

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
BUFFALO	S103562349	KIELSA TANKER	ROUTE 5 - BUFFALO HARBOR		NY Spills, NY Hist Spills
BUFFALO	S102178402	FICEL TRUCKING	ROUTE 5		NY Spills, NY Hist Spills
BUFFALO	S102174058	CARGILL DRUMS	ROUTE 5		NY Spills, NY Hist Spills
BUFFALO	S102175501	ARTMEIER, JOHN	ROUTE 5 SKYWAY		NY Spills, NY Hist Spills
BUFFALO	S102174029	SKYWAY CONTRACTOR	ROUTE 5 SKYWAY		NY Spills, NY Hist Spills
BUFFALO	S102176984	COKE BREEZE	ROUTE 5, FURHMAN		NY Spills, NY Hist Spills
BUFFALO	S103562362	TIRE FIRE IN CANADA	ROUTE 70		NY Spills, NY Hist Spills
BUFFALO	S102175659	SCAJAQUADA EXPRY. OIL	ROUTE 98		NY Spills, NY Hist Spills
BUFFALO	S104192776	MODERN DISPOSAL TRUCK	BEST AT ROUTE 33 EB RAMP		NY Spills, NY Hist Spills
BUFFALO	S102174044	BOAT SUNK BUFFALO HARBOR	BUFFALO HARBOR - ROUTE 5		NY Spills, NY Hist Spills
BUFFALO	S103562465	NFTA - PORT OF BUFFALO	FUHRMAN BLVD. ROUTE 5		NY Spills, NY Hist Spills
BUFFALO	S107407885	INTEGRATED WASTE SYSTEM	FUHRMANN BLVD. - ROUTE 5		NY Spills
BUFFALO	S103273838	WASTE OIL NEAR RR YARD	FUHRMANN BLVD - ROUTE 5		NY Spills, NY Hist Spills
BUFFALO	S102178179	INTEGRATED WASTE SYSTEM	FUHRMANN BLVD. - ROUTE 5		NY Spills, NY Hist Spills
BUFFALO	S102174861	ERIE BASIN MARINA	FUHRMANN BLVD - ROUTE 5		NY Spills, NY Hist Spills
BUFFALO	S103562308	SOUTHEND MARINA	FURHMAN BLVD - ROUTE 5		NY Spills, NY Hist Spills
BUFFALO	S102176777	BUFFALO HARBOR	901 FURHMAN BLVD. ROUTE 5		NY Spills, NY Hist Spills
BUFFALO	S102176781	ABANDONED DRUM	FURHMAN BLVD - ROUTE 5		NY Spills, NY Hist Spills
BUFFALO	S103562576	MARK TWAIN MV NY9104GH	FURHMANN BLVD - ROUTE 5		NY Spills, NY Hist Spills
BUFFALO	S102174237	SMALL BOAT HARBOR	HAMBURG TURNPIKE ROUTE 5		NY Spills, NY Hist Spills
BUFFALO	S102178621	ODORS & HAZE	MAURICE STREET		NY Spills, NY Hist Spills
BUFFALO	S104507083	NATIONAL RECYCLING TRUCK	I190 NB AT ROUTE 198		NY Spills, NY Hist Spills
BUFFALO	S102177361	AT-6 AIRCRAFT	NIAGARA RIVER - ROUTE 5		NY Spills, NY Hist Spills
BUFFALO	S102178601	LEAKING TRUCK	PEABODY STEET		NY Spills, NY Hist Spills
BUFFALO	S102178727	ALLIED CHEMICAL	PEABODY STREET		NY Spills, NY Hist Spills
BUFFALO	S106007352	ROADWAY SPILL	PERRY / PEABODY STS		NY Spills
BUFFALO	U003758192	SENECA INDUSTRIAL CENTER	REAR 635 - 649 SENECA STREET	14210	UST, HIST UST
BUFFALO	1000553260	NYS THRUWAY AUTH - BIN 5512239	SELKIRK ST & SENECA ST	14210	RCRA-SQG, FINDS, NY MANIFEST
BUFFALO	1009244576	NIAGARA TRANSFORMER CORP	1600 SENECA ST NYT370011223	14210	NY MANIFEST
BUFFALO	S108294193	GETTY #58856	1770 SENECA STREET	14210	NY Spills
BUFFALO	S102174842	COVERALL AMERICAN LINEN	SENECA STREET		NY Spills, NY Hist Spills
BUFFALO	S102174612	LARKIN BUILDING	SENECA STREET		NY Spills, NY Hist Spills
BUFFALO	S106007436	UST FOUND IN EXCAVATION	1731 SENECA ST @ SOUTHSID		NY Spills
BUFFALO	S104952888	CTS PLANT	SENECA / PEABODY STREETS		NY Spills, NY Hist Spills
BUFFALO	S102176337	DOWNING CONTAINER	SENECA STREET		NY Spills, NY Hist Spills
BUFFALO	S102178388	NIAGARA TRANSFORMER CORP.	SENECA STREET		NY Spills, NY Hist Spills
BUFFALO	S102179511	NYS DOT	SENECA STREET		NY Spills, NY Hist Spills
BUFFALO	S102178335	TRACTOR TRAILER ACCIDENT	SENECA STREET		NY Spills, NY Hist Spills
BUFFALO	S106971053	BETWEEN PEABODY & SMITH	SENECA STREET		NY Spills
BUFFALO	S106001035	NEIGHBORHOOD	WALTER ST/BABOCK ST		NY Spills

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.
D003	A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.
D004	ARSENIC
D007	CHROMIUM
D008	LEAD
D009	MERCURY
D019	CARBON TETRACHLORIDE
D021	CHLOROBENZENE
D022	CHLOROFORM
D029	1,1-DICHLOROETHYLENE
D035	METHYL ETHYL KETONE
D038	PYRIDINE
D039	TETRACHLOROETHYLENE
D040	TRICHLOROETHYLENE
F001	THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND

EPA Waste Codes Addendum

Code	Description
	STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F002	THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F003	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
F005	THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.
LABP	LAB PACK
P010	ARSENIC ACID H ₃ ASO ₄
P011	ARSENIC OXIDE AS ₂ O ₃
P011	ARSENIC PENTOXIDE
P012	ARSENIC OXIDE AS ₂ O ₃
P012	ARSENIC TRIOXIDE
U078	1,1-DICHLOROETHYLENE
U078	ETHENE, 1,1-DICHLORO-
U121	METHANE, TRICHLOROFLUORO-
U121	TRICHLOROMONOFUOROMETHANE
U134	HYDROFLUORIC ACID (C,T)
U134	HYDROGEN FLUORIDE (C,T)

