-7	beta-BHC	0.07	U
319-86-8	delta-BHC	0.07	U
58-89-9	gamma-BHC (Lindane)	0.07	U
76-44-8	Heptachlor	0.07	U
309-00-2	Aldrin	0.07	U
1024-57-3	Heptachlor epoxide	0.07	U
959-98-8	Endosulfan I	0.07	U
60-57-1	Dieldrin	0.07	U
72-55-9	4,4'-DDE	0.07	U
72-20-8	Endrin	0.07	U
33213-65-9	Endosulfan II	0.07	U
72-54-8	4,4'-DDD	0.07	U
1031-07-8	Endosulfan sulfate	0.07	U
50-29-3	4,4'-DDT	0.07	U
72-43-5	Methoxychlor	0.07	U
53494-70-5	Endrin ketone	0.07	U
7421-36-3	Endrin aldehyde	0.07	U
12674-11-2	Aroclor-1016	0.13	U
1104-28-2	Aroclor-1221	0.27	U
11141-16-5	Aroclor-1232	0.13	U
53469-21-9	Aroclor-1242	0.13	U
11097-69-1	Aroclor-1254	0.13	U
11096-82-5	Aroclor-1260	0.13	U
8001-35-2	Toxaphene	0.66	U
	T-Chlor	0.07	U
	Aroclor-1248	0.13	U
	alpha-Chlordane	0.07	U

1D  
PESTICIDE ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

L50180-2  
H218-2

Lab Name: FRIEND LABORATORY, INC

Contract:

Lab Code: 10252

Case No.:

SAS No.:

SDG No.: URS1

Matrix: (soil/water) SOIL

Lab Sample ID: L50180-2

Sample wt/vol: 10.2 (g/mL) G

Lab File ID: E3950097

% Moisture: 26.0 decanted: (Y/N) N

Date Received: 05/17/0

Extraction: (SepF/Cont/Sonc) SEPT SOXHLET  
JUL 7/13/00

Date Extracted: 05/18/0

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 05/31/0

Injection Volume: 2.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N

pH: 14.0

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:  
(ug/L or ug/Kg) MG/KG Q

-----gamma-Chlordane	0.07	U
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1D  
PESTICIDE ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

L50180-3

42B-7

Lab Name: FRIEND LABORATORY, INC

Contract:

Lab Code: 10252

Case No.:

SAS No.:

SDG No.: URS1

Matrix: (soil/water) SOIL

Lab Sample ID: L50180-3

Sample wt/vol: 10.1 (g/mL) G

Lab File ID: E3950098

% Moisture: 15.4 decanted: (Y/N) N

Date Received: 05/17/0

Extraction: (SepF/Cont/Sonc) SEPF SOXHLET  
Date 7/13/00

Date Extracted: 05/18/0

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 05/31/0

Injection Volume: 2.0(uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N

pH: 14.0

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:  
(ug/L or ug/Kg) MG/KG Q

319-84-6-----	alpha-BHC	0.06	U
319-85-7-----	beta-BHC	0.06	U
319-86-8-----	delta-BHC	0.06	U
58-89-9-----	gamma-BHC (Lindane)	0.06	U
76-44-8-----	Heptachlor	0.06	U
309-00-2-----	Aldrin	0.06	U
1024-57-3-----	Heptachlor epoxide	0.06	U
959-98-8-----	Endosulfan I	0.06	U
60-57-1-----	Dieldrin	0.06	U
72-55-9-----	4,4'-DDE	0.06	U
72-20-8-----	Endrin	0.06	U
33213-65-9-----	Endosulfan II	0.06	U
72-54-8-----	4,4'-DDD	0.06	U
1031-07-8-----	Endosulfan sulfate	0.06	U
50-29-3-----	4,4'-DDT	0.06	U
72-43-5-----	Methoxychlor	0.06	U
53494-70-5-----	Endrin ketone	0.06	U
7421-36-3-----	Endrin aldehyde	0.06	U
12674-11-2-----	Aroclor-1016	0.12	U
1104-28-2-----	Aroclor-1221	0.23	U
11141-16-5-----	Aroclor-1232	0.12	U
53469-21-9-----	Aroclor-1242	0.12	U
11097-69-1-----	Aroclor-1254	0.12	U
11096-82-5-----	Aroclor-1260	0.12	U
8001-35-2-----	Toxaphene	0.59	U
-----	T-Chlor	0.06	U
-----	Aroclor-1248	0.12	U
-----	alpha-Chlordane	0.06	U

1D  
PESTICIDE ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

L50180-3  
H20-3

Lab Name: FRIEND LABORATORY, INC

Contract:

Lab Code: 10252

Case No.:

SAS No.:

SDG No.: URS1

Matrix: (soil/water) SOIL

Lab Sample ID: L50180-3

Sample wt/vol: 10.1 (g/mL) G

Lab File ID: E3950098

% Moisture: 15.9 decanted: (Y/N) N

Date Received: 05/17/0

Extraction: (SepF/Cont/~~Sonic~~) ~~SEPF~~ ~~SOXHLET~~  
ear 7/13/00

Date Extracted: 05/18/0

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 05/31/0

Injection Volume: 2.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N

pH: 14.0

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:  
(ug/L or ug/Kg) MG/KG Q

-----gamma-Chlordane	0.06	U
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1D  
PESTICIDE ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

L50180-6  
H2-1

Lab Name: FRIEND LABORATORY, INC

Contract:

Lab Code: 10252

Case No.:

SAS No.:

SDG No.: URS1

Matrix: (soil/water) SOIL

Lab Sample ID: L50180-6

Sample wt/vol: 10.2 (g/mL) G

Lab File ID: E3950099

% Moisture: 10.0 decanted: (Y/N) N

Date Received: 05/17/0

Extraction: (SepF/Cont/Sonc) ~~SEPF~~ ~~EXXHLET~~  
ear 7/13/00

Date Extracted: 05/18/0

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 05/31/0

Injection Volume: 2.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N

pH: 14.0

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:  
(ug/L or ug/Kg) MG/KG Q

319-84-6-----	alpha-BHC	0.06	U
319-85-7-----	beta-BHC	0.06	U
319-86-8-----	delta-BHC	0.06	U
58-89-9-----	gamma-BHC (Lindane)	0.06	U
76-44-8-----	Heptachlor	0.06	U
309-00-2-----	Aldrin	0.06	U
1024-57-3-----	Heptachlor epoxide	0.06	U
959-98-8-----	Endosulfan I	0.06	U
60-57-1-----	Dieldrin	0.06	U
72-55-9-----	4,4'-DDE	0.06	U
72-20-8-----	Endrin	0.06	U
33213-65-9-----	Endosulfan II	0.06	U
72-54-8-----	4,4'-DDD	0.06	U
1031-07-8-----	Endosulfan sulfate	0.06	U
50-29-3-----	4,4'-DDT	0.06	U
72-43-5-----	Methoxychlor	0.06	U
53494-70-5-----	Endrin ketone	0.06	U
7421-36-3-----	Endrin aldehyde	0.06	U
12674-11-2-----	Aroclor-1016	0.12	U
1104-28-2-----	Aroclor-1221	0.23	U
11141-16-5-----	Aroclor-1232	0.12	U
53469-21-9-----	Aroclor-1242	0.12	U
11097-69-1-----	Aroclor-1254	0.12	U
11096-82-5-----	Aroclor-1260	0.12	U
8001-35-2-----	Toxaphene	0.58	U
-----	T-Chlor	0.06	U
-----	Aroclor-1248	0.12	U
-----	alpha-Chlordane	0.06	U

1D  
PESTICIDE ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

Lab Name: FRIEND LABORATORY, INC

Contract:

L50180-6  
ME-1

Lab Code: 10252

Case No.:

SAS No.:

SDG No.: URS1

Matrix: (soil/water) SOIL

Lab Sample ID: L50180-6

Sample wt/vol: 10.2 (g/mL) G

Lab File ID: E3950099

% Moisture: 16.0 decanted: (Y/N) N

Date Received: 05/17/0

Extraction: (SepF/Cont(SonC) ~~SEPF~~ <sup>EXHLET</sup>  
ear 7/13/00

Date Extracted: 05/18/0

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 05/31/0

Injection Volume: 2.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N

pH: 14.0

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:  
(ug/L or ug/Kg) MG/KG Q

-----gamma-Chlordane	0.06	U
----------------------	------	---

1D  
PESTICIDE ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

Lab Name: FRIEND LABORATORY, INC

Contract:

L50180-7  
H2-2

Lab Code: 10252

Case No.:

SAS No.:

SDG No.: URS1

Matrix: (soil/water) SOIL

Lab Sample ID: L50180-7

Sample wt/vol: 10.2 (g/mL) G

Lab File ID: E3950100

% Moisture: 15.3 decanted: (Y/N) N

Date Received: 05/17/0

Extraction: (SepF/Cont/~~Sonic~~) ~~SEPF~~ ~~SOXHLET~~  
24R 7/13/00

Date Extracted: 05/18/0

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 05/31/0

Injection Volume: 2.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N

pH: 14.0

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:  
(ug/L or ug/Kg) MG/KG Q

319-84-6-----	alpha-BHC	0.06	U
319-85-7-----	beta-BHC	0.06	U
319-86-8-----	delta-BHC	0.06	U
58-89-9-----	gamma-BHC (Lindane)	0.06	U
76-44-8-----	Heptachlor	0.06	U
309-00-2-----	Aldrin	0.06	U
1024-57-3-----	Heptachlor epoxide	0.06	U
959-98-8-----	Endosulfan I	0.06	U
60-57-1-----	Dieldrin	0.06	U
72-55-9-----	4,4'-DDE	0.06	U
72-20-8-----	Endrin	0.06	U
33213-65-9-----	Endosulfan II	0.06	U
72-54-8-----	4,4'-DDD	0.06	U
1031-07-8-----	Endosulfan sulfate	0.06	U
50-29-3-----	4,4'-DDT	0.06	U
72-43-5-----	Methoxychlor	0.06	U
53494-70-5-----	Endrin ketone	0.06	U
7421-36-3-----	Endrin aldehyde	0.06	U
12674-11-2-----	Aroclor-1016	0.12	U
1104-28-2-----	Aroclor-1221	0.23	U
11141-16-5-----	Aroclor-1232	0.12	U
53469-21-9-----	Aroclor-1242	0.12	U
11097-69-1-----	Aroclor-1254	0.12	U
11096-82-5-----	Aroclor-1260	0.12	U
8001-35-2-----	Toxaphene	0.58	U
-----	T-Chlor	0.06	U
-----	Aroclor-1248	0.12	U
-----	alpha-Chlordane	0.06	U

1D  
PESTICIDE ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

L50180-8  
172-3

Lab Name: FRIEND LABORATORY, INC

Contract:

Lab Code: 10252

Case No.:

SAS No.:

SDG No.: URS1

Matrix: (soil/water) SOIL

Lab Sample ID: L50180-8

Sample wt/vol: 9.9 (g/mL) G

Lab File ID: E3950101

% Moisture: 13.4 decanted: (Y/N) N

Date Received: 05/17/0

Extraction: (SepF/Cont(Sonic) ~~SEPP~~ SOXHLET  
rec'd 7/13/00

Date Extracted: 05/18/0

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 06/01/0

Injection Volume: 2.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N

pH: 14.0

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:  
(ug/L or ug/Kg) MG/KG Q

-----gamma-Chlordane	0.06	U
----------------------	------	---

1D  
PESTICIDE ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

L50180-9

Lab Name: FRIEND LABORATORY, INC

Contract:

Lab Code: 10252

Case No.:

SAS No.:

SDG No.: URS1

Matrix: (soil/water) SOIL

Lab Sample ID: L50180-9

Sample wt/vol: 10.1 (g/mL) G

Lab File ID: E3950102

% Moisture: 18.4 decanted: (Y/N) N

Date Received: 05/17/0

Extraction: (SepF/Cont/~~Sonic~~) ~~SEPF~~ SOXHLET  
ear 7/13/00

Date Extracted: 05/18/0

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 06/01/0

Injection Volume: 2.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N

pH: 14.0

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:  
(ug/L or ug/Kg) MG/KG Q

319-84-6-----	alpha-BHC	0.06	U
319-85-7-----	beta-BHC	0.06	U
319-86-8-----	delta-BHC	0.06	U
58-89-9-----	gamma-BHC (Lindane)	0.06	U
76-44-8-----	Heptachlor	0.06	U
309-00-2-----	Aldrin	0.06	U
1024-57-3-----	Heptachlor epoxide	0.06	U
959-98-8-----	Endosulfan I	0.06	U
60-57-1-----	Dieldrin	0.06	U
72-55-9-----	4,4'-DDE	0.06	U
72-20-8-----	Endrin	0.06	U
33213-65-9-----	Endosulfan II	0.06	U
72-54-8-----	4,4'-DDD	0.06	U
1031-07-8-----	Endosulfan sulfate	0.06	U
50-29-3-----	4,4'-DDT	0.06	U
72-43-5-----	Methoxychlor	0.06	U
53494-70-5-----	Endrin ketone	0.06	U
7421-36-3-----	Endrin aldehyde	0.06	U
12674-11-2-----	Aroclor-1016	0.12	U
1104-28-2-----	Aroclor-1221	0.24	U
11141-16-5-----	Aroclor-1232	0.12	U
53469-21-9-----	Aroclor-1242	0.12	U
11097-69-1-----	Aroclor-1254	0.12	U
11096-82-5-----	Aroclor-1260	0.12	U
8001-35-2-----	Toxaphene	0.60	U
-----	T-Chlor	0.06	U
-----	Aroclor-1248	0.12	U
-----	alpha-Chlordane	0.06	U

1D  
PESTICIDE ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

Lab Name: FRIEND LABORATORY, INC

Contract:

L50180-9  
H2-4

Lab Code: 10252

Case No.:

SAS No.:

SDG No.: URS1

Matrix: (soil/water) SOIL

Lab Sample ID: L50180-9

Sample wt/vol: 10.1 (g/mL) G

Lab File ID: E3950102

% Moisture: 18.4 decanted: (Y/N) N

Date Received: 05/17/0

Extraction: (SepF/Cont/~~Sonic~~) ~~SEPP~~ SOXHLET  
DATE 7/13/00

Date Extracted: 05/18/0

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 06/01/0

Injection Volume: 2.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N

pH: 14.0

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:  
(ug/L or ug/Kg) MG/KG Q

-----gamma-Chlordane	0.06	U
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1D  
PESTICIDE ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

Lab Name: FRIEND LABORATORY, INC

Contract:

L50180-10  
H2-7

Lab Code: 10252

Case No.:

SAS No.:

SDG No.: URS1

Matrix: (soil/water) SOIL

Lab Sample ID: L50180-10

Sample wt/vol: 10.4 (g/mL) G

Lab File ID: E3950103

% Moisture: 39.8 decanted: (Y/N) N

Date Received: 05/17/0

Extraction: (SepF/Cont, ~~Senc~~) ~~SEPF~~ SOXHLET

Date Extracted: 05/18/0

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 06/01/0

Injection Volume: 2.0 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N

pH: 14.0

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:  
(ug/L or ug/Kg) MG/KG Q

319-84-6-----	alpha-BHC	0.16	U
319-85-7-----	beta-BHC	0.16	U
319-86-8-----	delta-BHC	0.16	U
58-89-9-----	gamma-BHC (Lindane)	0.16	U
76-44-8-----	Heptachlor	0.16	U
309-00-2-----	Aldrin	0.16	U
1024-57-3-----	Heptachlor epoxide	0.16	U
959-98-8-----	Endosulfan I	0.16	U
60-57-1-----	Dieldrin	0.16	U
72-55-9-----	4,4'-DDE	0.16	U
72-20-8-----	Endrin	0.16	U
33213-65-9-----	Endosulfan II	0.16	U
72-54-8-----	4,4'-DDD	0.16	U
1031-07-8-----	Endosulfan sulfate	0.16	U
50-29-3-----	4,4'-DDT	0.16	U
72-43-5-----	Methoxychlor	0.16	U
53494-70-5-----	Endrin ketone	0.16	U
7421-36-3-----	Endrin aldehyde	0.16	U
12674-11-2-----	Aroclor-1016	0.32	U
1104-28-2-----	Aroclor-1221	0.64	U
11141-16-5-----	Aroclor-1232	0.32	U
53469-21-9-----	Aroclor-1242	0.32	U
11097-69-1-----	Aroclor-1254	0.32	U
11096-82-5-----	Aroclor-1260	0.32	U
8001-35-2-----	Toxaphene	1.60	U
-----	T-Chlor	0.16	U
-----	Aroclor-1248	0.32	U
-----	alpha-Chlordane	0.16	U