EPA Waste Codes Addendum

Code	Description
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U220	BENZENE, METHYL-
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U220	TOLUENE
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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: 08/09/2007
Number of Days to Update: 62	Next Scheduled EDR Contact: 11/05/2007
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/03/2007	Telephone: 202-564-5088
Date Made Active in Reports: 05/14/2007	Last EDR Contact: 06/22/2007
Number of Days to Update: 41	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	Source: Department of the Navy
Date Data Arrived at EDR: 12/11/2006	Telephone: 843-820-7326
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 06/11/2007
Number of Days to Update: 31	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	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 05/30/2007	Telephone: 202-366-4595
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 05/30/2007
Number of Days to Update: 36	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	Source: EPA
Date Data Arrived at EDR: 11/29/2006	Telephone: 202-566-0500
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 08/09/2007
Number of Days to Update: 43	Next Scheduled EDR Contact: 11/05/2007
	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	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 04/25/2007	Telephone: 301-415-7169
Date Made Active in Reports: 05/25/2007	Last EDR Contact: 07/02/2007
Number of Days to Update: 30	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	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 03/28/2007	Telephone: 303-231-5959
Date Made Active in Reports: 05/14/2007	Last EDR Contact: 06/28/2007
Number of Days to Update: 47	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: 08/09/2007
Number of Days to Update: 34	Next Scheduled EDR Contact: 11/05/2007
	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[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

FLEXO TRANSPARENT
1132 SENECA STREET
BUFFALO, NY 14210

TARGET PROPERTY COORDINATES

Latitude (North):	42.87220 - 42° 52' 19.9"
Longitude (West):	78.8364 - 78° 50' 11.1"
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	676724.7
UTM Y (Meters):	4748679.0
Elevation:	590 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	42078-H7 BUFFALO NE, NY
Most Recent Revision:	1965
South Map:	42078-G7 BUFFALO SE, NY
Most Recent Revision:	1965

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).

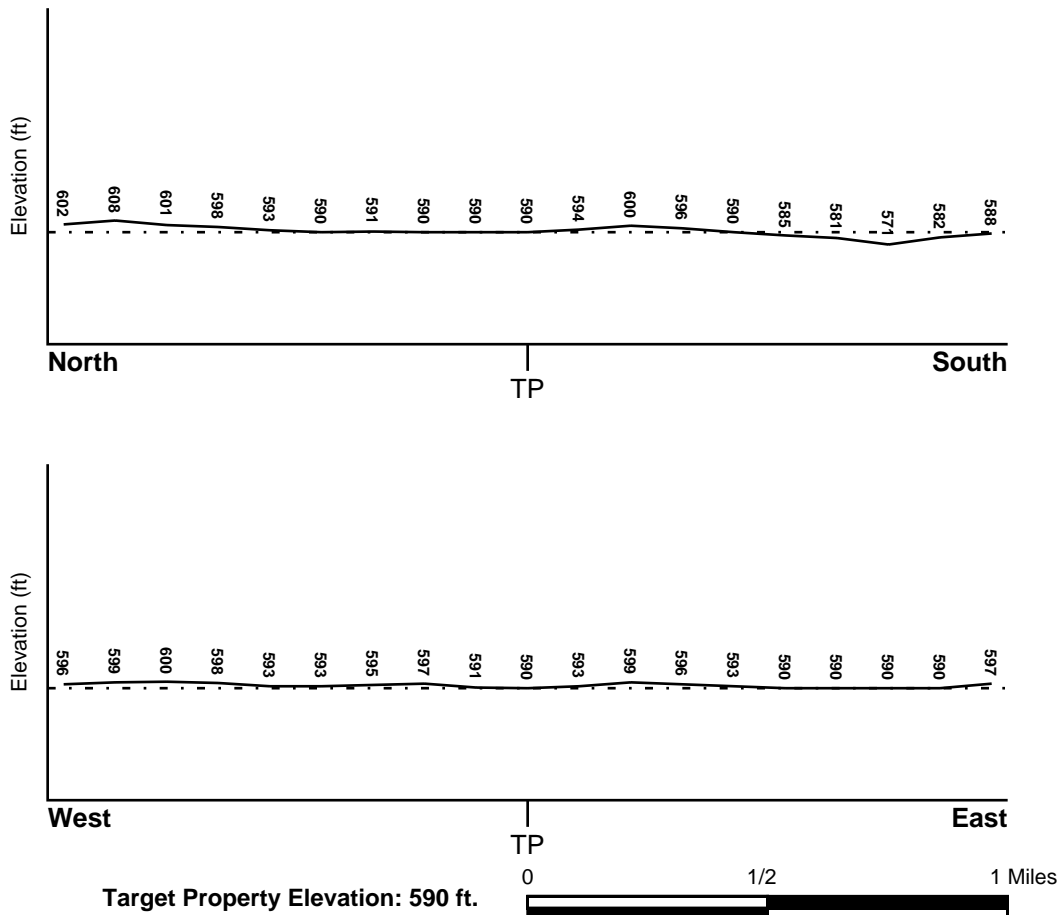
TOPOGRAPHIC INFORMATION

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 North

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
ERIE, NY

FEMA Flood
Electronic Data
YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 3602300010B

Additional Panels in search area: 3602300020B

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property
BUFFALO SE

NWI Electronic
Data Coverage
YES - refer to the Overview Map and Detail Map

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 FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

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: Devonian
Series: Middle Devonian
Code: D2 (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 sand
sandy loam
fine sandy loam

Surficial Soil Types: silt loam
loamy sand
sandy loam
fine sandy loam

Shallow Soil Types: sandy loam

Deeper Soil Types: unweathered bedrock
very gravelly - loamy sand
stratified
sandy 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

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS2240716	1/8 - 1/4 Mile NNW
2	USGS2240721	1/8 - 1/4 Mile NNW
3	USGS2240753	1/4 - 1/2 Mile North
4	USGS2240747	1/2 - 1 Mile NE
5	USGS2240911	1/2 - 1 Mile South
6	USGS2240750	1/2 - 1 Mile NE
7	USGS2240762	1/2 - 1 Mile NW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