1D  
PESTICIDE ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

Lab Name: FRIEND LABORATORY, INC

Contract:

L50180-10  
7/2/00

Lab Code: 10252

Case No.:

SAS No.:

SDG No.: URS1

Matrix: (soil/water) SOIL

Lab Sample ID: L50180-10

Sample wt/vol: 10.4 (g/mL) G

Lab File ID: E3950103

% Moisture: 39.8 decanted: (Y/N) N

Date Received: 05/17/00

Extraction: (SepF/Cont/~~Sonic~~) ~~SEPP~~ SOXHLET

Date Extracted: 05/18/00

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 06/01/00

Injection Volume: 2.0 (uL)

Dilution Factor: 20.0

GPC Cleanup: (Y/N) N

pH: 14.0

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:  
(ug/L or ug/Kg) MG/KG Q

-----gamma-Chlordane	0.16	U
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1D  
PESTICIDE ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

Lab Name: FRIEND LABORATORY, INC

Contract:

L50180-12

Lab Code: 10252

Case No.:

SAS No.:

SDG No.: URS1

Matrix: (soil/water) WATER

Lab Sample ID: L50180-12

Sample wt/vol: 9.10 (g/mL) ML

Lab File ID: E3959932

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_

Date Received: 05/17/0

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 05/19/0

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 05/22/0

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 14.0

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L

Q

319-84-6-----	alpha-BHC	0.05	U
319-85-7-----	beta-BHC	0.05	U
319-86-8-----	delta-BHC	0.05	U
58-89-9-----	gamma-BHC (Lindane)	0.05	U
76-44-8-----	Heptachlor	0.05	U
309-00-2-----	Aldrin	0.05	U
1024-57-3-----	Heptachlor epoxide	0.05	U
959-98-8-----	Endosulfan I	0.05	U
60-57-1-----	Dieldrin	0.05	U
72-55-9-----	4,4'-DDE	0.05	U
72-20-8-----	Endrin	0.05	U
33213-65-9-----	Endosulfan II	0.05	U
72-54-8-----	4,4'-DDD	0.05	U
1031-07-8-----	Endosulfan sulfate	0.05	U
50-29-3-----	4,4'-DDT	0.05	U
72-43-5-----	Methoxychlor	0.05	U
53494-70-5-----	Endrin ketone	0.05	U
7421-36-3-----	Endrin aldehyde	0.05	U
12674-11-2-----	Aroclor-1016	0.10	U
1104-28-2-----	Aroclor-1221	0.21	U
11141-16-5-----	Aroclor-1232	0.10	U
53469-21-9-----	Aroclor-1242	0.10	U
11097-69-1-----	Aroclor-1254	0.10	U
11096-82-5-----	Aroclor-1260	0.10	U
8001-35-2-----	Toxaphene	0.52	U
-----	T-Chlor	0.05	U
-----	Aroclor-1248	0.10	U
-----	alpha-Chlordane	0.05	U

1D  
PESTICIDE ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

Lab Name: FRIEND LABORATORY, INC

Contract:

L50180-12  
H2B-6A

Lab Code: 10252

Case No.:

SAS No.:

SDG No.: URS1

Matrix: (soil/water) WATER

Lab Sample ID: L50180-12

Sample wt/vol: 960 (g/mL) ML

Lab File ID: E3959932

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_

Date Received: 05/17/0

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 05/19/0

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 05/22/0

Injection Volume: 2.0 (uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 14.0

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:

(ug/L or ug/Kg) UG/L Q

-----gamma-Chlordane	0.05	U
----------------------	------	---

1D  
PESTICIDE ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

L50180-13  
H 20-9

Lab Name: FRIEND LABORATORY, INC

Contract:

Lab Code: 10252

Case No.:

SAS No.:

SDG No.: URS1

Matrix: (soil/water) WATER

Lab Sample ID: L50180-13

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E3959933

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_

Date Received: 05/17/0

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 05/19/0

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 05/22/0

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 14.0

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L

Q

319-84-6-----	alpha-BHC	0.05	U
319-85-7-----	beta-BHC	0.05	U
319-86-8-----	delta-BHC	0.05	U
58-89-9-----	gamma-BHC (Lindane)	0.05	U
76-44-8-----	Heptachlor	0.05	U
309-00-2-----	Aldrin	0.05	U
1024-57-3-----	Heptachlor epoxide	0.05	U
959-98-8-----	Endosulfan I	0.05	U
60-57-1-----	Dieldrin	0.05	U
72-55-9-----	4,4'-DDE	0.05	U
72-20-8-----	Endrin	0.05	U
33213-65-9-----	Endosulfan II	0.10	U
72-54-8-----	4,4'-DDD	0.05	U
1031-07-8-----	Endosulfan sulfate	0.05	U
50-29-3-----	4,4'-DDT	0.05	U
72-43-5-----	Methoxychlor	0.05	U
53494-70-5-----	Endrin ketone	0.05	U
7421-36-3-----	Endrin aldehyde	0.05	U
12674-11-2-----	Aroclor-1016	0.10	U
1104-28-2-----	Aroclor-1221	0.20	U
11141-16-5-----	Aroclor-1232	0.10	U
53469-21-9-----	Aroclor-1242	0.10	U
11097-69-1-----	Aroclor-1254	0.10	U
11096-82-5-----	Aroclor-1260	0.10	U
8001-35-2-----	Toxaphene	0.50	U
-----	T-Chlor	0.05	U
-----	Aroclor-1248	0.10	U
-----	alpha-Chlordane	0.05	U

1D  
PESTICIDE ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

Lab Name: FRIEND LABORATORY, INC

Contract:

L50180-13  
H20-1

Lab Code: 10252

Case No.:

SAS No.:

SDG No.: URS1

Matrix: (soil/water) WATER

Lab Sample ID: L50180-13

Sample wt/vol: 1000 (g/mL) ML

Lab File ID: E3959933

% Moisture: \_\_\_\_\_ decanted: (Y/N) \_\_\_\_\_

Date Received: 05/17/0

Extraction: (SepF/Cont/Sonc) SEPF

Date Extracted: 05/19/0

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 05/22/0

Injection Volume: 2.0(uL)

Dilution Factor: 1.0

GPC Cleanup: (Y/N) N

pH: 14.0

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:  
(ug/L or ug/Kg) UG/L Q

-----gamma-Chlordane	0.05	U
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## 1D

L50180-15

Contract:

Case No.:

SAS No.:

SDG No.: URS1

Lab Sample ID: L50180-15

Lab File ID: E3950104

Date Received: 05/17/0

Date Extracted: 05/18/0

Date Analyzed: 06/01/0

Dilution Factor: 10.0

pH: 14.0

Sulfur Cleanup: (Y/N) N

COMPOUND

CONCENTRATION UNITS:  
(ug/L or ug/Kg) MG/KG

319-84-6-----	alpha-BHC	0.05	U
319-85-7-----	beta-BHC	0.05	U
319-86-8-----	delta-BHC	0.05	U
58-89-9-----	gamma-BHC (Lindane)	0.05	U
76-44-8-----	Heptachlor	0.05	U
309-00-2-----	Aldrin	0.05	U
1024-57-3-----	Heptachlor epoxide	0.05	U
959-98-8-----	Endosulfan I	0.05	U
60-57-1-----	Dieldrin	0.05	U
72-55-9-----	4,4'-DDE	0.05	U
72-20-8-----	Endrin	0.05	U
33213-65-9-----	Endosulfan II	0.05	U
72-54-8-----	4,4'-DDD	0.05	U
1031-07-8-----	Endosulfan sulfate	0.05	U
50-29-3-----	4,4'-DDT	0.05	U
72-43-5-----	Methoxychlor	0.05	U
53494-70-5-----	Endrin ketone	0.05	U
7421-36-3-----	Endrin aldehyde	0.05	U
12674-11-2-----	Aroclor-1016	0.05	U
1104-28-2-----	Aroclor-1221	0.11	U
11141-16-5-----	Aroclor-1232	0.21	U
53469-21-9-----	Aroclor-1242	0.11	U
11097-69-1-----	Aroclor-1254	0.11	U
11096-82-5-----	Aroclor-1260	0.11	U
8001-35-2-----	Toxaphene	0.11	U
-----	T-Chlor	0.54	U
-----	Aroclor-1248	0.05	U
-----	alpha-Chlordane	0.11	U
-----		0.05	U

1D  
PESTICIDE ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

Lab Name: FRIEND LABORATORY, INC

Contract:

L50180-15  
H2-S

Lab Code: 10252

Case No.:

SAS No.:

SDG No.: URS1

Matrix: (soil/water) SOIL

Lab Sample ID: L50180-15

Sample wt/vol: 9.9 (g/mL) G

Lab File ID: E3950104

% Moisture: 6.1 decanted: (Y/N) N

Date Received: 05/17/0

Extraction: (SepF/Cont/Sope) ~~SEPF~~ SCX HLET  
2002 7/13/00

Date Extracted: 05/18/0

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 06/01/0

Injection Volume: 2.0 (uL)

Dilution Factor: 10.0

GPC Cleanup: (Y/N) N

pH: 14.0

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:  
(ug/L or ug/Kg) MG/KG Q

-----gamma-Chlordane	0.05	U
----------------------	------	---

1D  
PESTICIDE ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

Lab Name: FRIEND LABORATORY, INC

Contract:

L50180-16

Lab Code: 10252

Case No.:

SAS No.:

SDG No.: URS1

Matrix: (soil/water) SOIL

Lab Sample ID: L50180-16

Sample wt/vol: 10.2 (g/mL) G

Lab File ID: E3950127

% Moisture: 9.5 decanted: (Y/N) N

Date Received: 05/17/0

Extraction: (SepF/Cont/SonC) ~~SEPP~~ SOXHLET  
ear 7/13/00

Date Extracted: 05/22/0

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 06/01/0

Injection Volume: 2.0 (uL)

Dilution Factor: 100.0

GPC Cleanup: (Y/N) N

pH: 14.0

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:  
(ug/L or ug/Kg) MG/KG Q

319-84-6-----	alpha-BHC	0.54	U
319-85-7-----	beta-BHC	0.54	U
319-86-8-----	delta-BHC	0.54	U
58-89-9-----	gamma-BHC (Lindane)	0.54	U
76-44-8-----	Heptachlor	0.54	U
309-00-2-----	Aldrin	0.54	U
1024-57-3-----	Heptachlor epoxide	0.54	U
959-98-8-----	Endosulfan I	0.54	U
60-57-1-----	Dieldrin	0.54	U
72-55-9-----	4,4'-DDE	0.54	U
72-20-8-----	Endrin	0.54	U
33213-65-9-----	Endosulfan II	0.54	U
72-54-8-----	4,4'-DDD	0.54	U
1031-07-8-----	Endosulfan sulfate	0.54	U
50-29-3-----	4,4'-DDT	0.54	U
72-43-5-----	Methoxychlor	0.54	U
53494-70-5-----	Endrin ketone	0.54	U
7421-36-3-----	Endrin aldehyde	0.54	U
12674-11-2-----	Aroclor-1016	0.54	U
1104-28-2-----	Aroclor-1221	1.09	U
11141-16-5-----	Aroclor-1232	2.17	U
53469-21-9-----	Aroclor-1242	1.09	U
11097-69-1-----	Aroclor-1254	1.09	U
11096-82-5-----	Aroclor-1260	1.09	U
8001-35-2-----	Toxaphene	1.09	U
-----	T-Chlor	5.43	U
-----	Aroclor-1248	0.54	U
-----	alpha-Chlordane	1.09	U
-----		0.54	U

1D  
PESTICIDE ANALYSIS DATA SHEET

NYSDEC SAMPLE NO.

Lab Name: FRIEND LABORATORY, INC

Contract:

L50180-16  
H2-6

Lab Code: 10252

Case No.:

SAS No.:

SDG No.: URS1

Matrix: (soil/water) SOIL

Lab Sample ID: L50180-16

Sample wt/vol: 10.2 (g/mL) G

Lab File ID: E3950127

% Moisture: 9.5 decanted: (Y/N) N

Date Received: 05/17/0

Extraction: (SepF/Cont/~~Sonic~~) ~~SEPF~~ SOXHLET  
car 7/13/00

Date Extracted: 05/22/0

Concentrated Extract Volume: 10000 (uL)

Date Analyzed: 06/01/0

Injection Volume: 2.0 (uL)

Dilution Factor: 100.0

GPC Cleanup: (Y/N) N

pH: 14.0

Sulfur Cleanup: (Y/N) N

CAS NO.

COMPOUND

CONCENTRATION UNITS:  
(ug/L or ug/Kg) MG/KG Q

-----gamma-Chlordane	0.54	U
----------------------	------	---



DATE 14-JUN-2000

LAB SAMPLE ID L50180-1

URS Greiner, Inc.  
Robert Henschel  
282 Delaware Avenue  
Buffalo, NY 14202

SAMPLE SOURCE	HAZORB 0500035787.00
ORIGIN	HZB-1
DESCRIPTION	COMPOSITE
SAMPLED ON	16-MAY-00 09:36 by CLIENT
DATE RECEIVED	17-MAY-00 10:36
P.O. NO.	N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	80.1	%		18-MAY-00	CLP 3.0	00-010-96
Asenic	U	mg/kg	14.7	01-JUN-00	EPA 6010	00-080-06
Barium	35.7	mg/kg	1.96	01-JUN-00	EPA 6010	00-080-06
Cadmium	U	mg/kg	0.6120	01-JUN-00	EPA 6010	00-080-06
Chromium	28.3	mg/kg	1.22	01-JUN-00	EPA 6010	00-080-06
Lead	68.6	mg/kg	5.39	01-JUN-00	EPA 6010	00-080-06
Mercury	0.026	mg/kg	0.0120	31-MAY-00	EPA 7470	98-126-89
Selenium	U	mg/kg	8.57	01-JUN-00	EPA 6010	00-080-06
Copper	U	mg/kg	1.22	01-JUN-00	EPA 6010	00-080-06
2/2/01						
Acetone	U	ug/kg	6	22-MAY-00	EPA 8260	00-034-0845
Acetyl chloride	U	ug/kg	2	22-MAY-00	EPA 8260	00-034-0845
Chloroethane	U	ug/kg	6	22-MAY-00	EPA 8260	00-034-0845
Bromomethane	U	ug/kg	6	22-MAY-00	EPA 8260	00-034-0845
1,1-Dichloroethene	U	ug/kg	6	22-MAY-00	EPA 8260	00-034-0845
Acetone	U	ug/kg	31	22-MAY-00	EPA 8260	00-034-0845
Carbon disulfide	U	ug/kg	6	22-MAY-00	EPA 8260	00-034-0845
Ethylene chloride	U	ug/kg	6	22-MAY-00	EPA 8260	00-034-0845
trans-1,2-Dichloroethene	U	ug/kg	6	22-MAY-00	EPA 8260	00-034-0845
1,1-Dichloroethane	U	ug/kg	6	22-MAY-00	EPA 8260	00-034-0845
trans-1,2-Dichloroethene	U	ug/kg	6	22-MAY-00	EPA 8260	00-034-0845
Ethyl ethyl ketone (2-Butanone)	U	ug/kg	31	22-MAY-00	EPA 8260	00-034-0845
Chloroform	U	ug/kg	6	22-MAY-00	EPA 8260	00-034-0845
1,1,1-Trichloroethane	U	ug/kg	6	22-MAY-00	EPA 8260	00-034-0845
Carbon tetrachloride	U	ug/kg	6	22-MAY-00	EPA 8260	00-034-0845
Benzene	U	ug/kg	0.9	22-MAY-00	EPA 8260	00-034-0845
1,2-Dichloroethane	U	ug/kg	6	22-MAY-00	EPA 8260	00-034-0845
Trichloroethene	U	ug/kg	6	22-MAY-00	EPA 8260	00-034-0845
1,2-Dichloropropane	U	ug/kg	6	22-MAY-00	EPA 8260	00-034-0845
1,1-Dichloroethane	U	ug/kg	6	22-MAY-00	EPA 8260	00-034-0845
1,3-Dichloropropane	U	ug/kg	6	22-MAY-00	EPA 8260	00-034-0845
Isobutyl ketone	U	ug/kg	12	22-MAY-00	EPA 8260	00-034-0845
Toluene	U	ug/kg	6	22-MAY-00	EPA 8260	00-034-0845
U	U	ug/kg	6	22-MAY-00	EPA 8260	00-034-0845

01280



ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532  
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 14-JUN-2000

LAB SAMPLE ID L50180-3

URS Greiner, Inc.  
Robert Henschel  
282 Delaware Avenue  
Buffalo, NY 14202

SAMPLE SOURCE	HAZORB 0500035787.00
ORIGIN	HZB-3
DESCRIPTION	COMPOSITE
SAMPLED ON	16-MAY-00 13:35 by CLIENT
DATE RECEIVED	17-MAY-00 10:36
P.O. NO.	N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	84.1	%		18-MAY-00	CLP 3.0	00-010-96
Arsenic	U	mg/kg	13.9	01-JUN-00	EPA 6010	00-080-06
Barium	106	mg/kg	1.85	01-JUN-00	EPA 6010	00-080-06
Cadmium	U	mg/kg	0.5770	01-JUN-00	EPA 6010	00-080-06
Chromium	24.4	mg/kg	1.15	01-JUN-00	EPA 6010	00-080-06
Lead	40.4	mg/kg	5.08	01-JUN-00	EPA 6010	00-080-06
Mercury	0.028	mg/kg	0.0110	31-MAY-00	EPA 7470	98-126-89
Selenium	U	mg/kg	160	05-JUN-00	EPA 6010	00-080-07
Silver	✓ u.s. 21200	mg/kg	1.15	01-JUN-00	EPA 6010	00-080-06
Bromethane	U	ug/kg	6	22-MAY-00	EPA 8260	00-034-0847
Methyl chloride	U	ug/kg	2	22-MAY-00	EPA 8260	00-034-0847
Chloroethane	U	ug/kg	6	22-MAY-00	EPA 8260	00-034-0847
Bromomethane	U	ug/kg	6	22-MAY-00	EPA 8260	00-034-0847
1,1-Dichloroethene	U	ug/kg	6	22-MAY-00	EPA 8260	00-034-0847
Acetone	U	ug/kg	29	22-MAY-00	EPA 8260	00-034-0847
Carbon disulfide	U	ug/kg	6	22-MAY-00	EPA 8260	00-034-0847
Methylene chloride	U	ug/kg	6	22-MAY-00	EPA 8260	00-034-0847
trans-1,2-Dichloroethene	U	ug/kg	6	22-MAY-00	EPA 8260	00-034-0847
1,1-Dichloroethane	U	ug/kg	6	22-MAY-00	EPA 8260	00-034-0847
cis-1,2-Dichloroethene	U	ug/kg	6	22-MAY-00	EPA 8260	00-034-0847
Methyl ethyl ketone (2-Butanone)	U	ug/kg	29	22-MAY-00	EPA 8260	00-034-0847
Chloroform	U	ug/kg	6	22-MAY-00	EPA 8260	00-034-0847
1,1,1-Trichloroethane	U	ug/kg	6	22-MAY-00	EPA 8260	00-034-0847
Carbon tetrachloride	U	ug/kg	6	22-MAY-00	EPA 8260	00-034-0847
Benzene	U	ug/kg	0.8	22-MAY-00	EPA 8260	00-034-0847
1,2-Dichloroethane	U	ug/kg	6	22-MAY-00	EPA 8260	00-034-0847
Trichloroethene	U	ug/kg	6	22-MAY-00	EPA 8260	00-034-0847
1,2-Dichloropropane	U	ug/kg	6	22-MAY-00	EPA 8260	00-034-0847
Bromodichloromethane	U	ug/kg	6	22-MAY-00	EPA 8260	00-034-0847
cis-1,3-Dichloropropene	U	ug/kg	6	22-MAY-00	EPA 8260	00-034-0847
Methyl isobutyl ketone	U	ug/kg	11	22-MAY-00	EPA 8260	00-034-0847
Toluene	U	ug/kg	6	22-MAY-00	EPA 8260	00-034-0847
trans-1,3-Dichloropropene	U	ug/kg	6	22-MAY-00	EPA 8260	00-034-0847

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NY 10252 NJ 73168 PA 68180 EPA NY 00033

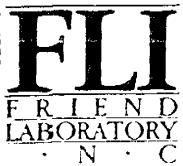
Approved by: Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)  
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)  
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Your samples will be discarded after 14 days unless we are advised otherwise.

"Our family caring about your analytical needs Since 1963"

01231



ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532  
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 14-JUN-2000

LAB SAMPLE ID L50180-6

URS Greiner, Inc.  
Robert Henschel  
282 Delaware Avenue  
Buffalo, NY 14202

SAMPLE SOURCE	HAZORB 0500035787.00
ORIGIN	HZ-1
DESCRIPTION	COMPOSITE
SAMPLED ON	16-MAY-00 10:20 by CLIENT
DATE RECEIVED	17-MAY-00 10:36
P.O. NO.	N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	84	%		18-MAY-00	CLP 3.0	00-010-96
Arsenic	14	mg/kg	12.6	01-JUN-00	EPA 6010	00-080-06
Barium	87.8	mg/kg	1.69	01-JUN-00	EPA 6010	00-080-06
Cadmium	U	mg/kg	0.5270	01-JUN-00	EPA 6010	00-080-06
Chromium	31.1	mg/kg	1.05	01-JUN-00	EPA 6010	00-080-06
Lead	17.4	mg/kg	4.64	01-JUN-00	EPA 6010	00-080-06
Mercury	1.3	mg/kg	0.1100	31-MAY-00	EPA 7470	98-126-89
Selenium	U	mg/kg	160	05-JUN-00	EPA 6010	00-080-07
Silver	4.5	mg/kg	1.05	01-JUN-00	EPA 6010	00-080-06
alpha-BHC	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0099F
beta-BHC	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0099F
Lindane (gamma-BHC)	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0099F
delta-BHC	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0099F
Heptachlor	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0099F
Aldrin	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0099F
Heptachlor epoxide	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0099F
alpha-Chlordane	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0099F
Endosulfan I	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0099F
gamma-Chlordane	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0099F
4,4'-DDT	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0099F
Dieldrin	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0099F
Endrin	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0099F
Endosulfan II	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0099F
4,4'-DDD	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0099F
Endrin ketone	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0099F
Endrin aldehyde	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0099F
Endosulfan sulfate	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0099F
4,4'-DDT	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0099F
Methoxychlor	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0099F
Chlordane	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0099F

Page 1

NY 10252 NJ 73168 PA 66180 EPA NY 00033

Approved by:

Lab Director

KEY: ND or U = None Detected  
mg/L = milligrams per liter (equivalent to parts per million)  
B = analyte was detected in the method or trip blank

ug/L = micrograms per liter (equivalent to parts per billion)  
mg/kg = milligrams per kilogram (equivalent to parts per million)  
J = result estimated below the quantitation limit

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services.  
Your samples will be discarded after 14 days unless we are advised otherwise.

"Our family, caring about your analytical needs... Since 1963."

# Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA1\C0806.D  
 Acq On : 19 May 100 12:15 pm  
 Sample : 19 50 ug/l 8260 concal heated purge  
 Visc : 12.5 ul 98-027-186-1 -> 5 ml water  
 MS Integration Params: events.e

Vial: 24  
 Operator: SJB  
 Inst : MSD-C  
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\05-1585.M (Chemstation Integrator)  
 Title :  
 Last Update : Wed May 17 15:28:09 2000  
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	Pentafluorobenzene	1.000	1.000	0.0	120	-0.04
2	Dichlorodifluoromethane	0.850	0.819	3.6	119	0.00
3 pm	Chloromethane	0.495	0.421	14.9	112	0.00
4 cm	Vinyl chloride	0.445	0.437	1.8	116	-0.03
5 m	Bromomethane	0.330	0.328	0.6	123	-0.02
6 m	Chloroethane	0.193	0.175	9.3	104	-0.03
7 m	Trichlorofluoromethane	0.740	0.770	-4.1	118	-0.02
8 m	Acrolein	0.106	0.106	0.0	119	-0.03
9	1,1,2-Trichloro-1,2,2-trifl	0.974	0.954	2.1	121	-0.02
10 Mc	1,1-Dichloroethene	0.432	0.397	8.1	108	-0.02
11	Iodomethane	0.695	0.733	-5.5	120	-0.02
12 m	Acetone	0.111	0.079	28.8#	84	-0.05
13	Carbon disulfide	1.136	1.024	9.9	109	-0.02
	Allyl chloride	0.205	0.188	8.3	114	-0.02
15 m	Methylene chloride	0.482	0.442	8.3	113	-0.03
16	MTBE	1.448	1.147	20.8#	101	-0.04
17	2-Propanol	0.145	0.094	35.2#	79	-0.07
18 m	t-1,2-Dichloroethene	0.484	0.445	8.1	107	-0.03
19 m	Acrylonitrile	0.249	0.211	15.3	97	-0.04
20 pm	1,1-Dichloroethane	0.798	0.741	7.1	107	-0.04
21	Vinyl acetate	0.873	0.929	-6.4	116	-0.04
22	2,2-Dichloropropane	0.535	0.551	-3.0	113	-0.05
23 m	c-1,2-Dichloroethene	0.396	0.356	10.1	105	-0.05
24	1-Propanol	0.009	0.006	33.3#	80	-0.10
25	MEK(2-Butanone)	0.581	0.388	33.2#	80	-0.06
26	Bromochloromethane	0.222	0.204	8.1	108	-0.05
27 cm	Chloroform	0.870	0.777	10.7	106	-0.05
28 m	1,1,1-Trichloroethane	0.729	0.670	8.1	104	-0.04
29 S	Dibromofluoromethane	0.642	0.663	-3.3	124	-0.04
30 m	Carbon tetrachloride	0.946	0.671	29.1#	109	-0.04
31	Tetrahydrofuran	0.386	0.280	27.5#	87	-0.05
32	1,1-Dichloropropene	0.960	0.687	28.4#	111	-0.04
33 M	Benzene	1.138	0.944	17.0	100	-0.04
34 m	1,2-Dichloroethane	0.555	0.501	9.7	103	-0.04
35	1,4-Difluorobenzene	1.000	1.000	0.0	125	-0.03
36 M	Trichloroethene	0.569	0.510	10.4	106	-0.03
37 cm	1,2-Dichloropropane	0.487	0.411	15.6	101	-0.03
	Dibromomethane	0.448	0.413	7.8	109	-0.03
39 m	Bromodichloromethane	0.859	0.783	8.8	106	-0.03
40 m	2-Chloroethylvinylether	0.332	0.286	13.9	103	-0.03
41 m	c-1,3-Dichloropropene	0.673	0.626	7.0	110	-0.03
42	Chlorobenzene-d5	1.000	1.000	0.0	123	-0.03
43	MIBK(4-Methyl-2-pentanone)	1.585	1.165	26.5#	91	-0.03

2B  
CRDL Standards for AA and ICP

Lab Name: Friend Laboratory, Inc.

Lab Code: 10252      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: HAZORB

AA CRDL Source: EM & SPEX

ICP CRDL Source: IV-CRA 1-3

Concentration Units: ug/L

Initial Calibration				Continuing Calibration				
Analyte	True	Found	%R	True	Initial Found	%R	ICP Date: 06/01/00	
							Final Found	%R
Aluminum					29.7		27.8	
Antimony				120	111.2	92.7	102.4	85.3
Arsenic					69.4		6	
Barium					18.7		18.6	
Beryllium				10	8.7	87.0	8.9	89.0
Cadmium				10	11.9	119.0	8.3	83.0
Calcium					-2.5		5.1	
Chromium				20	28.2	141.0	24.2	121.0
Cobalt				100	88	88.0	85.7	85.7
Copper				50	45.8	91.6	47.1	94.2
Iron					-5.4		14	
Lead					-10.5		-15.7	
Magnesium					-47.5		-31.4	
Manganese				30	28.6	95.3	28.2	94.0
Mercury								
Nickel				80	68.7	85.9	73.6	92.0
Potassium					16.7		-75.2	
Selenium					-12.5		-55.7	
Silver				20	15	75.0	17.9	89.5
Sodium					-293.2		-480	
Thallium					15.4		20.9	
Vanadium				100	90.1	90.1	92	92.0
Zinc				40	34.8	87.0	34.5	86.3
Boron					2		-1.4	
Tin								

3  
BLANKS

Lab Name: FRIEND LABORATORY, INC.

Contract:

SDG No.: HAZORB

Lab Code: 10252

Case No.:

SAS No.:

ICP Run: 06/01/00

Preparation Blank Matrix (soil/water): WATER

Preparation Blank Concentration Units (ug/L or mg/Kg): ug/L

Analyte	Initial Calibration Blank (ug/L)	C	1	C	2	C	3	C	Preparation Blank	C	M
Aluminum											NR
Antimony											NR
Arsenic	145	U	145	U	145	U	145	U		U	P
Barium	14	U	14	U	14	U	14	U		U	P
Beryllium											NR
Cadmium	5	U	5	U	5	U	5	U		U	P
Calcium											NR
Chromium	10	U	10	U	10	U	10.2			U	P
Cobalt											NR
Copper											NR
Iron											NR
Lead	41	U	41	U	41	U	41	U		U	P
Magnesium											NR
Manganese											NR
Mercury										U	CV
Nickel											NR
Potassium											NR
Selenium	68	U	68	U	68	U	68	U		U	P
Silver	9	U	9	U	9	U	9	U		U	P
Sodium											NR
Thallium											NR
Vanadium											NR
Zinc											NR
Boron											NR
Cyanide											NR

AH = Automated Hydride Vapor

# CHAIN OF CUSTODY RECORD

PROJECT NO.

35640.02

SITE NAME

Hazorb

SAMPLERS (PRINT/SIGNATURE)

John Doerr / John D.

DELIVERY SERVICE: Fed Ex

AIRBILL NO.: 814472413937

LOCATION IDENTIFIER

DATE

TIME

COMP/GRAB

SAMPLE ID

MATRIX

1

5/25/02

1002

Grab

HZ-6A

WS

TOTAL NO. OF CONTAINERS

21

BOTTLE TYPE AND PRESERVATIVE

1 Liter Amber

REMARKS

SAMPLE TYPE

N

BEGINNING DEPTH (IN FEET)

1

ENDING DEPTH (IN FEET)

1

FIELD LOT NO. # (RIPMS ONLY)

1

TESTS

URS Greiner

LAB Friend

COOLER 1 of 1

PAGE 1 of 1

MATRIX CODES

AA - AMBIENT AIR  
SE - SEDIMENT  
SH - HAZARDOUS SOLID WASTE

SL - SLUDGE  
WP - DRINKING WATER  
WW - WASTE WATER

WG - GROUND WATER  
SO - SOIL  
DC - DRILL CUTTINGS

WL - LEACHATE  
GS - SOIL GAS  
WC - DRILLING WATER

WO - OCEAN WATER  
WS - SURFACE WATER  
WQ - WATER FIELD QC

LH - HAZARDOUS LIQUID WASTE  
LF - FLOATING/FREE PRODUCT ON GW TABLE

SAMPLE TYPE CODES

TB# - TRIP BLANK  
SD# - MATRIX SPIKE DUPLICATE

RB# - RINSE BLANK  
FR# - FIELD REPLICATE

NR - NORMAL ENVIRONMENTAL SAMPLE  
MSH - MATRIX SPIKE

(# - SEQUENTIAL NUMBER (FROM 1 TO 9) TO ACCOMMODATE MULTIPLE SAMPLES IN A SINGLE DAY)

RELINQUISHED BY (SIGNATURE)

DATE

RECEIVED BY (SIGNATURE)

DATE

SPECIAL INSTRUCTIONS

RELINQUISHED BY (SIGNATURE)

DATE

RECEIVED FOR LAB BY (SIGNATURE)

DATE

Note: minimum volume

Distribution: Original accompanies shipment, copy to coordinator field files

Ice present in cooler





ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532  
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 14-JUN-2000