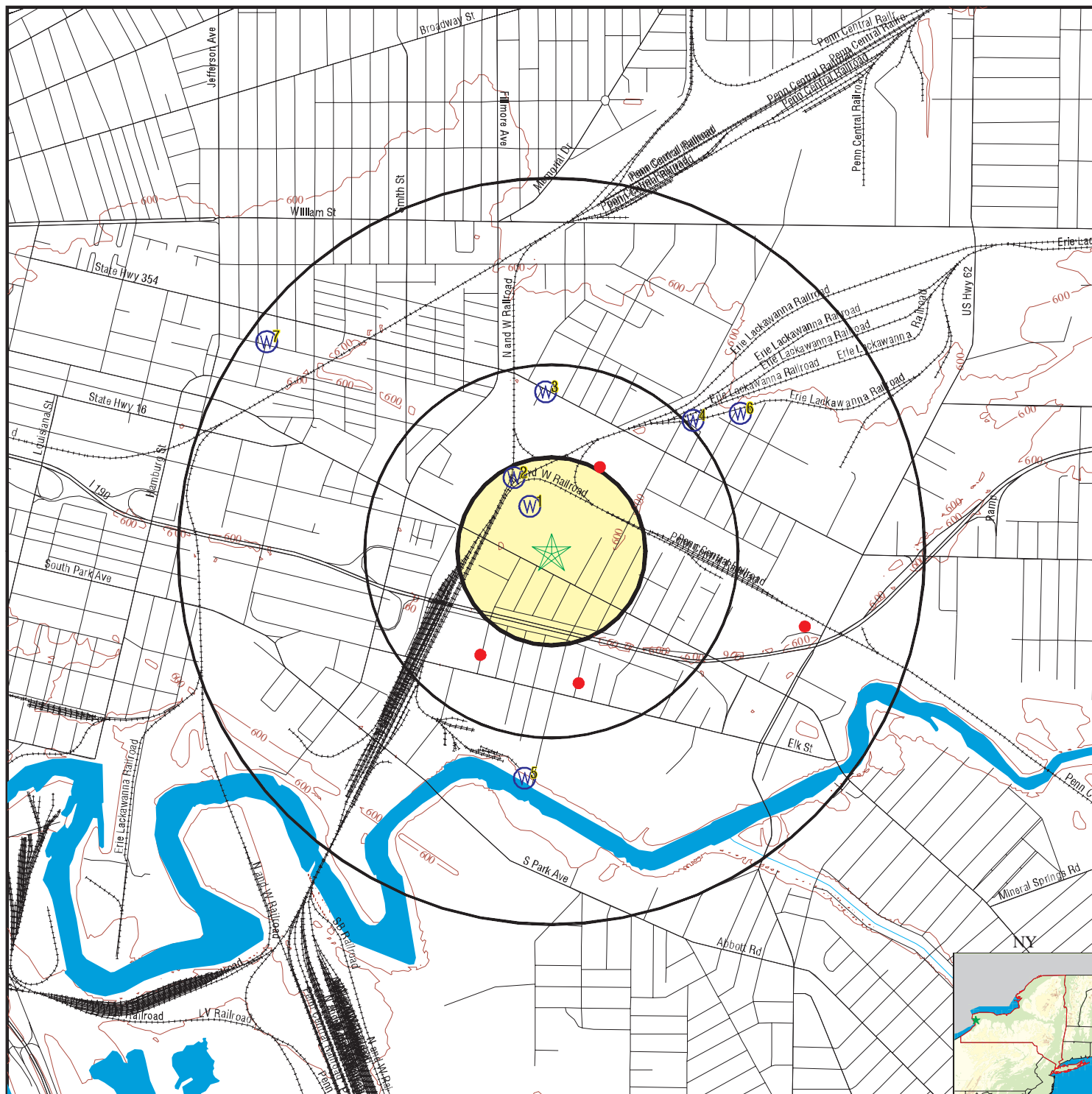
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

OTHER STATE DATABASE INFORMATION

STATE OIL/GAS WELL INFORMATION

<u>DISTANCE FROM TP (Miles)</u>	<u>DISTANCE FROM TP (Miles)</u>
1/4 - 1/2 Mile NNE	1/2 - 1 Mile ESE
1/4 - 1/2 Mile SW	1/4 - 1/2 Mile SSE

PHYSICAL SETTING SOURCE MAP - 2002755.2s



- 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

SITE NAME: Flexo Transparent
 ADDRESS: 1132 Seneca Street
 Buffalo NY 14210
 LAT/LONG: 42.8722 / 78.8364

CLIENT: Malcolm Pirnie, Inc.
 CONTACT: Tracy Hemmerling
 INQUIRY #: 2002755.2s
 DATE: August 10, 2007 8:55 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
Direction
Distance
Elevation

Database EDR ID Number

1

NNW
1/8 - 1/4 Mile
Higher

FED USGS USGS2240716

Agency cd:	USGS	Site no:	425226078501601
Site name:	E 241		
Latitude:	425226		
Longitude:	0785016	Dec lat:	42.87394708
Dec lon:	-78.83753402	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	029
Country:	US	Land net:	Not Reported
Location map:	BUFFALO SE J-05-3	Map scale:	Not Reported
Altitude:	590.00		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	BuffaloEighteenmile. New York. Area = 732 sq.mi.		
Topographic:	Not Reported		
Site type:	Ground-water other than Spring	Date construction:	1900
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:	ONONDAGA LIMESTONE		
Well depth:	180	Hole depth:	Not Reported
Source of depth data:	Not Reported		
Project number:	ENB3		
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:	1951-06-19
Water quality data end date:	1951-06-19	Water quality data count:	1
Ground water data begin date:	1951-00-00	Ground water data end date:	1951-00-00
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1951	20.0	

2

NNW
1/8 - 1/4 Mile
Higher

FED USGS USGS2240721

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	425230078501901
Site name:	E 243		
Latitude:	425230		
Longitude:	0785019	Dec lat:	42.87505818
Dec lon:	-78.83836739	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	029
Country:	US	Land net:	Not Reported
Location map:	BUFFALO NE J-05-2	Map scale:	24000
Altitude:	590		
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:	19880421	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

3 North 1/4 - 1/2 Mile Higher

FED USGS USGS2240753

Agency cd:	USGS	Site no:	425242078501301
Site name:	E 264		
Latitude:	425242		
Longitude:	0785013	Dec lat:	42.8783915
Dec lon:	-78.8367007	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	029
Country:	US	Land net:	Not Reported
Location map:	BUFFALO NE J-05-2	Map scale:	24000
Altitude:	600		
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:	19880421	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

4
NE
1/2 - 1 Mile
Higher

FED USGS USGS2240747

Agency cd:	USGS	Site no:	425238078494501
Site name:	E 259		
Latitude:	425238	Dec lat:	42.87728043
Longitude:	0784945	Coor meth:	M
Dec lon:	-78.82892264	Latlong datum:	NAD27
Coor accr:	T	District:	36
Dec latlong datum:	NAD83	County:	029
State:	36	Land net:	Not Reported
Country:	US	Map scale:	24000
Location map:	BUFFALO NE J-05-2		
Altitude:	600		
Altitude method:	Interpolated from topographic map		
Altitude accuracy:	10		
Altitude datum:	National Geodetic Vertical Datum of 1929		
Hydrologic:	Not Reported	Date construction:	Not Reported
Topographic:	Not Reported	Mean greenwich time offset:	EST
Site type:	Ground-water other than Spring		
Date inventoried:	19880421		
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