LAB SAMPLE ID L50180-13

URS Greiner, Inc.  
Robert Henschel  
282 Delaware Avenue  
Buffalo, NY 14202

SAMPLE SOURCE	HAZORB 0500035787.00
ORIGIN	HZB-9
DESCRIPTION	GRAB
SAMPLED ON	16-MAY-00 16:20 by CLIENT
DATE RECEIVED	17-MAY-00 10:36
P.O. NO	N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Cyanide, Total	U	mg/l	0.01	24-MAY-00	EPA 335.3	00-013-28
Asenic	0.005	mg/l	0.002	25-MAY-00	SM3114B	98-198-18
Barium	U	mg/l	0.016	23-MAY-00	EPA 6010	00-080-04
Cadmium	0.008	mg/l	0.0050	23-MAY-00	EPA 6010	00-080-04
Chromium	X UJ	mg/l	0.010	23-MAY-00	EPA 6010	00-080-04
Lead	0.015	mg/l	0.001	12-JUN-00	EPA 7421	00-025-36
Mercury	U	mg/l	0.0002	24-MAY-00	EPA 7470	98-126-88
Selenium	X UJ	mg/l	0.002	26-MAY-00	SM3114B	96-080-85
Silver	X R	mg/l	0.010	23-MAY-00	EPA 6010	00-080-04
2/28/00						
Bromomethane	U	ug/l	5	23-MAY-00	EPA 8260	00-035-2252
Vinyl chloride	U	ug/l	2	23-MAY-00	EPA 8260	00-035-2252
Chloroethane	U	ug/l	5	23-MAY-00	EPA 8260	00-035-2252
Bromomethane	U	ug/l	5	23-MAY-00	EPA 8260	00-035-2252
1,1-Dichloroethene	U	ug/l	5	23-MAY-00	EPA 8260	00-035-2252
Acetone	U	ug/l	25	23-MAY-00	EPA 8260	00-035-2252
Carbon disulfide	U	ug/l	5	23-MAY-00	EPA 8260	00-035-2252
Methylene chloride	U	ug/l	5	23-MAY-00	EPA 8260	00-035-2252
trans-1,2-Dichloroethene	U	ug/l	5	23-MAY-00	EPA 8260	00-035-2252
1,1-Dichloroethane	U	ug/l	5	23-MAY-00	EPA 8260	00-035-2252
cis-1,2-Dichloroethene	U	ug/l	5	23-MAY-00	EPA 8260	00-035-2252
Methyl ethyl ketone (2-Butanone)	U	ug/l	25	23-MAY-00	EPA 8260	00-035-2252
Chloroform	U	ug/l	5	23-MAY-00	EPA 8260	00-035-2252
1,1,1-Trichloroethane	U	ug/l	5	23-MAY-00	EPA 8260	00-035-2252
Carbon tetrachloride	U	ug/l	5	23-MAY-00	EPA 8260	00-035-2252
Benzene	U	ug/l	0.7	23-MAY-00	EPA 8260	00-035-2252
1,2-Dichloroethane	U	ug/l	5	23-MAY-00	EPA 8260	00-035-2252
Trichloroethene	U	ug/l	5	23-MAY-00	EPA 8260	00-035-2252
1,2-Dichloropropane	U	ug/l	5	23-MAY-00	EPA 8260	00-035-2252
1,1-Dichloroethane	U	ug/l	5	23-MAY-00	EPA 8260	00-035-2252
cis-1,3-Dichloropropene	U	ug/l	5	23-MAY-00	EPA 8260	00-035-2252
Methyl isobutyl ketone	U	ug/l	10	23-MAY-00	EPA 8260	00-035-2252
Toluene	U	ug/l	5	23-MAY-00	EPA 8260	00-035-2252
ne	U	ug/l	5	23-MAY-00	EPA 8260	00-035-2252

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NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by:

Lab Director

EY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)  
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)  
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services.  
Your samples will be discarded after 14 days unless we are advised otherwise.

01287

Title:

- t Calibration: Mon May 22 09:39:23 2000

Compound	1	5	10	20	50	100	200	Avg	1RSD
	0.025.D	0.026.D	0.027.D	0.028.D	0.029.D	0.030.D	0.031.D		
Pentafluorobenzene	ISTD								
Dichlorodifluoromethane	0.660	0.830	0.838	0.954	0.870	0.893	0.930		
Chloromethane	0.694	0.475	0.484	0.540	0.479	0.509	0.522	0.854	11.317
Vinyl chloride	0.359	0.457	0.473	0.531	0.482	0.485	0.500	0.529	14.490
Bromomethane		0.380	0.360	0.415	0.351	0.272	0.306	0.469	11.493
Chloroethane		0.197	0.206	0.236	0.211	0.206	0.212	0.348	14.850
Trichlorofluoromethane		0.806	0.830	0.942	0.848		0.842	0.211	6.323
Acrolein	0.174	0.119	0.140		0.111	0.110		0.854	6.092
1,1,2-Trichloro-1,2,2-trifluoroethane	0.777	1.064	1.081	1.258	1.114			0.131	20.520
1,1-Dichloroethene		0.420	0.429	0.485	0.453	0.322	0.359	1.059	16.556
Iodomethane	0.604	0.743	0.752	0.891	0.773	0.568	0.744	0.412	14.702
Acetone		0.096	0.134	0.136	0.105	0.109		0.725	14.945
Carbon disulfide	0.881	1.045	1.258	1.237	1.151	1.119	1.161	0.116	15.224
Allyl chloride		0.190	0.197	0.231	0.213	0.196		1.122	11.394
Methylene chloride		0.424	0.447	0.521	0.450	0.357		0.205	8.229
MTBE	1.048	0.984	1.038	1.225	1.077	0.838	0.947	0.440	13.332
1,2-Dichloroethene		0.365	0.387	0.443	0.408	0.369	0.380	1.022	11.712
Acrylonitrile	0.135	0.170	0.210		0.205	0.181		0.392	7.432
1,1-Dichloroethane	0.618	0.779	0.795	0.929	0.830	0.773	0.777	0.180	16.651
Vinyl acetate		0.818	0.860	1.167	1.058		0.912	0.786	11.730
1,2-Dichloropropane		0.516	0.617	0.560	0.643	0.557	0.590	0.963	15.145
1,2-Dichloroethene		0.351	0.371	0.444	0.395	0.346	0.349	0.580	7.915
MEK(2-Butanone)		0.643	0.726	0.745	0.594	0.565		0.376	10.102
1-Chloromethane		0.199	0.209	0.261	0.224	0.214	0.221	0.654	12.134
Formaldehyde		0.775	0.822	1.020	0.873	0.811	0.840	0.221	9.709
1,1,1-Trichloroethane		0.638	0.687	0.799	0.726	0.687	0.714	0.857	10.047
Bromofluoromethane	0.607	0.603	0.583	0.596	0.590	0.593	0.553	0.708	7.577
Carbon tetrachloride		1.463	1.024	0.922	0.728	0.684	0.660	0.589	3.030
1,2-Dichloropropene		1.579	1.132	0.983	0.763	0.660	0.645	0.914	13.424
Benzene	1.015	1.045	1.093	1.291	1.131	1.022	1.028	0.960	37.275
1,2-Dichloroethane	0.475	0.503	0.535	0.666	0.561	0.508	0.519	1.089	9.047
1,4-Difluorobenzene	ISTD							0.538	11.596
1-Chloroethene	0.385	0.453	0.507	0.597	0.519	0.584	0.519		
1,2-Dichloropropane	0.376	0.428	0.469	0.571	0.473	0.509	0.542	0.509	14.388
Bromomethane	0.397	0.404	0.457	0.577	0.465	0.498	0.536	0.481	13.878
1,2-Dichloromethane		0.763	0.834	1.095	0.882	0.958	1.048	0.476	13.856
Chloroethylvinylether		0.282	0.259	0.390		0.336	0.387	0.930	13.722
1,3-Dichloropropene		0.599	0.663	0.862	0.705	0.755	0.821	0.331	18.128
Chlorobenzene-d5	ISTD							0.734	13.399
MEK(4-Methyl-2-pentanone)	1.724	1.360							

# Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA\CINSTRUM\C0861.D  
 Acq On : 23 May 100 1:39 pm  
 Sample : 23 50 ug/l 8260 init cal  
 Misc : 25 uL 98-027-187-10 in 5mL H2O  
 MS Integration Params: events.e

Vial: 22  
 Operator: SJB  
 Inst : MSD-C  
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\05-2382.M (Chemstation Integrator)  
 Title :  
 Last Update : Tue May 23 15:52:50 2000  
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	Pentafluorobenzene	1.000	1.000	0.0	100	0.00
2	Dichlorodifluoromethane	0.457	0.455	0.4	100	0.00
3 pm	Chloromethane	0.354	0.351	0.8	100	0.00
4 cm	Vinyl chloride	0.360	0.370	-2.8	100	0.00
5 m	Bromomethane	0.330	0.318	3.6	100	0.00
6 m	Chloroethane	0.194	0.194	0.0	100	0.00
7 m	Trichlorofluoromethane	0.853	0.909	-6.6	100	0.00
8 m	Acrolein	0.054	0.057	-5.6	100	0.00
9	1,1,2-Trichloro-1,2,2-trifl	1.142	1.167	-2.2	100	0.00
10 Mc	1,1-Dichloroethene	0.435	0.451	-3.7	100	0.00
11	Iodomethane	0.861	0.866	-0.6	100	0.00
12 m	Acetone	0.036	0.034	5.6	100	0.00
13	Carbon disulfide	1.099	1.120	-1.9	100	0.00
	Allyl chloride	0.200	0.212	-6.0	100	0.00
15 m	Methylene chloride	0.482	0.464	3.7	100	0.00
16	MTBE	0.954	0.956	-0.2	100	0.00
17 m	t-1,2-Dichloroethene	0.392	0.408	-4.1	100	0.00
18 m	Acrylonitrile	0.077	0.077	0.0	100	0.00
19 pm	1,1-Dichloroethane	0.800	0.822	-2.7	100	0.00
20	Vinyl acetate	0.740	0.746	-0.8	100	0.00
21	2,2-Dichloropropane	0.620	0.609	1.8	100	0.00
22 m	c-1,2-Dichloroethene	0.386	0.404	-4.7	100	0.00
23	MEK(2-Butanone)	0.181	0.165	8.8	100	0.00
24	Bromochloromethane	0.212	0.219	-3.3	100	0.00
25 cm	Chloroform	0.841	0.867	-3.1	100	0.00
26 m	1,1,1-Trichloroethane	0.700	0.724	-3.4	100	0.00
27 S	Dibromofluoromethane	0.632	0.635	-0.5	100	0.00
28 m	Carbon tetrachloride	0.885	0.702	20.7#	100	0.00
29	1,1-Dichloropropene	0.961	0.750	22.0#	100	0.00
30 M	Benzene	1.149	1.172	-2.0	100	0.00
31 m	1,2-Dichloroethane	0.515	0.532	-3.3	100	0.00
32	1,4-Difluorobenzene	1.000	1.000	0.0	100	0.00
33 M	Trichloroethene	0.476	0.491	-3.2	100	0.00
34 cm	1,2-Dichloropropane	0.453	0.470	-3.8	100	0.00
35	Dibromomethane	0.407	0.424	-4.2	100	0.00
36 m	Bromodichloromethane	0.826	0.871	-5.4	100	0.00
37 m	2-Chloroethylvinylether	0.181	0.198	-9.4	100	0.00
38 m	c-1,3-Dichloropropene	0.681	0.705	-3.5	100	0.00
39	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00

(#) = Out of Range

C0861.D 05-2382.M

Fri Jun 16 10:13:57 2000

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## Evaluate Continuing Calibration Report

Data File : C:\HPCHEM\1\DATA1\C0943.D

Vial: 22

Acq On : 31 May 100 10:35 am

Operator: SJB

Sample : 24 50 ug/l 8260 init cal heated purge

Inst : MSD-C

Misc : 12.5 ul 98-027-187-12 in 5 ml

Multiplr: 1.00

MS Integration Params: events.e

Method : C:\HPCHEM\1\METHODS\05-3089.M (Chemstation Integrator)

Title :

Last Update : Wed May 31 07:43:42 2000

Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min

Max. RRF Dev : 20% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	Pentafluorobenzene	1.000	1.000	0.0	112	-0.04
2	Dichlorodifluoromethane	0.372	0.359	3.5	107	0.03
3 p	Chloromethane	0.337	0.267	20.8#	111	0.00
4 c	Vinyl chloride	0.287	0.301	-4.9	115	0.02
5	Bromomethane	0.215	0.211	1.9	120	0.00
6	Chloroethane	0.132	0.133	-0.8	113	0.03
7	Trichlorofluoromethane	0.622	0.583	6.3	108	-0.01
8	Acrolein	0.118	0.114	3.4	123	0.00
9	1,1,2-Trichloro-1,2,2-trifl	0.812	0.831	-2.3	117	-0.03
10 Mc	1,1-Dichloroethene	0.378	0.371	1.9	115	-0.03
11	Iodomethane	0.351	0.424	-20.8#	118	-0.03
12	Acetone	0.101	0.087	13.9	110	0.03
13	Carbon disulfide	0.691	0.713	-3.2	116	-0.03
	Allyl chloride	0.137	0.133	2.9	114	-0.02
	Methylene chloride	0.391	0.367	6.1	112	-0.02
16 m	MTBE	1.246	1.147	7.9	110	0.00
17	t-1,2-Dichloroethene	0.428	0.443	-3.5	116	-0.03
18	Acrylonitrile	0.186	0.177	4.8	118	0.00
19 p	1,1-Dichloroethane	0.683	0.703	-2.9	114	-0.03
20	Vinyl acetate	0.878	0.996	-13.4	132	-0.02
21	Acetonitrile	0.080	0.093	-16.3	139	0.00
22	2,2-Dichloropropane	0.541	0.602	-11.3	123	-0.04
23	c-1,2-Dichloroethene	0.346	0.369	-6.6	116	-0.04
24	MEK(2-Butanone)	0.491	0.451	8.1	116	-0.02
25	Bromochloromethane	0.207	0.221	-6.8	116	-0.04
26 c	Chloroform	0.723	0.745	-3.0	116	-0.04
27	Chloroprene	0.586	0.586	0.0	114	-0.04
28	1,1,1-Trichloroethane	0.662	0.671	-1.4	114	-0.04
29 S	Dibromofluoromethane	0.624	0.610	2.2	109	-0.04
30	Carbon tetrachloride	0.881	0.652	26.0#	105	-0.05
31	1,1-Dichloropropene	0.805	0.617	23.4#	111	-0.04
32 M	Benzene	0.942	0.951	-1.0	116	-0.04
33	1,2-Dichloroethane	0.458	0.472	-3.1	111	-0.03
34	Isobutyl Alcohol	0.060	0.076	-26.7#	140	0.00
35	Propionitrile	0.072	0.082	-13.9	122	-0.01
36	1,4-Difluorobenzene	1.000	1.000	0.0	100	-0.03
37	Methacrylonitrile	0.356	0.406	-14.0	121	-0.03
38 M	Trichloroethene	0.484	0.525	-8.5	113	-0.03
39 c	1,2-Dichloropropane	0.394	0.449	-14.0	114	-0.03
40	Dibromomethane	0.429	0.459	-7.0	107	-0.03

(#)= Out of Range

C0943.D 05-3089.M

Wed May 31 11:13:55 2000

MSD-D

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## SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: FRIEND LABORATORY, INC. Contract: \_\_\_\_\_  
 Lab Code: 10252 Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: HAZOPB  
 Lab File ID (Standard): A1219.D Date Analyzed: 05/31/00  
 Instrument ID: MSD-A Time Analyzed: 11:55

	IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD	2040959	25.31	1627847	33.69	1412116	37.85
UPPER LIMIT	4081918	25.81	3255694	34.19	2824232	38.35
LOWER LIMIT	1020480	24.81	813924	33.19	706058	37.35
NYSDEC SAMPLE NO.						
01 HZ-2	2174685	25.32	1443634	33.69	688168*	37.86
02 HZ-3	2463954	25.32	1597601	33.70	658584*	37.86
03 HZ-4	1978326	25.33	827551	33.69	288680*	37.86
04 HZ-6 DL	2467172	25.32	1528107	33.69	581078*	37.87

IS1 (DCB) = 1,4-Dichlorobenzene-d4  
 IS2 (NPT) = Naphthalene-d8  
 IS3 (ANT) = Acenaphthene-d10  
 IS4 (PHN) = Phenanthrene-d10  
 IS5 (CRY) = Chrysene-d12  
 IS6 (PRY) = Perylene-d12

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = - 50% of internal standard area  
 RT UPPER LIMIT = +0.50 minutes of internal standard RT  
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk.