5
South
1/2 - 1 Mile
Lower

FED USGS USGS2240911

Agency cd:	USGS	Site no:	425148078501701
Site name:	E 240		
Latitude:	425148		
Longitude:	0785017	Dec lat:	42.8633916
Dec lon:	-78.8378117	Coor meth:	M
Coor accr:	F	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	029
Country:	US	Land net:	Not Reported
Location map:	BUFFALO SE J-05-3	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:	1982-07-19
Water quality data end date:	1982-07-19	Water quality data count:	3
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

6
NE
1/2 - 1 Mile
Higher

FED USGS USGS2240750

Agency cd:	USGS	Site no:	425239078493601
Site name:	E 261		
Latitude:	425239		
Longitude:	0784936	Dec lat:	42.87755822
Dec lon:	-78.82642256	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	029
Country:	US	Land net:	Not Reported
Location map:	BUFFALO NE J-05-2	Map scale:	24000

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Altitude:	600		
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:	19880421	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

**7
NW
1/2 - 1 Mile
Higher**

FED USGS USGS2240762

Agency cd:	USGS	Site no:	425249078510601
Site name:	E 270		
Latitude:	425249		
Longitude:	0785106	Dec lat:	42.88033586
Dec lon:	-78.85142346	Coor meth:	M
Coor accr:	T	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	36
State:	36	County:	029
Country:	US	Land net:	Not Reported
Location map:	BUFFALO NE J-05-2	Map scale:	24000
Altitude:	590		
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:	19880421	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

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Peak flow data count: Not Reported
Water quality data end date: Not Reported
Ground water data begin date: Not Reported
Ground water data count: Not Reported

Water quality data begin date: Not Reported
Water quality data count: Not Reported
Ground water data end date: Not Reported

Ground-water levels, Number of Measurements: 0

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction		Database	EDR ID Number
Distance			

NNE 1/4 - 1/2 Mile

OIL_GAS NYO1031072

Api wellno:	31029117790000		
Cnty:	Erie		
Hole:	11779	Sidetrck:	0
Completion:	0		
Well nm:	Buffalo Wire Works1		
Coname:	Buffalo Wire Works Co., Inc.		
Opno:	378		
Dt approv:	Not Reported	Dt spud:	Not Reported
Dt comp:	Not Reported		
Well typ:	Gas Development		
Dtd:	0		
WI status:	PA		
Town:	Buffalo	Field:	Buffalo
Prodform:	Medina		
Xloc:	-78.83384		
Yloc:	42.87547		
Confid:	Well does not have confidential information.		
Wellst:	Gas Well Plugged		
Quad:	Buffalo NE	Quadsec:	Not Reported
Deepestfor:	Not Applicable	Elevation:	595
Dt mod:	Not Reported	Site id:	NYO1031072

ESE 1/2 - 1 Mile

OIL_GAS NYO1030984

Api wellno:	31029137020000		
Cnty:	Erie		
Hole:	13702	Sidetrck:	0
Completion:	0		
Well nm:	West Seneca		
Coname:	Buffalo China, Inc.		
Opno:	525		
Dt approv:	Not Reported	Dt spud:	Not Reported
Dt comp:	Not Reported		
Well typ:	Gas Development		
Dtd:	1081		
WI status:	IN		
Town:	Buffalo	Field:	Buffalo
Prodform:	Medina		
Xloc:	-78.82303		
Yloc:	42.86928		
Confid:	Well does not have confidential information.		
Wellst:	Gas Well		
Quad:	Buffalo SE	Quadsec:	B
Deepestfor:	Queenston	Elevation:	590
Dt mod:	Not Reported	Site id:	NYO1030984

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Direction	Database	EDR ID Number
Distance		

SW
1/4 - 1/2 Mile

OIL_GAS NYO1030966

Api wellno:	31029673420000		
Cnty:	Erie		
Hole:	67342	Sidetrck:	0
Completion:	0		
Well nm:	Deepwell Area E		
Coname:	Buffalo Color		
Opno:	9043		
Dt approv:	Not Reported	Dt spud:	Not Reported
Dt comp:	Not Reported		
Well typ:	Not Listed		
Dtd:	751		
WI status:	PA		
Town:	Buffalo	Field:	Not Applicable
Prodform:	Not Applicable		
Xloc:	-78.84015		
Yloc:	42.86818		
Confid:	Well does not have confidential information.		
Wellst:	Other Well Plugged		
Quad:	Not Reported	Quadsec:	Not Reported
Deepestfor:	Not Applicable	Elevation:	0
Dt mod:	Not Reported	Site id:	NYO1030966

SSE
1/4 - 1/2 Mile

OIL_GAS NYO1030943

Api wellno:	31029145670000		
Cnty:	Erie		
Hole:	14567	Sidetrck:	0
Completion:	0		
Well nm:	Fee1		
Coname:	130 Babcock Associates L.P.		
Opno:	1502		
Dt approv:	Not Reported	Dt spud:	Not Reported
Dt comp:	Not Reported		
Well typ:	Gas Development		
Dtd:	1086		
WI status:	NR		
Town:	Buffalo	Field:	Buffalo
Prodform:	Medina		
Xloc:	-78.83496		
Yloc:	42.86708		
Confid:	Well does not have confidential information.		
Wellst:	Gas Well		
Quad:	Buffalo SE	Quadsec:	A
Deepestfor:	Queenston	Elevation:	585
Dt mod:	Not Reported	Site id:	NYO1030943

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
14210	16	16 (100%)	0 (0%)	0 (0%)	0.91	1.9

Federal EPA Radon Zone for ERIE County: 1

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 ERIE COUNTY, NY

Number of sites tested: 622

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area	1.000 pCi/L	89%	11%	0%
Basement	1.150 pCi/L	87%	11%	2%

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^R 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 IRRA 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

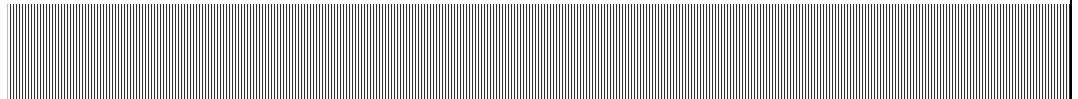
PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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Appendix C

Reference Documents



User Questionnaire
Phase I Environmental Site Assessment ASTM E 1527 – 05

Site/Facility Name: _____

Location: 1146 Seneca Street

Date: 8/10/07

In order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (*the Brownfields Amendments*), the *user* must provide the following information (if available) to the *environmental professional*. Failure to provide this information could result in a determination that "*all appropriate inquiry*" is not complete.