\* Values outside of contract required QC limits

Data File : C:\HPCHEM\1\DATA\A1205.D  
 Acq On : 30 May 20100 10:18 pm  
 Sample : 80 PPM 8270/TCL  
 Misc : 97-151-49-J  
 MS Integration Params: rteint.p

Vial: 2  
 Operator: CPW  
 Inst : MSD-A  
 Multiplr: 1.00

Method : C:\HPCHEM\1\METHODS\TCLA5-30.M (RTE Integrator)  
 Title : 8270 BNA TARGET COMPOUNDS  
 Last Update : Wed May 31 07:11:40 2000  
 Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 20% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 20% Max. Rel. Area : 500%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I 1,4-DICHLOROBENZENE-d4	1.000	1.000	0.0	99	0.00
2	PYRIDINE	0.916	1.184	-29.3#	113	0.00
3	N-NITROSODIMETHYLAMINE	0.918	0.960	-4.6	100	0.00
4	S 2-FLUOROPHENOL	1.370	1.465	-6.9	102	0.00
5	S PHENOL-D5	1.755	1.767	-0.7	100	0.00
6	ANILINE	2.311	2.267	1.9	98	0.00
7	cm PHENOL	1.773	1.786	-0.7	100	0.00
8	BIS(2-CHLOROETHYLETHER)	1.573	1.622	-3.1	102	0.00
9	m 2-CHLOROPHENOL	1.398	1.384	1.0	98	0.00
10	1,3-DICHLOROBENZENE	1.599	1.642	-2.7	99	0.00
11	cm 1,4-DICHLOROBENZENE	1.582	1.630	-3.0	101	0.00
12	1,2-DICHLOROBENZENE	1.522	1.582	-3.9	101	0.00
13	BENZYL ALCOHOL	0.902	0.873	3.2	93	0.00
14	2-METHYLPHENOL	1.192	1.140	4.4	95	0.00
15	BIS(2-CHLOROISOPROPYLETHER)	2.025	1.998	1.3	99	0.00
16	cm N-NITROSODI-N-PROPYLAMINE	1.046	0.977	6.6	91	0.00
17	HEXACHLOROETHANE	0.704	0.712	-1.1	97	0.00
18	3/4-METHYLPHENOL	0.637	0.642	-0.8	95	0.00
19	I NAPHTHALENE-d8	1.000	1.000	0.0	98	0.00
20	S NITROBENZENE-d5	0.469	0.450	4.1	95	0.00
21	NITROBENZENE	0.449	0.453	-0.9	95	0.00
22	ISOPHORONE	0.900	0.886	1.6	93	0.00
23	c 2-NITROPHENOL	0.245	0.251	-2.4	96	0.00
24	2,4-DIMETHYLPHENOL	0.446	0.428	4.0	91	0.00
25	BIS(2-CHLOROETHOXYMETHANE)	0.513	0.515	-0.4	96	0.00
26	c 2,4-DICHLOROPHENOL	0.323	0.317	1.9	94	0.00
27	BENZOIC ACID	0.214	0.217	-1.4	105	0.00
28	m 1,2,4-TRICHLOROBENZENE	0.330	0.332	-0.6	94	0.00
29	NAPHTHALENE	1.054	1.085	-2.9	98	0.00
30	4-CHLOROANILINE	0.458	0.453	1.1	91	0.00
31	c HEXACHLOROBUTADIENE	0.196	0.199	-1.5	96	0.00
32	cm 4-CHLORO-3-METHYLPHENOL	0.375	0.342	8.8	95	0.00
33	2-METHYLNAPHTHALENE	0.744	0.728	2.2	93	0.00
34	I ACENAPHTHENE-d10	1.000	1.000	0.0	85	0.00
35	c HEXACHLOROCYCLOPENTADIENE	0.301	0.379	-25.9	92	0.00
36	c 2,4,6-TRICHLOROPHENOL	0.348	0.364	-4.6	88	0.00
37	2,4,5-TRICHLOROPHENOL	0.365	0.396	-8.5	86	0.00
38	S 2-FLUOROBIPHENYL	1.373	1.318	4.0	89	0.00
39	2-CHLORONAPHTHALENE	1.191	1.244	-4.5	87	0.00

(#) = Out of Range

A1205.D TCLA5-30.M

Wed May 31 07:22:22 2000

MSD-A

00632  
 Page 1

Form 7  
PESTICIDE CONTINUING CALIBRATION SUMMARY

Lab Name: FRIEND LABORATORY, INC      Contract:  
 Lab Code: 10252      Case No.:      SAS No.:      SDG No.: URS1  
 Instrument ID: HP3      Calibration Date: 05/23/00      Time: 0016  
 Lab File ID: E3959934      Init. Calib. Date(s): 05/18/00      05/19/00  
    Init. Calib. Times:      1529      0020  
 GC Column: RTX-CLPESTICIDES 1 ID: 0.32 (mm)      Length: 30      (m)

COMPOUND	RT	RT WINDOW		SAMPLE AMOUNT	CAL60 AMOUNT	%D
		FROM	TO			
alpha-BHC	11.19	11.09	11.19	65.85	60.00	9.8
beta-BHC	12.20	12.09	12.19	64.98	60.00	8.3
delta-BHC	12.61	12.51	12.61	63.82	60.00	6.4
gamma-BHC (Lindane)	11.97	11.87	11.97	65.74	60.00	9.6
Heptachlor	13.08	12.98	13.08	66.88	60.00	11.5
Aldrin	13.75	13.65	13.75	68.13	60.00	13.6
Heptachlor epoxide	15.05	14.99	15.13	67.47	60.00	12.4
Endosulfan I	15.87	15.74	15.88	67.61	60.00	12.7
Dieldrin	16.35	16.29	16.43	68.52	60.00	14.2
4,4'-DDE	15.74	15.62	15.76	63.95	60.00	6.6
Endrin	16.82	16.76	16.90	75.08	60.00	25.1
Endosulfan II	17.27	17.21	17.35	63.08	60.00	5.1
4,4'-DDD	16.94	16.88	17.02	70.55	60.00	17.6
Endosulfan sulfate	18.94	18.88	19.02	61.69	60.00	2.8
4,4'-DDT	17.49	17.43	17.57	57.74	60.00	3.8
Methoxychlor	18.43	18.36	18.50	57.26	60.00	4.6
Endrin ketone	19.49	19.43	19.57	62.29	60.00	3.8
Endrin aldehyde	18.09	18.03	18.17	59.15	60.00	1.4
<del>Aroclor-101</del>				0.00	250.00	100.0
<del>Aroclor-1016</del>				0.00	250.00	100.0
<del>Aroclor-1016</del>				0.00	250.00	100.0
<del>Aroclor-1016</del>				0.00	250.00	100.0
<del>Aroclor-1016</del>				0.00	250.00	100.0
<del>Aroclor-1221</del>				0.00	500.00	100.0
<del>Aroclor-1221</del>				0.00	500.00	100.0
<del>Aroclor-1221</del>				0.00	500.00	100.0
<del>Aroclor-1221</del>				0.00	500.00	100.0
<del>Aroclor-1221</del>				0.00	500.00	100.0
<del>Aroclor-1221</del>				0.00	500.00	100.0
<del>Aroclor-1232</del>				0.00	250.00	100.0
<del>Aroclor-1232</del>				0.00	250.00	100.0
<del>Aroclor-1232</del>				0.00	250.00	100.0
<del>Aroclor-1232</del>				0.00	250.00	100.0
<del>Aroclor-1232</del>				0.00	250.00	100.0
<del>Aroclor-1242</del>				0.00	250.00	100.0
<del>Aroclor-1242</del>				0.00	250.00	100.0
<del>Aroclor-1242</del>				0.00	250.00	100.0
<del>Aroclor-1242</del>				0.00	250.00	100.0
<del>Aroclor-1242</del>				0.00	250.00	100.0
<del>Aroclor-1254</del>				0.00	250.00	100.0
<del>Aroclor-1254</del>				0.00	250.00	100.0
<del>Aroclor-1254</del>				0.00	250.00	100.0
<del>Aroclor-1254</del>				0.00	250.00	100.0
<del>Aroclor-1254</del>				0.00	250.00	100.0

QC LIMITS: Percent D of amounts in Continuing Calibration  
must be less than or equal to 15 percent.

2A  
INITIAL AND CONTINUING CALIBRATION

Lab Name: Friend Laboratory Inc

Contract:

SDG No.: HAZORB

Lab Code: 10252

Case No.:

SAS No.:

ICP Run: 05/23/00

Initial Calibration Source: In-house Alternate

Page 1 of 4

Continuing Calibration Source: In-house Alternate

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	% R(1)	True	Found	% R(1)	Found	% R(1)	
Aluminum	2000			10000					
Antimony	1000			5000					
Arsenic	5	4.814	96.3	5	5.024	100.5	4.509	90.2	AH
Barium	2000	2007.1	100.4	10000	9977.4	99.8	9879.2	98.8	P
Beryllium	50			250					
Cadmium	500	511	102.2	2500	2510.4	100.4	2488.9	99.6	P
Calcium	5000			25000					
Chromium	200	190.7	95.4	1000	1001.4	100.1	991.8	99.2	P
Cobalt	500			2500					
Copper	250			1250					
Iron	1000			5000					
Lead	20	20.3	101.5	20	20.2	101.0	20.1	100.5	F
Magnesium	5000			25000					
Manganese	500			2500					
Mercury	2	1.974	98.7	2	1.88	94.0	1.977	98.9	CV
Nickel	500			2500					
Potassium	5000			25000					
Selenium	5	5.28	105.6	5	5.264	105.3	5.717	114.3	AH
Silver	250	255.9	102.4	1250	1248.6	99.9	1241.7	99.3	P
Sodium	5000			25000					
Thallium	15			15					
Vanadium	500			2500					
Zinc	500			2500					
Boron	200			1000					
Cyanide	182	181.9	99.9	92.8	98	105.6	101.1	108.9	AS

(1) Control Limits = 90-110%

Note: Some Hydride runs (AH) use lab generated limits

FORM II (PART 1) - IN

01291



2B  
CRDL Standards for AA and ICP

Lab Name: Friend Laboratory, Inc.

Lab Code: 10252      Case No.: \_\_\_\_\_      SAS No.: \_\_\_\_\_      SDG No.: HAZORB

AA CRDL Source: EM & SPEX

ICP CRDL Source: IV-CRA 1-3

Concentration Units: ug/L

Initial Calibration				Continuing Calibration				
Analyte	True	Found	%R	True	Initial Found	%R	ICP Date: 05/23/00	
							Final Found	%R
Aluminum							-2.2	
Antimony				120			117.5	97.9
Arsenic							20.3	
Barium							20	
Beryllium				10			9	90.0
Cadmium				10			6.8	68.0
Calcium							11.3	
Chromium				20			14.5	72.5
Cobalt				100			96.1	96.1
Copper				50			46.9	93.8
Iron							6.1	
Lead	3.0	3.4	113.3				11.9	
Magnesium							-8.1	
Manganese				30			28.6	95.3
Mercury	0.200	0.168	84.0					
Nickel				80			79.2	99.0
Potassium							-27.7	
Selenium							93.6	
Silver				20			9.5	47.5
Sodium							286.8	
Thallium							-18.4	
Vanadium				100			96.8	96.8
Zinc				40			37.8	94.5
Boron							16.6	
Cyanide								

DB5MS 0.25-mm ID capillary columns are used with a Hewlett-Packard 5890 GC in combination with a 5971A Mass Selective Detector. An HP 7673 autosampler is used to inject samples. HP Chemstation version B.02.04 is used to acquire data. HP Chemstation Enviroquant software G1701AA version A.03.00 is used to process data. The current mass spectral library is the NIST NBS75K.

Surrogate recoveries were within acceptance limits.

One blank spike was associated with the site sample. Recoveries were within limits.

No analytical difficulties were encountered.

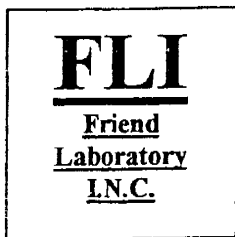
### **Usability Assessment**

All reported data were found to be valid and usable within the EPA National Functional Validation guidelines except those that were qualified in this Laboratory Validation.

Laboratory validation and  
Usability assessment conducted by: \_\_\_\_\_

Date: June 16, 2000

Teresa B. Bishop  
Quality Assurance



## Laboratory Validation and Usability Assessment

**Project:** URS Greiner, Inc.  
35640.02 Hazorb  
Sampled May 25, 2000

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The data reported in this package have been reviewed for compliance with QC acceptance limits as specified in the method cited for each analysis.

These statistical limits are typically based on historical laboratory data for a given sample matrix, and will not exceed any default limits specified by the method. CLP acceptance limits are also considered.

The following Quality Control operations are considered in the validation of reported results:

Holding times, surrogate recovery, spiked sample recovery, duplicates/spiked duplicate precision, tuning criteria, internal standard variation, continuing calibration variation, reference (check) sample recovery, and instrument, method, trip and field blanks. The appropriate frequency for each operation is also considered.

Every effort has been made to report data that is compliant with the EPA methodology cited for each analysis. In cases where the laboratory was unable to meet all method requirements prior to sample expiry, either due to the nature of the sample or other technical difficulty, results are reported with qualification with the understanding that qualified results may not be suitable for compliance purposes. The internal technical review is based on the USEPA Contract Laboratory Program *National Functional Guidelines for Organic Review* (EPA 540/R-94/012, February 1994) and *National Functional Guidelines for Inorganic Review* (EPA 540/R-94/013, February 1994).

### Validation

One water sample was received for analysis TCL Semivolatiles on May 26, 2000. The sample was received on ice.

### Semivolatiles

The site sample was analyzed for Target Compound List by EPA method 8270 using a one-microliter injection.



ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532  
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 14-JUN-2000

LAB SAMPLE ID L50180-7

URS Greiner, Inc.  
Robert Henschel  
282 Delaware Avenue  
Buffalo, NY 14202

SAMPLE SOURCE	HAZORB 0500035787.00
ORIGIN	HZ-2
DESCRIPTION	COMPOSITE
SAMPLED ON	16-MAY-00 12:15 by CLIENT
DATE RECEIVED	17-MAY-00 10:36
P.O. NO.	N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	84.7	%		18-MAY-00	CLP 3.0	00-010-96
Arsenic	U	mg/kg	13.9	01-JUN-00	EPA 6010	00-080-06
Barium	40.9	mg/kg	1.85	01-JUN-00	EPA 6010	00-080-06
Cadmium	U	mg/kg	0.5790	01-JUN-00	EPA 6010	00-080-06
Chromium	14.2	mg/kg	1.16	01-JUN-00	EPA 6010	00-080-06
Lead	12.1	mg/kg	5.09	01-JUN-00	EPA 6010	00-080-06
Mercury	0.073	mg/kg	0.0110	31-MAY-00	EPA 7470	98-126-89
Selenium	U	mg/kg	8.10	01-JUN-00	EPA 6010	00-080-06
Silver	U	mg/kg	1.16	01-JUN-00	EPA 6010	00-080-06
2/2/01						
alpha-BHC	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0100F
gamma-BHC	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0100F
Lindane (gamma-BHC)	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0100F
delta-BHC	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0100F
Heptachlor	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0100F
Dieldrin	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0100F
Heptachlor epoxide	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0100F
alpha-Chlordane	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0100F
Endosulfan I	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0100F
gamma-Chlordane	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0100F
4'-DDE	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0100F
Dieldrin	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0100F
Endrin	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0100F
Endosulfan II	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0100F
4'-DDD	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0100F
Endrin ketone	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0100F
Endrin aldehyde	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0100F
Endosulfan sulfate	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0100F
4'-DDT	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0100F
Heptachlor	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0100F
Endrin	U	mg/kg	0.6	31-MAY-00	EPA 8081	99-127-0100F

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NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by:

Lab Director

EY: ND or U = None Detected  
mg/L = milligrams per liter (equivalent to parts per million)  
B = analyte was detected in the method or trip blank

< = less than

ug/L = micrograms per liter (equivalent to parts per billion)

mg/kg = milligrams per kilogram (equivalent to parts per million)

J = result estimated below the quantitation limit

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services. Our samples will be discarded after 14 days unless we are advised otherwise.

01283



ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532  
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 14-JUN-2000

LAB SAMPLE ID L50180-8

URS Greiner, Inc.  
Robert Henschel  
282 Delaware Avenue  
Buffalo, NY 14202

SAMPLE SOURCE	HAZORB 0500035787.00
ORIGIN	HZ-3
DESCRIPTION	COMPOSITE
SAMPLED ON	16-MAY-00 11:40 by CLIENT
DATE RECEIVED	17-MAY-00 10:36
P.O. NO.	N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	86.6	%		18-MAY-00	CLP 3.0	00-010-96
Benic	U	mg/kg	12.7	01-JUN-00	EPA 6010	00-080-06
Barium	66.3	mg/kg	1.70	01-JUN-00	EPA 6010	00-080-06
Cadmium	3.3	mg/kg	0.5300	01-JUN-00	EPA 6010	00-080-06
Chromium	38.5	mg/kg	1.06	01-JUN-00	EPA 6010	00-080-06
Cobalt	32.5	mg/kg	4.66	01-JUN-00	EPA 6010	00-080-06
Copper	U	mg/kg	0.0110	31-MAY-00	EPA 7470	98-126-89
Selenium	U	mg/kg	7.42	01-JUN-00	EPA 6010	00-080-06
Lead	U	mg/kg	1.06	01-JUN-00	EPA 6010	00-080-06
<b>PCB ANALYSIS</b>						
1-BHC	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0101F
2-BHC	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0101F
Lindane (gamma-BHC)	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0101F
delta-BHC	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0101F
Heptachlor	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0101F
Endrin	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0101F
Heptachlor epoxide	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0101F
alpha-Chlordane	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0101F
Endosulfan I	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0101F
gamma-Chlordane	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0101F
4'-DDE	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0101F
Endrin	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0101F
Endrin	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0101F
Endosulfan II	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0101F
4'-DDT	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0101F
Endrin ketone	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0101F
Endrin aldehyde	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0101F
Endosulfan sulfate	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0101F
4,4'-DDT	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0101F
Heptachlor	U	mg/kg	0.06	31-MAY-00	EPA 8081	99-127-0101F
Heptachlor	U	mg/kg	0.6	31-MAY-00	EPA 8081	99-127-0101F

Page 1

NY 10252

NJ 73168

PA 68180

EPA NY 00033

Approved by:

Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)  
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)  
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services.  
Our samples will be discarded after 14 days unless we are advised otherwise.