1. Environmental cleanup liens that re filed or recorded against the site (40 CFR 312.25).
Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?

2. Activity and land use limitations that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26).

Are you aware of any AULS (activity and use limitations), such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?

User Questionnaire
Phase I Environmental Site Assessment ASTM E 1527 – 05

5. Commonly known or reasonable ascertainable information about the property (40 CFR 312.30).

Are you aware of commonly known or reasonable 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 uses of the property?*

Gas station at Seneca Street

- b. *Do you know of specific chemicals that are present or once were present at the property?*

Approx. 5 yrs ago there was soil filled with oil stored on the property. The neighbors complained of the smell so it was removed.

- c. *Do you know of spills or other chemical releases that have taken place at the property?*

Above

- d. *Do you know of any environmental cleanups that have taken place at the property?*

Above

6. The degree of obviousness of the presence of likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31)

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?

User Questionnaire
Phase I Environmental Site Assessment ASTM E 1527 – 05

Site/Facility Name: Eastern Electric

Location: 1132 Seneca Street

Date: 8/10/07

In order to qualify for one of the *Landowner Liability Protections (LLPs)* offered by the Small Business Liability Relief and Brownfields Revitalization Act of 2001 (*the Brownfields Amendments*), the user must provide the following information (if available) to the *environmental professional*. Failure to provide this information could result in a determination that "*all appropriate inquiry*" is not complete.

1. Environmental cleanup liens that re filed or recorded against the site (40 CFR 312.25).
Are you aware of any environmental cleanup liens against the property that are filed or recorded under federal, tribal, state or local law?

2. Activity and land use limitations that are in place on the site or that have been filed or recorded in a registry (40 CFR 312.26).
Are you aware of any AULS (activity and use limitations), such as engineering controls, land use restrictions or institutional controls that are in place at the site and/or have been filed or recorded in a registry under federal, tribal, state or local law?

User Questionnaire
Phase I Environmental Site Assessment ASTM E 1527 – 05

5. Commonly known or reasonable ascertainable information about the property (40 CFR 312.30).

Are you aware of commonly known or reasonable 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 uses of the property?*

Built motors

- b. *Do you know of specific chemicals that are present or once were present at the property?*

PCBs

- c. *Do you know of spills or other chemical releases that have taken place at the property?*

PCBs

- d. *Do you know of any environmental cleanups that have taken place at the property?*

NO

6. The degree of obviousness of the presence of likely presence of contamination at the property, and the ability to detect the contamination by appropriate investigation (40 CFR 312.31)

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?

FACSIMILE TRANSMISSION DATA

J. R. Militello Realty, Inc. 268 Main St. Buffalo, NY 14202 (716) 856-2872 Fax (716) 856-2833

Date: 08/01/07

Time: 2:11 pm

TO: Name Ronald Mabry
Company Flexo Transparent Inc.
Fax No. (716) 825-0139

FROM: Name Carl Buzak

Number of Pages to Follow: 2

If you do not receive the number of pages indicated, contact sender at 856-2872.
--

Ron,

Please find the two page Phase II as requested.

Carl

ATTN CARL BUZAK

870-4014
856-2872

May 8, 2001

Roman Solubash, Partner
50 Bonwood Lane
Cheektowaga, New York 14227Reference: Limited Environmental Site Data Review:
Industrial Property, 1132 Seneca Street, Buffalo, NY
Via: Faxing (716) 856-1831

Dear Mr. Solubash:

Pursuant to your request, Environmental Audits, Inc. (EA) is pleased to submit this brief summary of conditions of environmental concern developed as a result of EA's very limited historic data review and on-site inspection of the above-referenced (subject) site. It should be noted that due to the restricted data sources reviewed, the information presented below should be considered preliminary with regard to determining the environmental condition of the subject site. In general, data sources were limited to NYSDOC files, select Sanborn maps and Polk Directories, City of Buffalo Fire Department files, and other information provided by the Client.

In evaluating the subject site, EA has segregated it into three separate areas for discussion: the undeveloped eastern parcel, the parcel upon which the building is situated and the building itself. The preliminary conditions environmental concern developed by EA for each of these areas are presented below:

Eastern Parcel

Historic records for this parcel indicate that it was originally used as a lumber yard during the late 1800s and early 1900s. Several building footers and concrete floors still exist on-site from unknown former operations in the central portions of the parcel. Three separate firms, including Gulf Oil, operated a filling station on-site between the 1930s and the 1950s. Records of at least four USTs being installed exist, and no records regarding UST removals could be located. During this time, the parcel was also used by a firm known as Robinson Clay Products. City records indicate that Robinson Clay was issued a permit to install a 50,000 gallon (assumed by EA to be a 5,000 gallon) gasoline tank in an unknown area. In addition, evidence observed during the site inspection indicates that the recent bio-treatment of petroleum-contaminated soils may have taken place on-site. EA also observed what appeared to be oily-grassy soil in the central area of this parcel. Previous Phase II EBA results provided to the Client only address surface and shallow soil conditions in the southwestern portion of this parcel.

Building Parcel

Historic records for this parcel indicate that it was also part of the lumber yard complex during the late 1800s and early 1900s. Records of at least three USTs exist for Westinghouse Electric at 1120 Seneca Street (the office and mailing address for the complex that included 1132 Seneca), and no records regarding UST locations or removals could be located by EA. Evidence observed outside the west wall of the building during the site inspection indicates that the two 1,000 gallon gasoline USTs (1984 City Installation permit) may still be located on this parcel. The third UST is reportedly located on the 1120 Seneca property, based on NYSDEC records. EA also observed what appeared to be oily greasy soil to the north of the building where the current degreasing sludge piles were once located by Westinghouse Electric. Although the NYSDEC was involved in the planning of the clean-up of these sludge piles, no records were located by EA which indicated that the clean-up was completed and/or verified. Previous Phase II ESA results provided to the Client also present evidence that high levels of PCBs and Chlorobenzene (well above current clean-up levels) were detected in the surface soils of the railroad spur just inside the building and at lower levels (still above current clean-up levels) just north of the building and in the rear portion of the parcel.