01284



ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532  
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 14-JUN-2000

LAB SAMPLE ID L50180-9

URS Greiner, Inc.  
Robert Henschel  
282 Delaware Avenue  
Buffalo, NY 14202

SAMPLE SOURCE	HAZORB 0500035787.00
ORIGIN	HZ-4
DESCRIPTION	COMPOSITE
SAMPLED ON	16-MAY-00 13:45 by CLIENT
DATE RECEIVED	17-MAY-00 10:36
P.O. NO.	N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	81.6	%		18-MAY-00	CLP 3.0	00-010-96
Arsenic	U	mg/kg	14.0	01-JUN-00	EPA 6010	00-080-06
Barium	44.8	mg/kg	1.86	01-JUN-00	EPA 6010	00-080-06
Cadmium	U	mg/kg	0.5820	01-JUN-00	EPA 6010	00-080-06
Chromium	17.2	mg/kg	1.16	01-JUN-00	EPA 6010	00-080-06
Lead	35.1	mg/kg	5.12	01-JUN-00	EPA 6010	00-080-06
Mercury	U	mg/kg	0.0120	31-MAY-00	EPA 7470	98-126-89
Selenium	U	mg/kg	8.15	01-JUN-00	EPA 6010	00-080-06
Silver	U	mg/kg	1.16	01-JUN-00	EPA 6010	00-080-06
1-BHC	U	mg/kg	0.06	01-JUN-00	EPA 8081	99-127-0102F
2-BHC	U	mg/kg	0.06	01-JUN-00	EPA 8081	99-127-0102F
gamma-BHC	U	mg/kg	0.06	01-JUN-00	EPA 8081	99-127-0102F
delta-BHC	U	mg/kg	0.06	01-JUN-00	EPA 8081	99-127-0102F
Heptachlor	U	mg/kg	0.06	01-JUN-00	EPA 8081	99-127-0102F
Endrin	U	mg/kg	0.06	01-JUN-00	EPA 8081	99-127-0102F
Heptachlor epoxide	U	mg/kg	0.06	01-JUN-00	EPA 8081	99-127-0102F
alpha-Chlordane	U	mg/kg	0.06	01-JUN-00	EPA 8081	99-127-0102F
Endosulfan I	U	mg/kg	0.06	01-JUN-00	EPA 8081	99-127-0102F
gamma-Chlordane	U	mg/kg	0.06	01-JUN-00	EPA 8081	99-127-0102F
4'-DDE	U	mg/kg	0.06	01-JUN-00	EPA 8081	99-127-0102F
Endrin	U	mg/kg	0.06	01-JUN-00	EPA 8081	99-127-0102F
Endosulfan II	U	mg/kg	0.06	01-JUN-00	EPA 8081	99-127-0102F
4,4'-DDD	U	mg/kg	0.06	01-JUN-00	EPA 8081	99-127-0102F
Endrin ketone	U	mg/kg	0.06	01-JUN-00	EPA 8081	99-127-0102F
Endrin aldehyde	U	mg/kg	0.06	01-JUN-00	EPA 8081	99-127-0102F
Endosulfan sulfate	U	mg/kg	0.06	01-JUN-00	EPA 8081	99-127-0102F
4,4'-DDT	U	mg/kg	0.06	01-JUN-00	EPA 8081	99-127-0102F
Phoxychlor	U	mg/kg	0.6	01-JUN-00	EPA 8081	99-127-0102F

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NY 10252 NJ 73168 PA 66180 EPA NY 00033

Approved by:

Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)  
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)  
B = analyte was detected in the method or trip blank J = result estimated below the quantitation limit

The information in this report is accurate to the best of our knowledge and ability. In no event shall our liability exceed the cost of these services.  
Our samples will be discarded after 14 days unless we are advised otherwise.

01285



ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532  
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 14-JUN-2000

LAB SAMPLE ID L50180-10

URS Greiner, Inc.  
Robert Henschel  
282 Delaware Avenue  
Buffalo, NY 14202

SAMPLE SOURCE	HAZORB 0500035787.00
ORIGIN	HZ-8
DESCRIPTION	COMPOSITE
SAMPLED ON	16-MAY-00 14:15 by CLIENT
DATE RECEIVED	17-MAY-00 10:36
P.O. NO.	N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	60.2	%		18-MAY-00	CLP 3.0	00-010-96
Arsenic	U	mg/kg	18.8	01-JUN-00	EPA 6010	00-080-06
Barium	120	mg/kg	2.51	01-JUN-00	EPA 6010	00-080-06
Cadmium	1.52	mg/kg	0.7840	01-JUN-00	EPA 6010	00-080-06
Chromium	56.8	mg/kg	1.57	01-JUN-00	EPA 6010	00-080-06
Lead	478	mg/kg	6.90	01-JUN-00	EPA 6010	00-080-06
Mercury	0.02	mg/kg	0.0170	31-MAY-00	EPA 7470	98-126-89
Selenium	U	mg/kg	11.0	01-JUN-00	EPA 6010	00-080-06
Silver	U	mg/kg	1.57	01-JUN-00	EPA 6010	00-080-06
<hr/>						
alpha-BHC	U	mg/kg	0.16	01-JUN-00	EPA 8081	99-127-0103F
beta-BHC	U	mg/kg	0.16	01-JUN-00	EPA 8081	99-127-0103F
Lindane (gamma-BHC)	U	mg/kg	0.16	01-JUN-00	EPA 8081	99-127-0103F
delta-BHC	U	mg/kg	0.16	01-JUN-00	EPA 8081	99-127-0103F
Heptachlor	U	mg/kg	0.16	01-JUN-00	EPA 8081	99-127-0103F
lindrin	U	mg/kg	0.16	01-JUN-00	EPA 8081	99-127-0103F
Heptachlor epoxide	U	mg/kg	0.16	01-JUN-00	EPA 8081	99-127-0103F
alpha-Chlordane	U	mg/kg	0.16	01-JUN-00	EPA 8081	99-127-0103F
Endosulfan I	U	mg/kg	0.16	01-JUN-00	EPA 8081	99-127-0103F
gamma-Chlordane	U	mg/kg	0.16	01-JUN-00	EPA 8081	99-127-0103F
4,4'-DDT	U	mg/kg	0.16	01-JUN-00	EPA 8081	99-127-0103F
ieldrin	U	mg/kg	0.16	01-JUN-00	EPA 8081	99-127-0103F
Endrin	U	mg/kg	0.16	01-JUN-00	EPA 8081	99-127-0103F
Endosulfan II	U	mg/kg	0.16	01-JUN-00	EPA 8081	99-127-0103F
4,4'-DDD	U	mg/kg	0.16	01-JUN-00	EPA 8081	99-127-0103F
lindrin ketone	U	mg/kg	0.16	01-JUN-00	EPA 8081	99-127-0103F
lindrin aldehyde	U	mg/kg	0.16	01-JUN-00	EPA 8081	99-127-0103F
Endosulfan sulfate	U	mg/kg	0.16	01-JUN-00	EPA 8081	99-127-0103F
4,4'-DDT	U	mg/kg	0.16	01-JUN-00	EPA 8081	99-127-0103F
thoxychlor	U	mg/kg	1.5	01-JUN-00	EPA 8081	99-127-0103F

Page 1

Approved by:

Lab Director

KEY: ND or U = None Detected  
mg/L = milligrams per liter (equivalent to parts per million)  
B = analyte was detected in the method or trip blank

ug/L = micrograms per liter (equivalent to parts per billion)  
mg/kg = milligrams per kilogram (equivalent to parts per million)  
J = result estimated below the quantitation limit

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Your samples will be discarded after 14 days unless we are advised otherwise.

01286



ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532  
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 14-JUN-2000

LAB SAMPLE ID L50180-12

URS Greiner, Inc.  
Robert Henschel  
282 Delaware Avenue  
Buffalo, NY 14202

SAMPLE SOURCE	HAZORB 0500035787.00
ORIGIN	HZB-6A
DESCRIPTION	GRAB
SAMPLED ON	16-MAY-00 15:40 by CLIENT
DATE RECEIVED	17-MAY-00 10:36
P.O. NO.	N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Cyanide, Total	0.013	mg/l	0.01	24-MAY-00	EPA 335.3	00-013-28
Arsenic	U	mg/l	0.002	25-MAY-00	SM31148	98-198-18
Barium	0.016	mg/l	0.016	23-MAY-00	EPA 6010	00-080-04
Cadmium	U	mg/l	0.0050	23-MAY-00	EPA 6010	00-080-04
Chromium	✓ U5	mg/l	0.010	23-MAY-00	EPA 6010	00-080-04
Lead	0.013	mg/l	0.001	12-JUN-00	EPA 7421	00-025-36
Mercury	U	mg/l	0.0002	24-MAY-00	EPA 7470	98-126-88
Selenium	✓ U5	mg/l	0.002	26-MAY-00	SM31148	96-080-85
Silver	✓ R	mg/l	0.010	23-MAY-00	EPA 6010	00-080-04
2/20/01 R						
Bromomethane	U	ug/l	5	23-MAY-00	EPA 8260	00-035-2253
Ethyl chloride	U	ug/l	2	23-MAY-00	EPA 8260	00-035-2253
Chloroethane	U	ug/l	5	23-MAY-00	EPA 8260	00-035-2253
Bromomethane	U	ug/l	5	23-MAY-00	EPA 8260	00-035-2253
1,1-Dichloroethene	U	ug/l	5	23-MAY-00	EPA 8260	00-035-2253
Petone	U	ug/l	25	23-MAY-00	EPA 8260	00-035-2253
Carbon disulfide	U	ug/l	5	23-MAY-00	EPA 8260	00-035-2253
Methylene chloride	U	ug/l	5	23-MAY-00	EPA 8260	00-035-2253
trans-1,2-Dichloroethene	U	ug/l	5	23-MAY-00	EPA 8260	00-035-2253
1,1-Dichloroethane	U	ug/l	5	23-MAY-00	EPA 8260	00-035-2253
cis-1,2-Dichloroethene	U	ug/l	5	23-MAY-00	EPA 8260	00-035-2253
Ethyl ethyl ketone (2-Butanone)	U	ug/l	25	23-MAY-00	EPA 8260	00-035-2253
Chloroform	U	ug/l	5	23-MAY-00	EPA 8260	00-035-2253
1,1,1-Trichloroethane	U	ug/l	5	23-MAY-00	EPA 8260	00-035-2253
Carbon tetrachloride	U	ug/l	5	23-MAY-00	EPA 8260	00-035-2253
Benzene	U	ug/l	0.7	23-MAY-00	EPA 8260	00-035-2253
1,2-Dichloroethane	U	ug/l	5	23-MAY-00	EPA 8260	00-035-2253
Trichloroethene	U	ug/l	5	23-MAY-00	EPA 8260	00-035-2253
1,2-Dichloropropane	U	ug/l	5	23-MAY-00	EPA 8260	00-035-2253
Bromodichloromethane	U	ug/l	5	23-MAY-00	EPA 8260	00-035-2253
cis-1,3-Dichloropropene	U	ug/l	5	23-MAY-00	EPA 8260	00-035-2253
Ethyl isobutyl ketone	U	ug/l	10	23-MAY-00	EPA 8260	00-035-2253
Toluene	U	ug/l	5	23-MAY-00	EPA 8260	00-035-2253
	U	ug/l	5	23-MAY-00	EPA 8260	00-035-2253

Page 1

NY 10252 NJ 73168 PA 62180 EPA NY 00033

Approved by:

Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)  
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)  
B = analyte was detected in the method or trip blank U = result estimated below the quantitation limit

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ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532  
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 14-JUN-2000

LAB SAMPLE ID L50180-15

URS Greiner, Inc.  
Robert Henschel  
282 Delaware Avenue  
Buffalo, NY 14202

SAMPLE SOURCE	HAZORB 0500035787.00
ORIGIN	HZ-5
DESCRIPTION	COMPOSITE
SAMPLED ON	16-MAY-00 16:15 by CLIENT
DATE RECEIVED	17-MAY-00 10:36
P.O. NO.	N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	93.9	%		18-MAY-00	CLP 3.0	00-010-96
Arsenic	U	mg/kg	12.1	01-JUN-00	EPA 6010	00-080-06
Barium	8.06	mg/kg	1.61	01-JUN-00	EPA 6010	00-080-06
Cadmium	U	mg/kg	0.5020	01-JUN-00	EPA 6010	00-080-06
Chromium	16	mg/kg	1.00	01-JUN-00	EPA 6010	00-080-06
Lead	5.48	mg/kg	4.42	01-JUN-00	EPA 6010	00-080-06
Mercury	U	mg/kg	0.0090	31-MAY-00	EPA 7470	98-126-89
Selenium	U	mg/kg	7.03	01-JUN-00	EPA 6010	00-080-06
Silver	U	mg/kg	1.00	01-JUN-00	EPA 6010	00-080-06
<b>PCB ANALYSIS</b>						
alpha-BHC	U	mg/kg	0.05	01-JUN-00	EPA 8081	99-127-0104F
beta-BHC	U	mg/kg	0.05	01-JUN-00	EPA 8081	99-127-0104F
Lindane (gamma-BHC)	U	mg/kg	0.05	01-JUN-00	EPA 8081	99-127-0104F
delta-BHC	U	mg/kg	0.05	01-JUN-00	EPA 8081	99-127-0104F
Heptachlor	U	mg/kg	0.05	01-JUN-00	EPA 8081	99-127-0104F
Aldrin	U	mg/kg	0.05	01-JUN-00	EPA 8081	99-127-0104F
Heptachlor epoxide	U	mg/kg	0.05	01-JUN-00	EPA 8081	99-127-0104F
alpha-Chlordane	U	mg/kg	0.05	01-JUN-00	EPA 8081	99-127-0104F
Endosulfan I	U	mg/kg	0.05	01-JUN-00	EPA 8081	99-127-0104F
gamma-Chlordane	U	mg/kg	0.05	01-JUN-00	EPA 8081	99-127-0104F
4,4'-DDE	U	mg/kg	0.05	01-JUN-00	EPA 8081	99-127-0104F
Dieldrin	U	mg/kg	0.05	01-JUN-00	EPA 8081	99-127-0104F
Endrin	U	mg/kg	0.05	01-JUN-00	EPA 8081	99-127-0104F
Endosulfan II	U	mg/kg	0.05	01-JUN-00	EPA 8081	99-127-0104F
4,4'-DDD	U	mg/kg	0.05	01-JUN-00	EPA 8081	99-127-0104F
Endrin ketone	U	mg/kg	0.05	01-JUN-00	EPA 8081	99-127-0104F
Endrin aldehyde	U	mg/kg	0.05	01-JUN-00	EPA 8081	99-127-0104F
Endosulfan sulfate	U	mg/kg	0.05	01-JUN-00	EPA 8081	99-127-0104F
4,4'-DDT	U	mg/kg	0.05	01-JUN-00	EPA 8081	99-127-0104F
Methoxychlor	U	mg/kg	0.5	01-JUN-00	EPA 8081	99-127-0104F

Page 1

QC MLD NY 10252 NJ 73153 PA 68130 EPA NY 00033

Approved by: [Signature]

Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)  
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)  
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01289



ONE RESEARCH CIRCLE WAVERLY, NY 14892-1532  
TELEPHONE (607) 565-3500 FAX (607) 565-4083

DATE 14-JUN-2000

LAB SAMPLE ID L50180-16

URS Greiner, Inc.  
Robert Henschel  
282 Delaware Avenue  
Buffalo, NY 14202

SAMPLE SOURCE	HAZORB 0500035787.00
ORIGIN	HZ-6
DESCRIPTION	COMPOSITE
SAMPLED ON	16-MAY-00 16:20 by CLIENT
DATE RECEIVED	17-MAY-00 10:36
P.O. NO.	N/A

Analysis Performed	Result	Units	Detection Limit	Date Analyzed	Method	Notebook Reference
Total Solids	90.5	%		18-MAY-00	CLP 3.0	00-010-96
Arsenic	U	mg/kg	11.8	01-JUN-00	EPA 6010	00-080-06
Barium	16.7	mg/kg	1.58	01-JUN-00	EPA 6010	00-080-06
Cadmium	U	mg/kg	0.4930	01-JUN-00	EPA 6010	00-080-06
Chromium	24.7	mg/kg	0.987	01-JUN-00	EPA 6010	00-080-06
Lead	18	mg/kg	4.34	01-JUN-00	EPA 6010	00-080-06
Mercury	U	mg/kg	0.0110	31-MAY-00	EPA 7470	98-126-89
Selenium	U	mg/kg	6.91	01-JUN-00	EPA 6010	00-080-06
Silver	U	mg/kg	0.987	01-JUN-00	EPA 6010	00-080-06
o-BHC	U	mg/kg	0.5	01-JUN-00	EPA 8081	99-127-0127F
o-BHC	U	mg/kg	0.5	01-JUN-00	EPA 8081	99-127-0127F
Lindane (gamma-BHC)	U	mg/kg	0.5	01-JUN-00	EPA 8081	99-127-0127F
delta-BHC	U	mg/kg	0.5	01-JUN-00	EPA 8081	99-127-0127F
Heptachlor	U	mg/kg	0.5	01-JUN-00	EPA 8081	99-127-0127F
Aldrin	U	mg/kg	0.5	01-JUN-00	EPA 8081	99-127-0127F
Heptachlor epoxide	U	mg/kg	0.5	01-JUN-00	EPA 8081	99-127-0127F
alpha-Chlordane	U	mg/kg	0.5	01-JUN-00	EPA 8081	99-127-0127F
Endosulfan I	U	mg/kg	0.5	01-JUN-00	EPA 8081	99-127-0127F
gamma-Chlordane	U	mg/kg	0.5	01-JUN-00	EPA 8081	99-127-0127F
4,4'-DDE	U	mg/kg	0.5	01-JUN-00	EPA 8081	99-127-0127F
Dieldrin	U	mg/kg	0.5	01-JUN-00	EPA 8081	99-127-0127F
Endrin	U	mg/kg	0.5	01-JUN-00	EPA 8081	99-127-0127F
Endosulfan II	U	mg/kg	0.5	01-JUN-00	EPA 8081	99-127-0127F
4,4'-DDD	U	mg/kg	0.5	01-JUN-00	EPA 8081	99-127-0127F
Endrin ketone	U	mg/kg	0.5	01-JUN-00	EPA 8081	99-127-0127F
Endrin aldehyde	U	mg/kg	0.5	01-JUN-00	EPA 8081	99-127-0127F
Endosulfan sulfate	U	mg/kg	0.5	01-JUN-00	EPA 8081	99-127-0127F
4,4'-DDT	U	mg/kg	0.5	01-JUN-00	EPA 8081	99-127-0127F
Methoxychlor	U	mg/kg	5	01-JUN-00	EPA 8081	99-127-0127F

Page 1

QC *PLD* NY 10252 NJ 73168 PA 68180 EPA NY 00033

Approved by: *[Signature]*

Lab Director

KEY: ND or U = None Detected < = less than ug/L = micrograms per liter (equivalent to parts per billion)  
mg/L = milligrams per liter (equivalent to parts per million) mg/kg = milligrams per kilogram (equivalent to parts per million)  
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01290

**ATTACHMENT 2**  
**SUPPORT DOCUMENTATION**

# CHAIN OF CUSTODY RECORD

TESTS

URS Greiner

BOTTLE TYPE AND PRESERVATIVE

150180

150180

HAZARDOUS LIQUID WASTE  
10% DMS/PPH DRAINAGE FROM F-01

DECONTAMINATED  
WATER

DECONTAMINATED  
WATER

DECONTAMINATED  
WATER

DECONTAMINATED  
WATER

DECONTAMINATED  
WATER

DECONTAMINATED  
WATER

DATE OF ANALYSIS: 10/1/80

ANALYST: J. L. HARRIS

LABORATORY: 150180

PROJECT: 150180

150180

# CHAIN OF CUSTODY RECORD

PROJECT NO. 0500035787.00  
 SAMPERS (PRINT/SIGNATURE) *Jason Kelly*  
 SITE NAME Hazor  
 DELIVERY SERVICE: Fed Ex AIRBILL NO.: 321225405911

LOCATION IDENTIFIER	DATE	TIME	COMP/GRAB	SAMPLE ID	MATRIX	TOTAL NO. OF CONTAINERS
14	5/16/00	12:20	Grab	HZB-W-18	WG	2
15	↓	16:15	Comp	HZ-5		2
16	↓	16:20	Comp	HZ-6		2

*Jason Kelly*  
 RECEIVED FOR LAB BY (SIGNATURE)  
 DATE 5/16/00 TIME 18:00

## TESTS

VOC  
 SVOC PCB/PBT  
 RCRA Metals

## BOTTLE TYPE AND PRESERVATIVE

LOC	CONT	DATE	TIME	TESTS	FIELD LOT NO. # (RPMs ONLY)
40 ml	800	5/16/00	18:00	W	
2	2			W	
2	2			W	

## URS Greiner

LAB Friend  
 COOLER 1 of 1  
 PAGE 2 of 2

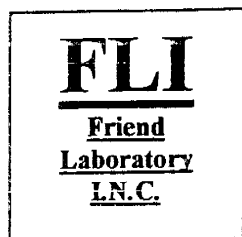
MATRIX CODES	AA - AMBIENT AIR	SE - SEDIMENT	SH - HAZARDOUS SOLID WASTE	SL - SLUDGE	WP - DRINKING WATER	WM - WASTE WATER	WG - GROUND WATER	WS - SOIL	DC - DRILL CUTTINGS	WL - LEACHATE	GS - SOIL GAS	WC - DRILLING WATER	WO - OCEAN WATER	WS - SURFACE WATER	WC - WATER FIELD OC	UH - HAZARDOUS LIQUID WASTE	LF - FLOATING/FREE PRODUCTION-GW TABLE
SAMPLE TYPE CODES	TB# - TRIP BLANK	SD# - MATRIX SPIKE DUPLICATE	RB# - RINSE BLANK	FR# - FIELD REPLICATE	N# - NORMAL ENVIRONMENTAL SAMPLE	MS# - MATRIX SPIKE											

REINQUISHED BY (SIGNATURE) *Jason Kelly* DATE 5/16/00 TIME 18:00

REINQUISHED BY (SIGNATURE) *Jason Kelly* DATE 5/16/00 TIME 18:00

## SPECIAL INSTRUCTIONS

Distribution: Original accompanies shipment, copy to coordinator field files



## Laboratory Validation and Usability Assessment

**Project:** URS Greiner, Inc.  
35640.02 Hazorb  
Sampled May 16, 2000

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The data reported in this package have been reviewed for compliance with QC acceptance limits as specified in the method cited for each analysis.

These statistical limits are typically based on historical laboratory data for a given sample matrix, and will not exceed any default limits specified by the method. CLP acceptance limits are also considered.

The following Quality Control operations are considered in the validation of reported results:

Holding times, surrogate recovery, spiked sample recovery, duplicates/spiked duplicate precision, tuning criteria, internal standard variation, continuing calibration variation, reference (check) sample recovery, and instrument, method, trip and field blanks. The appropriate frequency for each operation is also considered.

Every effort has been made to report data that is compliant with the EPA methodology cited for each analysis. In cases where the laboratory was unable to meet all method requirements prior to sample expiry, either due to the nature of the sample or other technical difficulty, results are reported with qualification with the understanding that qualified results may not be suitable for compliance purposes. The internal technical review is based on the USEPA Contract Laboratory Program *National Functional Guidelines for Organic Review* (EPA 540/R-94/012, February 1994) and *National Functional Guidelines for Inorganic Review* (EPA 540/R-94/013, February 1994).

### Validation

#### Volatiles

Samples were analyzed by EPA method 8260 for the Target Compound list using a five-milliliter purge volume. Five soils were analyzed, one medium level, four low level. Four water site samples were analyzed.

RTX-624 0.53-mm ID capillary columns are used with a Hewlett-Packard 5890 GC in combination with a 5971A Mass Selective Detector. An Archon autosampler with a moisture control unit in combination with a Tekmar LCS 2000 is used to analyze samples for the MSD-D instrument. A Tekmar 2032 is the autosampler used for the instrument MSD-C. HP Chemstation version B.02.04 is used to acquire data. HP Chemstation Enviroquant software G1701AA version A.03.00 is used to process data. The current mass spectral library is the NIST NBS75K.

Surrogate recoveries were within acceptance limits for all site samples, with one exception. The recovery of one surrogate was below the limit for site sample HZB-1. Two internal standards were also out of limits. Re-analysis was performed with similar results. Two site samples, HZB-3 and HZB-18, also had at least one internal standard out of limits. The initial analysis had a severe retention time shift, but also showed a matrix problem with the internal standard recoveries. The better of the two analyses was reported.

Six blank spikes were associated with the site samples. Blank spike recoveries were within acceptance limits.

## **Semivolatiles**

Ten soil site samples and two water samples were analyzed for the Target Compound List by EPA method 8270 using a one-microliter injection. One water sample, HZB-6A, was broken upon receipt and the resample was performed on 5/25/00 and reported with our lab ID of L50655.

DB5MS 0.25-mm ID capillary columns are used with a Hewlett-Packard 5890 GC in combination with a 5971A Mass Selective Detector. A HP 7673 autosampler is used to inject samples. HP Chemstation version B.02.04 is used to acquire data. HP Chemstation Enviroquant software G1701AA version A.03.00 is used to process data. The current mass spectral library is the NIST NBS75K.

Surrogate recoveries were within acceptance limits for all undiluted site samples, with one exception. The recovery of one surrogate from site sample HZ-4 was slightly above the limit. At least one internal standard recovery was out of limits for each of four site samples HZ-2, HZ-3, HZ-4 and HZ-6. Matrix interference is suspected.

The lower of the two dilutions used for site samples HZB-2 and HZB-3 also had at least one internal standard recovery out of limits. The reported analysis for each of these samples had no internal standard recoveries out of limits.

Two blank spikes were associated with the site samples. Recoveries were within acceptance limits.

## **Pesticides/PCB**

Ten soil site samples and two water samples were analyzed for Pesticides/PCB using EPA method 8081/8082 with a two-microliter injection volume.

RTX-CLPesticides 1 and RTX-CLPesticides 2 capillary columns, 0.32 mm ID, with purge packed inlets and electronic pressure control are used on an Hewlett-Packard 5890 series II with dual ECD and an HP 7673 autosampler with simultaneous injection. Data is collected with HP Chemstation software and processed by Thruput with Target software.

Surrogate recoveries were within or above limits for the site samples. The two water site samples were undiluted. The soil site samples were diluted 1:10 to prevent damage to the instrument.

Three PCB and three Pesticide blank spikes were associated with the site samples. Recoveries were within the acceptance limits.

Endrin was discovered in one of the water site samples, HZB-9. The identity was confirmed by second column analysis. The amount present was too low for a GC/MS confirmation.

## **Metals**

Ten soil and two water samples were analyzed by Inductively Coupled Plasma Spectrometry, Cold Vapor AA, Hydride AA and Furnace AA.

The ICP instrument is an ARL 3560 with an AIM 1250 autosampler with an extension. The data is acquired with the Microactive, Australia software ICP Manager 35xx. The Furnace instruments are Varian 400 or 300/400 Zeeman background with autosampler and acquisition software.

The Flame instruments are Varian 400s with a PSC-56 autosampler. Mercury and the Hydrides are analyzed using a VGA Hydride Generation accessory with acquisition software.



Cyanide is distilled by the Reliance Midi-distillation unit. The instrument for analysis is a Technicon AA II.

One soil site sample was spiked for Mercury. Spike recovery was within limits.

One soil sample was duplicated for Mercury. Precision as indicated by RPD was within limits. If the sample or duplicate level was less than five times the CRDL, then the absolute difference between the sample and duplicate should be less than the CRDL. If the sample or duplicate was less than the CRDL, no limit was applied.

Laboratory Control sample recoveries were within acceptance limits for all metals by all methods reported.

No other analytical difficulties were encountered.

### **Usability Assessment**

All reported data were found to be valid and usable within the EPA National Functional Validation guidelines except those that were qualified in this Laboratory Validation.

Laboratory validation and

Usability assessment conducted by: Teresa B. Bishop

Date: June 12, 2000

Teresa B. Bishop  
Quality Assurance

2B  
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: FRIEND LABORATORY, INC. Contract: \_\_\_\_\_  
 Lab Code: 10252 Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: HAZORB  
 Level: (low/med) LOW

	NYSDEC SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	TOT OUT
01	VBLKSC1	96	97	102	0
02	VBLKSC1MS	101	95	102	0
03	HZB-3 RE	98	115	125	0
04	HZB-18 RE	99	116	132	0
05	VBLKSC2	99	97	95	0
06	VBLKSC2MS	102	96	96	0
07	HZB-1	56*	112	127	1
08	HZB-2	109	102	114	0
09	HZB-3	112	102	116	0
10	HZB-18	115	111	121	0
11	VBLKSC4	95	95	100	0
12	VBLKSC4MS	97	96	102	0
13	HZB-1 RE	121	107	129	0

QC LIMITS

SMC1 = Dibromofluoromethane (79-123)  
 SMC2 = Toluene-d8 (81-117)  
 SMC3 = 4-Bromofluorobenzene (69-137)

# Column to be used to flag recovery values  
 \* Values outside of contract required QC limits  
 D System Monitoring Compound diluted out

## VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: FRIEND LABORATORY, INC. Contract: \_\_\_\_\_  
 Lab Code: 10252 Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: HAZORB  
 Lab File ID (Standard): C0806.D Date Analyzed: 05/19/00  
 Instrument ID: MSD-C Time Analyzed: 12:15  
 GC Column: RTX-624 ID: 0.53 (mm) Heated Purge (Y/N): Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	13333547	9.20	13377658	10.86	9742757	16.08
UPPER LIMIT	26667094	9.70	26755316	11.36	19485514	16.58
LOWER LIMIT	6666774	8.70	6688829	10.36	4871379	15.58
NYSDEC SAMPLE NO.						
01 VBLKSC1	12013511	9.20	11791727	10.86	8942472	16.07
02 VBLKSC1MS	11963702	9.20	11874119	10.86	9115852	16.07
03 HZB-3 RE	6998080	10.31*	7115789	11.79*	4429497*	16.73*
04 HZB-18 RE	8314417	10.31*	9099691	11.79*	5409237	16.73*

IS1 = Pentafluorobenzene  
 IS2 = 1,4-Difluorobenzene  
 IS3 = Chlorobenzene-d5  
 IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = - 50% of internal standard area  
 RT UPPER LIMIT = +0.50 minutes of internal standard RT  
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk.

\* Values outside of contract required QC limits

8A  
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: FRIEND LABORATORY, INC. Contract: \_\_\_\_\_  
 Lab Code: 10252 Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: HAZORB  
 Lab File ID (Standard): C0806.D Date Analyzed: 05/19/00  
 Instrument ID: MSD-C Time Analyzed: 12:15  
 GC Column: RTX-624 ID: 0.53 (mm) Heated Purge (Y/N): Y

	IS43 AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	5738013	19.60				
UPPER LIMIT	11476026	20.10				
LOWER LIMIT	2869007	19.10				
NYSDEC SAMPLE NO.						
01 VBLKSC1	5403294	19.60				
02 VBLKSC1MS	5400192	19.60				
03 HZB-3 RE	1948657*	20.07				
04 HZB-18 RE	2207716*	20.06				

IS1 = Pentafluorobenzene  
 IS2 = 1,4-Difluorobenzene  
 IS3 = Chlorobenzene-d5  
 IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = - 50% of internal standard area  
 RT UPPER LIMIT = +0.50 minutes of internal standard RT  
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk.  
 \* Values outside of contract required QC limits

## VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: FRIEND LABORATORY, INC. Contract: \_\_\_\_\_  
 Lab Code: 10252 Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: HAZORB  
 Lab File ID (Standard): C0835.D Date Analyzed: 05/22/00  
 Instrument ID: MSD-C Time Analyzed: 11:22  
 GC Column: RTX-624 ID: 0.53 (mm) Heated Purge (Y/N): Y

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	13740137	10.32	13874860	11.79	10218142	16.73
UPPER LIMIT	27480274	10.82	27749720	12.29	20436284	17.23
LOWER LIMIT	6870069	9.82	6937430	11.29	5109071	16.23
NYSDEC SAMPLE NO.						
01 VBLKSC2	12765352	10.30	12690025	11.78	9699700	16.72
02 VBLKSC2MS	12777073	10.31	12831398	11.78	9852701	16.72
03 HZB-1	8202901	10.31	7992682	11.78	4774121*	16.72
04 HZB-2	9838892	10.30	10014423	11.78	6657236	16.72
05 HZB-3	7723757	10.31	7667630	11.78	4933652*	16.72
06 HZB-18	8757015	10.31	9066649	11.78	5511385	16.72

IS1 = Pentafluorobenzene  
 IS2 = 1,4-Difluorobenzene  
 IS3 = Chlorobenzene-d5  
 IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = - 50% of internal standard area  
 RT UPPER LIMIT = +0.50 minutes of internal standard RT  
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk.