On-site Building

A variety of concerns exist with regard to the environmental condition of the building, based on EA's Brief Inspection, including, but not limited to, the following:

- o Suspect Asbestos containing materials, including fire door insulation, pipe wraps floor and ceiling tiles, linoleum, window caulk, various wallboards, etc.;
- o Suspect Lead based paints on all interior surfaces;
- o Heavy floor staining in the old oil room;
- o Numerous transformers which are not labeled and may contain PCB contaminated oils;
- o The former steam cleaning sump which formerly contained PCB sludges; and
- o Conditions under the floor of the building due to the past use of machining and hydraulic oils, PCBs, solvents, etc.

This should adequately describe EA's summary of conditions or environmental concern at the subject site. If you have any questions regarding the information presented, please contact me directly.

Very truly yours,

ENVIRONMENTAL AUDITS, INC.

G. Mark Hanna, CHMM
President

Attachments
2/1/2007 10:00 AM



J.R. Militello Realty, Inc.

CORFAC INTERNATIONAL

268 Main St Buffalo, NY 14202

(716) 856-2872 fax 856-2833

FORMER EASTERN ELECTRIC

SALE/LEASE

1132 SENECA ST
BUFFALO, NY 14210

TYPE MX CLASS
JRM CONTACT EM UPDATE 02/23/98

AREA SMITH
MAP REF # 123.29-001-10, -11, -12
ZONING M2
YR. BUILT 1920'S - 1950

ASKING \$ 350,000 05/09/07
/SF W/LAND 7.88
/SF NO LAND
/ACRE \$

LOT: FRONTAGE 337.62
WIDTH IRREGULAR DEPTH 528
SQ FT 185,124 ACREAGE 4.25

ASSMT: year 2000 TAXES: year 2000
LAND \$ 92,100 CITY \$ 4,836
IMPR COUNTY 1,898
TTL \$ 244,000 SCHOOL 2,039
LAND/ACRE SP.TAX
\$ 21,671 OTHER
BLG/SF TOTAL \$

UTILITIES ALL PUBLIC
FOUNDATION CONCRETE
ROOF PITCHED/MONITOR; BLT-UP, NEEDS WORK
EXT. WALLS GLASS/BLOCK COVERED WITH INSULATED METAL SIDING; STEEL FRAME
PARKING 5 PLUS 2 ACRE LOT
RAIL INDOOR SIDING; INACTIVE
COL. SPANS 20 X 30', 20 X 50'
CEILINGS WOOD DECK
CEIL.HGTS. 28', 24', 16', 10'
HVAC (OFC) WINDOW AC, ELECTRIC BASEBOARD
HVAC (WHS) GAS UNIT HEATERS
LIGHTING MERCURY VAPOR; STRIP FLUORESCENT
ELEC.SRV. 2300 VOLTS, 220/440V, 3PH - APPROX 3000 AMPS
SECURITY ADT
FIRE PROT. 100% WET SPRINKLERED
FLOORS CONCRETE
INT. WALLS BLOCK
STORIES 1
ELEVATORS NA
CRANES 3 & 10 TON ON ONE BRIDGE; 5 TON CABLE CONTROL
LOAD DOCKS 2-TRUCK 4-GRADE DOORS 10'H

	TOTAL SF	AVAIL SF	RATE	NET/GROSS/INCLUSIONS/EXCLUSIONS	DATE
OFFICE	1,953	1,953	\$		05/01/07
INDUST	42,437	42,437	3.00	GROS PLUS UTILITIES	05/01/07
RETAIL	0	0			/ /
OTHER	0	0			/ /
TOTAL	44,390	44,390			03/28/01
				CAM FACTOR: 0.0	
DEVELOPABLE ACRES	2.00	ACRES			11/01/94

EXPENSES: for the year 1995		
	/SF	ANNUAL
GAS	\$ 0.20	\$ 9,036
WATER		
ELECT		
UTIL		
INS		
MAINT		
TAXES	0.23	10,428
CAM		
OTHER		
TOTAL	\$	\$

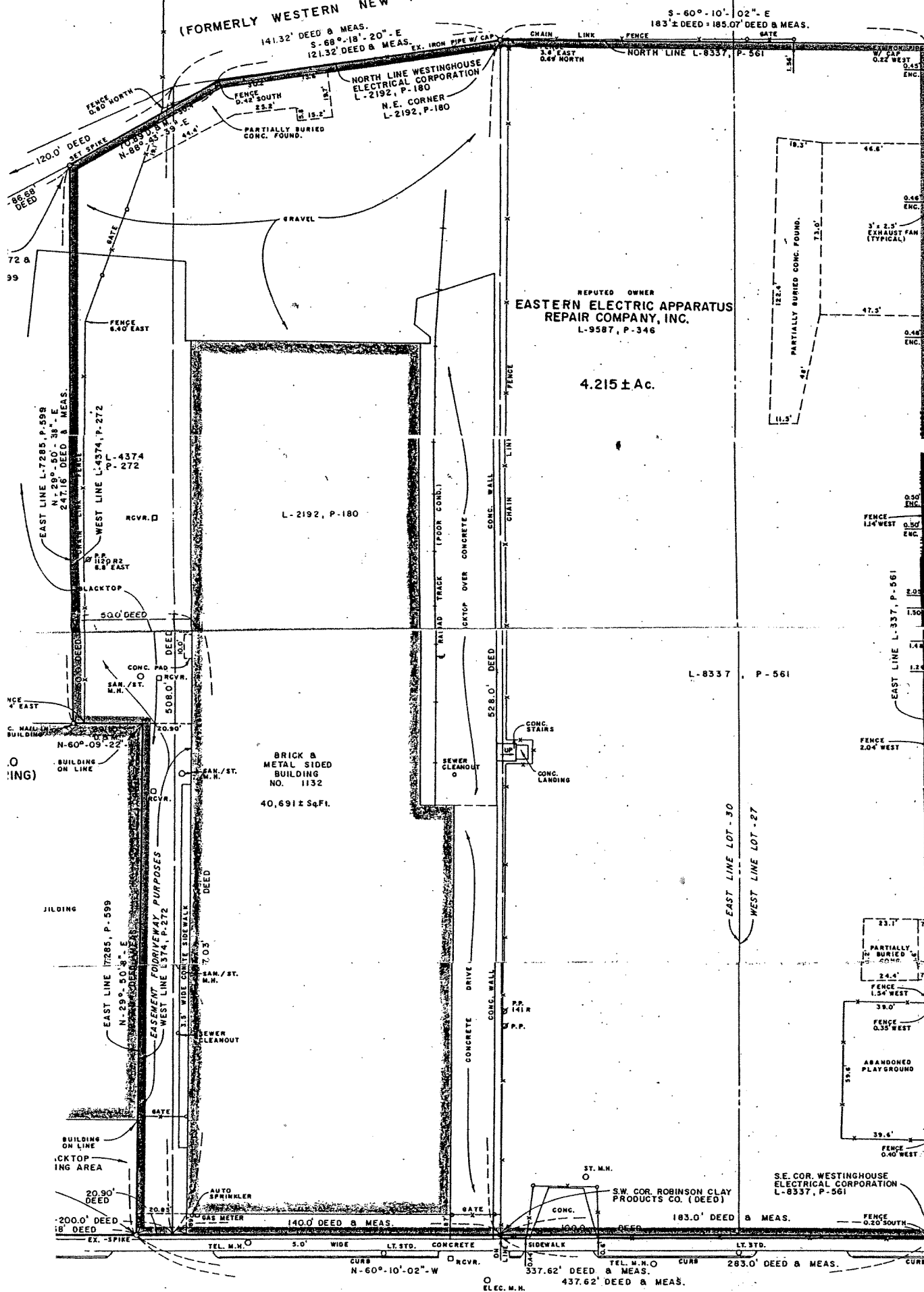
BUILDING INFORMATION

- Front section approx 20,350sf (110'w x 185'deep), 3 bays (1) 27' span built out as ofc); (2) 30' span (with 3 ton crane); (3) 50' span (10 ton crane) 20' under hook 28' to deck; 1 inside truck hgt dock with leveler.

- Rear older section approx 19,400sf (97'x 200') monitor roof, 24' ceiling hgt, 2 inside truck hgt docks, 1 exterior dock & 1 double grade door. Crane rails in place with out equipment

- buss duct throughout.

PENN CENTRAL RAILROAD (FORMERLY WESTERN NEW YORK & PENNSYLVANIA RAILROAD)



600 Delaware Avenue, Buffalo, NY 14202-1073

March 27, 1989

Maryann Grotefend
Westinghouse Electric Corporation
Westinghouse Building
Gateway Center
Pittsburg, PA 15222

Re: Eastern Electric Apparatus
1132 Seneca Street
Buffalo, NY

Dear Ms. Grotefend:

This is to acknowledge receipt of subject facility remediation revised work plan dated March 9, 1989. The revisions have been reviewed and while there has been substantial progress there are certain items which must be reconciled before it can be considered acceptable. Please review the following comments and make the requested revisions and/or additions:

- 1.) Page 2 states that the sewers downstream from the discharge in question will be inspected but does not describe how they will be inspected or what steps will be taken if sludge is encountered.
- 2.) Page 5. The primary target cleanup levels are complete removal of both PCB's and volatile organic contaminants. If this is not achievable then a secondary cleanup level of 1 ppm for PCB's and 1 ppb for volatiles must be achieved. The proposal should place no upper limit on the amount of contamination Westinghouse will remove to reach the secondary cleanup levels (1 ppm).
- 3.) Analytikem is still not on DEE's list of technically acceptable laboratories. If this laboratory has not been found to be technically acceptable by the time samples are collected then another lab should be selected.
- 4.) Page 6. Please describe procedures for decontaminating the trackhoe.

- 5.) Page 7. Please clarify what is meant by "Condition 2" under EPA SW 846.
- 6.) Page 7. The third paragraph covering target cleanup levels should be modified according to the wording in Maura Desmond's letter of March 10, 1989.
- 7.) The Health and Safety Plan (HSP) has not been revised as requested (item #18 - letter of 2/16/89).
- 8.) All revisions to the HSP should not be deferred until after site work is started (item #20 and #21).
- 9.) No new information has been provided in response to item #23. We need to know specific practical quantification limits (PQL) which your laboratory will deliver for volatile organics and PCB's. There is still confusion in this regard because you have circled a factor of 125 on page 5 of Method 8240 without justification.

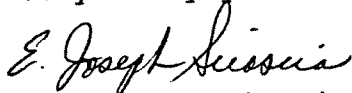
You have already had analyses done on this matrix (sludge/soil) and therefore PQL's should be readily available. However your lab will have to justify anything higher than low level PQL's listed in Methods 8240 and State Contract Laboratory Protocol (SCLP) for PCB's. This is an important issue because PQL's are the primary cleanup targets.

- 10.) Please show north on diagram C-4.
- 11.) Figure C-3 shows a depth for the planned excavation. We interpret this as being conceptual. The actual cleanup will proceed to the target levels specified in our March 10, 1989 letter.

If it is more convenient, the above changes can be contained in an addendum. The requested revision should be submitted to this office within 10 days of receipt of this letter.

Should there be any questions, please feel free to contact Maura Desmond or myself (716-847-4582).

Very truly yours,



E. Joseph Sciascia, P. E.
Senior Sanitary Engineer
Division of Environmental
Enforcement

EJS/mf

cc: J. Hyden, Region 9
M. Desmond, Esq.



New York State Department of Environmental Conservation

MEMORANDUM

TO: Jack Hyden
FROM: Joe Sciascia
SUBJECT: Eastern Electric Apparatus Co.
Proposed Work Plan - 3/9/89
DATE: March 27, 1989

Thank you for your written comments related to the subject PCB cleanup proposal. A number of those comments have been included in the attached letter. Others have not for the following reason:

- 1.) A number of comments requested additional details on the inside tank cleanup. Our primary concern is that sludge is removed and disposed in a safe approved manner. The plan should be capable of accomplishing this.
- 2.) The narrative description of the decontamination area in Section 5.2.1. seems to be adequate.
- 3.) The sludge pile area has recently been fenced, therefore the fencing should protect against accidental entry (Section 5.2.3).
- 4.) The maximum depth of excavation will depend on the extent of contamination. We prefer not to set limits on the areal or vertical extent of soil/sludge to be removed.
- 5.) Section 5.2.5 screening for PCBs on backfill soil should be adequate.

EJS/mf

Attachment

FILE

E. Joseph Sciascia
John W. Hyden
Eastern Electric Apparatus Facility
1132 Seneca Street, Buffalo, New York
March 23, 1989

This memorandum provides our comments on the March 9 Remediation Work Plan for the above referenced project. The primary deficiencies in this latest revised work plan are in showing layouts of the work zones and in presenting details of various safety and remediation procedures to be followed. Our specific comments are given in the remainder of this memorandum.

Section 4.1, fourth, fifth, and sixth sentences: A drawing showing the location of the sumps adjacent to the spray booth and also of the primary and secondary sludge pits should be given. This drawing should also show the plumbing (e.g. sump decantation pipe) and the devices that prevent carryover of sludge from the pits into the sewer system.

Section 5.1.1: A layout of the site setup, including the hot zone, decontamination area, support zone, and work area should be given. A catalog cut of the Visqueen material (first paragraph) should be included.