\* Values outside of contract required QC limits

8A  
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: FRIEND LABORATORY, INC. Contract: \_\_\_\_\_  
 Lab Code: 10252 Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: HAZORB  
 Lab File ID (Standard): C0835.D Date Analyzed: 05/22/00  
 Instrument ID: MSD-C Time Analyzed: 11:22  
 GC Column: RTX-624 ID: 0.53 (mm) Heated Purge (Y/N): Y

	IS43					
	AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	5864178	20.07				
UPPER LIMIT	11728356	20.57				
LOWER LIMIT	2932089	19.57				
NYSDEC SAMPLE NO.						
01 VBLKSC2	5949538	20.07				
02 VBLKSC2MS	5939557	20.07				
03 HZB-1	1798607*	20.07				
04 HZB-2	3180795	20.07				
05 HZB-3	2192638*	20.07				
06 HZB-18	2294715*	20.07				

IS1 = Pentafluorobenzene  
 IS2 = 1,4-Difluorobenzene  
 IS3 = Chlorobenzene-d5  
 IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = - 50% of internal standard area  
 RT UPPER LIMIT = +0.50 minutes of internal standard RT  
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk.

\* Values outside of contract required QC limits

8A  
VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: FRIEND LABORATORY, INC. Contract: \_\_\_\_\_  
 Lab Code: 10252 Case No.: \_\_\_\_\_ SAS No.: \_\_\_\_\_ SDG No.: HAZOR8  
 Lab File ID (Standard): C0943.D Date Analyzed: 05/31/00  
 Instrument ID: MSD-C Time Analyzed: 10:35  
 GC Column: RTX-624 ID: 0.53 (mm) Heated Purge (Y/N): Y

	IS43 AREA #	RT #	AREA #	RT #	AREA #	RT #
12 HOUR STD	8365474	19.47				
UPPER LIMIT	16730948	19.97				
LOWER LIMIT	4182737	18.97				
NYSDEC SAMPLE NO.						
01 VBLKSC4	8122966	19.47				
02 VBLKSC4MS	8068232	19.47				
03 HZB-1 RE	2669479*	19.47				

IS1 = Pentafluorobenzene  
 IS2 = 1,4-Difluorobenzene  
 IS3 = Chlorobenzene-d5  
 IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = - 50% of internal standard area  
 RT UPPER LIMIT = +0.50 minutes of internal standard RT  
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

# Column to be used to flag values outside QC limit with an asterisk.  
 \* Values outside of contract required QC limits

## Calibration Table Report

Method: 05-2382.M

Title:

Last Calibration: Tue May 23 15:38:18 2000

## Calibration Files

1 5 10 20 50 100 200

CON5.D CON54.D CON59.D CON60.D CON61.D CON62.D CON63.D

## Compound

Avg SRSD

ISTD

Pentafluorobenzene	ISTD									
Dichlorodifluoromethane	0.438	0.462	0.442	0.481	0.455	0.451	0.466	0.457	3.22	
Chloromethane		0.395	0.328	0.365	0.351	0.339	0.345	0.354	6.65	
Vinyl chloride	0.314	0.366	0.350	0.381	0.370	0.367	0.373	0.360	6.18	
Bromomethane		0.407	0.324	0.338	0.318	0.297	0.295	0.330	12.52	
Chloroethane	0.181	0.199	0.193	0.208	0.194	0.189	0.193	0.194	4.36	
Trichlorofluoromethane	0.797	0.906	0.872	0.945	0.909	0.756	0.786	0.853	8.56	
Acrolein	0.061	0.056	0.058	0.056	0.057	0.049	0.039	0.054	13.53	
1,1,2-Trichloro-1,2,2-trifluoroethane	1.067	1.118	1.077	1.194	1.167	1.168	1.206	1.142	4.87	
1,1-Dichloroethene	0.372	0.434	0.428	0.457	0.451	0.448	0.453	0.435	6.78	
Iodomethane	0.754	0.871	0.824	0.905	0.866	0.875	0.931	0.861	6.70	
Acetone		0.036	0.041	0.043	0.034	0.032	0.030	0.036	13.75	
Carbon disulfide	1.022	1.089	1.041	1.147	1.120	1.116	1.161	1.099	4.75	
Allyl chloride	0.176	0.209	0.192	0.211	0.212	0.197		0.200	7.08	
Methylene chloride	0.520	0.487	0.471	0.491	0.464	0.463	0.478	0.482	4.17	
MTBE	0.997	0.939	0.921	0.997	0.956	0.943	0.925	0.954	3.31	
t-1,2-Dichloroethene	0.334	0.386	0.370	0.420	0.408	0.407	0.420	0.392	8.04	
Acrylonitrile		0.064	0.074	0.087	0.077	0.085	0.076	0.077	10.69	
1,1-Dichloroethane	0.683	0.790	0.781	0.844	0.822	0.817	0.859	0.800	7.28	
Vinyl acetate		0.602	0.640	0.759	0.746	0.849	0.844	0.740	13.82	
2,2-Dichloropropane		0.640	0.450	0.648	0.609	0.659	0.714	0.620	14.53	
c-1,2-Dichloroethene	0.309	0.382	0.369	0.411	0.404	0.409	0.421	0.386	9.97	
MEK(2-Butanone)		0.227	0.181	0.188	0.165	0.159	0.167	0.181	13.67	
Bromochloromethane	0.160	0.218	0.209	0.225	0.219	0.222	0.227	0.212	11.03	
Chloroform	0.713	0.838	0.803	0.890	0.867	0.864	0.910	0.841	7.85	
1,1,1-Trichloroethane	0.594	0.667	0.658	0.749	0.724	0.732	0.777	0.700	9.02	
Dibromofluoromethane	0.633	0.615	0.621	0.645	0.635	0.627	0.646	0.632	1.84	
Carbon tetrachloride		1.434	0.992	0.838	0.702	0.658	0.686	0.885	33.47	
1,1-Dichloropropene		1.610	1.107	0.914	0.750	0.692	0.690	0.961	37.13	
Benzene	1.037	1.151	1.109	1.221	1.172	1.159	1.192	1.149	5.26	
1,2-Dichloroethane	0.444	0.509	0.500	0.544	0.532	0.531	0.546	0.515	6.95	
1,4-Difluorobenzene	ISTD									
Trichloroethene	0.409	0.491	0.459	0.498	0.491	0.488	0.496	0.476	6.80	
1,2-Dichloropropane	0.389	0.460	0.451	0.472	0.470	0.462	0.469	0.453	6.47	
Dibromomethane	0.342	0.430	0.398	0.429	0.424	0.416	0.411	0.407	7.56	
Bromodichloromethane	0.697	0.787	0.794	0.859	0.871	0.870	0.904	0.826	3.61	
2-Chloroethylvinylether		0.146	0.180	0.175	0.198	0.208	0.178	0.181	11.76	
c-1,3-Dichloropropene	0.594	0.678	0.649	0.706	0.705	0.707	0.728	0.681	6.71	
Chlorobenzene-d5	ISTD									
MIBK(4-Methyl-2-pentanone)		0.616	0.527	0.616	0.578	0.569	0.537	0.574	6.57	
Toluene-d8	1.366	1.377	1.386	1.387	1.405	1.414	1.446	1.397	1.92	
Toluene	0.799	0.902	0.877	0.931	0.907	0.915	0.961	0.89884	5.68507	
t-1,3-Dichloropropene	0.587	0.725	0.706	0.809	0.797	0.84	0.869	0.76186	12.6638	
1,1,2-Trichloroethane	0.433	0.491	0.487	0.519	0.514	0.504	0.49	0.4912	3.78546	
EDE (1,2-Dibromoethane)	0.643	0.754	0.763	0.815	0.796	0.799	0.778	0.76398	7.50183	
Tetrachloroethene	0.476	0.519	0.518	0.545	0.542	0.545	0.565	0.52982	5.45963	
1,3-Dichloropropane	0.755	0.873	0.857	0.906	0.89	0.886	0.876	0.86476	5.32128	
2-Hexanone	0.367	0.384	0.367	0.43	0.43	0.41	0.371	0.39401	7.2552	
Dibromochloromethane	0.53	0.683	0.704	0.776	0.785	0.795	0.815	0.72701	13.7222	
Chlorobenzene	1.008	1.118	1.109	1.192	1.155	1.147	1.178	1.12765	5.31294	
1,1,1,2-Tetrachloroethane	0.435	0.532	0.538	0.575	0.583	0.58	0.597	0.54852	10.1004	
Ethylbenzene	1.733	1.839	1.78	1.886	1.854	1.859	1.903	1.83642	3.26058	
p-M-Xylenes	0.571	0.647	0.618	0.659	0.641	0.637	0.638	0.63003	4.59522	
-Xylene	0.519	0.628	0.605	0.638	0.626	0.609	0.624	0.60699	6.6851	
Styrene	0.383	1.091	1.086	1.146	1.136	1.14	1.147	1.08996	3.71178	
Bromoform	0.463	0.506	0.554	0.618	0.633	0.63	0.611	0.57349	11.7645	
Isopropylbenzene	1.54	1.906	1.772	1.857	1.82	1.816	1.834	1.79214	4.02098	
1,4-Dichlorobenzene-d4	ISTD									



## Calibration Table Report

Method: 05-3089.M

Title:

at Calibration: Tue May 30 08:09:14 2000

## Calibration Files

Compound								Avg	%RSD
	1	5	10	20	50	100	200		
	CONC.D	CONC.D	CONC.D	CONC.D	CONC.D	CONC.D	CONC.D		
Pentafluorobenzene	ISTD								
Dichlorodifluoromethane	0.366	0.373	0.353	0.426	0.376	0.357	0.357	0.372	6.758
Chloromethane	0.636		0.274	0.328	0.270	0.257	0.256	0.337	44.224
Vinyl chloride	0.265	0.287	0.278	0.337	0.293	0.282	0.269	0.287	8.359
Bromomethane		0.247	0.208	0.243	0.198	0.205	0.188	0.215	11.509
Chloroethane	0.117	0.136	0.137	0.155	0.132	0.129	0.119	0.132	9.737
Trichlorofluoromethane	0.562	0.685	0.630	0.730	0.605	0.521		0.622	12.408
Acrolein		0.168	0.126	0.129	0.104	0.099	0.081	0.118	25.786
1,1,2-Trichloro-1,2,2-trifluoroethane		0.808	0.784	0.922	0.795	0.753		0.812	7.924
1,1-Dichloroethene	0.424	0.373	0.351	0.418	0.361	0.340		0.378	9.339
Iodomethane		0.344	0.307	0.421	0.401	0.284		0.351	16.809
Acetone		0.153	0.111	0.111	0.089	0.076	0.069	0.101	30.455
Carbon disulfide	0.693	0.693	0.684	0.796	0.691	0.661	0.616	0.691	7.829
Allyl chloride		0.134	0.129	0.157	0.131	0.127	0.143	0.137	8.286
Methylene chloride	0.524	0.377	0.346	0.426	0.366		0.308	0.391	19.280
MTBE		1.475	1.242	1.361	1.166	1.121	1.111	1.246	11.670
1,1,2-Dichloroethene	0.412	0.428	0.416	0.489	0.428	0.412	0.414	0.428	6.467
Acrylonitrile	0.279	0.173	0.174	0.182	0.169	0.172	0.150	0.186	22.764
1,1-Dichloroethane	0.671	0.653	0.649	0.800	0.690	0.668	0.647	0.683	7.914
Vinyl acetate		1.012	0.739	0.949	0.848	0.830	0.889	0.878	10.897
Acetonitrile		0.103	0.064	0.093	0.075	0.064		0.080	21.979
1,2-Dichloropropane		0.612	0.545	0.470	0.547	0.523	0.550	0.541	8.480
c-1,2-Dichloroethene	0.321	0.324	0.325	0.410	0.356	0.345	0.340	0.346	8.959
(2-Butanone)		0.559	0.533	0.521	0.437	0.406		0.491	13.459
Monochloromethane		0.194	0.194	0.248	0.213	0.201	0.194	0.207	10.250
Chloroform	0.729	0.683	0.677	0.841	0.722	0.707	0.703	0.723	7.632
Chloroprene	0.601	0.580	0.542	0.665	0.575	0.565	0.576	0.586	6.615
1,1,1-Trichloroethane		0.634	0.622	0.750	0.659	0.647	0.658	0.662	6.883
Dibromofluoromethane	0.608	0.588	0.615	0.625	0.629	0.646	0.657	0.624	3.731
Carbon tetrachloride		1.443	0.978	0.881	0.698	0.646	0.638	0.881	34.910
1,1-Dichloropropene		1.355	0.926	0.837	0.620	0.559	0.534	0.805	38.741
Benzene	0.966	0.939	0.902	1.096	0.915	0.896	0.980	0.942	7.845
1,2-Dichloroethane	0.367	0.440	0.436	0.546	0.476	0.468	0.471	0.458	11.780
Isobutyl Alcohol		0.051	0.067	0.064	0.061	0.059		0.060	10.070
Propionitrile		0.059	0.077	0.085	0.075	0.076	0.061	0.072	14.069
1,4-Difluorobenzene	ISTD								
Methacrylonitrile	0.473	0.314	0.334	0.382	0.336	0.338	0.314	0.356	15.762
Trichloroethene	0.535	0.467	0.453	0.546	0.465	0.461	0.458	0.484	9.115
1,2-Dichloropropane	0.372	0.385	0.368	0.467	0.393	0.388	0.381	0.394	8.529
Dibromomethane	0.422	0.412	0.410	0.496	0.429	0.421	0.414	0.429	7.214
1,1-Dichloromethane	0.753	0.718	0.691	0.861	0.746	0.739	0.742	0.750	7.068
1-Chloroethylvinylether	0.262	0.212	0.296	0.262	0.277	0.291		0.26488	10.9193
c-1,3-Dichloropropene	0.576	0.572	0.569	0.696	0.603	0.598	0.591	0.60061	7.30367
Methyl Methacrylate	0.546	0.528	0.531	0.627	0.546	0.544	0.525	0.54974	6.412
Chlorobenzene-d5	ISTD								
4-Methyl-2-pentanone	1.311	1.036	1.083	1.256	1.102	1.101	0.994	1.12696	10.2328
Toluene-d8	1.248	1.324	1.32	1.322	1.367	1.263	1.372	1.33083	3.24076
Toluene	0.733	0.784	0.764	0.934	0.843	0.819	0.811	0.81254	7.96289
1,3-Dichloropropene	0.526	0.664	0.643	0.814	0.757	0.745	0.749	0.69942	13.7645
1,1,2-Trichloroethane	0.414	0.424	0.419	0.512	0.451	0.438	0.429	0.44092	7.65553
EDB (1,2-Dibromoethane)	0.704	0.768	0.762	0.971	0.856	0.841	0.814	0.8166	10.4583
1-Trichloroethene	0.447	0.46	0.483	0.579	0.521	0.513	0.513	0.50233	8.78966
1,2-Dichloropropane	0.688	0.791	0.772	0.952	0.856	0.823	0.816	0.81534	10.249
Hexanone	1.291	1.06	0.949	1.045	0.902	0.875		1.01859	14.3598
1-Bromochloromethane	0.714	0.740	0.739	0.949	0.844	0.848	0.846	0.81271	10.1492
Methyl Methacrylate	0.618	0.75	0.748	0.925	0.814	0.815	0.798	0.78105	11.9326
Chlorobenzene	0.856	0.910	0.894	1.106	0.969	0.949	0.94	0.94652	3.40349
1,1,1,2-Tetrachloroethane	0.444	0.472	0.471	0.584	0.522	0.518	0.512	0.50034	9.13942