Section 5.1.2: Specific measures for preventing spilling of the water and pumpable sludge (second sentence) should be shown and/or described. The layout of the staging areas (third and fourth sentences) for the collection drums should be included. Specific characteristics (e.g. catalog cuts) of the DOT approved drums (first sentence) and/or Type 17H drums (fourth sentence) should be added.

Section 5.1.3: Measures to prevent rather than minimize escape of mists and wash and rinse waters from the pit area (third paragraph) are preferred. These methods should be described in detail. Similar to our comment on Section 5.1.2, the characteristics of the Type 17E drums (first paragraph) should be given.

Section 5.1.4: The layout and location of the staging area for the containers (second paragraph) should be shown. Details of the cited DOT containers (first paragraph) should be given.

Section 5.2.1: Similar to our comment on Section 5.1.1, the layout of the site setup for this portion of the project should be given.

Section 5.2.3: Details of the covering(s) to be used and security measures to be followed for the open excavation (second paragraph) should be described. Specific procedures for decontaminating the trackhoe (third paragraph) should be included.

Section 5.2.4: In addition to the areal extent, the maximum depth to which Westinghouse intends to extend the two excavations (third paragraph) should be given.

Section 5.2.5: Provision should be made for a complete chemical analysis (e.g. TCL) of the proposed backfill, not just for PCB's.

Thank you for the opportunity to review this work plan. If you have questions on our comments, please contact us.

vam

Westinghouse
Electric Corporation

Westinghouse Building
Gateway Center
Pittsburgh Pennsylvania 15222

March 10, 1989

RECEIVED

MAR 13 1989

N.Y.S. DEPT. OF
ENVIRONMENTAL CONSERVATION
DIV. ENVIRONMENTAL ENFORCEMENT
BUFFALO FIELD UNIT

Mr. E. Joseph Sciascia
Senior Sanitary Engineer
Division of Environmental Enforcement
New York State Department of Environmental Conservation
600 Delaware Avenue
Buffalo, New York 14202-1073

Re: Eastern Electric Apparatus
1132 Seneca Street
Buffalo, New York

Dear Mr. Sciascia:

In response to your comments presented in your letter dated February 16, 1989, concerning the work plan submitted by Westinghouse Electric Corporation for remediation efforts at the above-reference facility, enclosed for your review are three copies of a revised work plan. The work plan presents the procedures that will be used to remediate the active spray booth area and the contaminated sludge piles at the Eastern Electric facility.

The majority of the comments presented by the New York State Department of Environmental Conservation (NYDEC) have been addressed in the body of the work plan. I have attempted to facilitate your review of the work plan by directing you to the appropriate section or page of the work plan where responses to your comments can be found. In a few cases, it was not appropriate to address NYDEC comments in the work plan itself, thus I have provided a response in the discussion presented below. (Refer to your February 16, 1989 correspondence).

1. Refer to title page of enclosed report - Remediation Work Plan, Eastern Electric Apparatus Facility, 1132 Seneca Street, Buffalo, New York, March 9, 1989.
2. Done.

Mr. E. Joseph Sciascia
March 10, 1989
Page Two

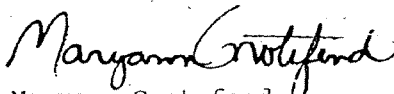
3. Refer to Drawing C-2 (Site Plan) in Appendix A.
4. Refer to Drawing C-4 (Sampling Layout) and following discussion in Appendix A.
5. Refer to page 8, Section 7.0-Project Coordination.
6. Refer to page 8, Section 6.0-Disposal of Waste & Reporting
7. Refer to page 4, Section 5.1.3-Decontamination.
8. Refer to page 7, Section 5.2.4-Sampling and Analytical Testing. Target cleanup levels and the possibility of further remedial efforts have been discussed with NYDEC and agreement was reached. Please reference the letter from William D. Wall, Senior Counsel, Environmental Affairs, Westinghouse Law Department, to Maura C. Desmond, Senior Attorney, NYDEC dated February 22, 1989.
9. Refer to pages 5 and 6, Sections 5.2-Contaminated Soil Area and 5.2.3-Contaminant Screening.
10. Field screening for PCBs will not be performed. Laboratory procedures concerning PCB testing can be found in Appendix C.
11. Refer to Appendix B.
12. Refer to page 6, Section 5.2.4-Sampling and Analytical Testing.
13. Refer to Appendix C.
14. Refer to page 7, Section 5.2.4-Sampling and Analytical Testing.
15. Refer to pages 3, 4, and 8, Sections 5.1.2-Material Removal, 5.1.4-Site Breakdown, and 7.0-Project Coordination.
16. Refer to page 5, Section 5.2.2-Materials Removal.
17. Refer to Drawing C-3 (Cross-Section Pile #1) in Appendix A.

Mr. E. Joseph Sciascia
March 10, 1989
Page Three

18. Refer to Appendix D. A chain-link fence has been installed around the sludge pile as requested by NYDEC which serves to limit access to the contaminated sludge pile. During the remediation, access to the area will be limited and only those persons working in the remediation effort will be permitted near the contaminated zone as specified in the site health and safety plan.
19. Refer to C-2 (Site Plan).
20. Further revisions to the health & safety plan will be made once the remediation site is mobilized to the site.
21. Same as item 20 above.
22. The checklist has been provided for the health and safety officer in case the need arises.
23. Refer to Appendix C.
24. Refer to page 2, Section 4.1-Spray Booth. The Buffalo Sewer Authority, will be apprised of the results of our investigation.
25. A field G.C. will be not used in this effort.
27. Daily field logs will be maintained and a final report presenting the results of the remediation effort will be provided to NYDEC.

Your expeditious review is required in order to utilize the existing right of access to the adjoining property, which such access expires on midnight March 31, 1989. If you have further questions or need additional information please do not hesitate to call me at (412) 642-3951.

Sincerely,



Maryann Grotefend
Project Engineer
Environmental Affairs

MG:tl:1975v

Revision H2

Remediation Work Plan
Eastern Electric Apparatus Facility
1132 Seneca Street
Buffalo, New York

RECEIVED

MAR 13 1989

N.Y.S. DEPT. OF
ENVIRONMENTAL CONSERVATION
DIV. ENVIRONMENTAL ENFORCEMENT
BUFFALO FIELD UNIT

March 9, 1989

Westinghouse Environmental Services

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Remediation Work Plan
Eastern Electric Apparatus Facility
Buffalo, New York

1.0 Work Plan Objectives

The objective of this work plan is to present procedures that will be employed to remediate the active spray booth area and the contaminated sludge piles at the Eastern Electric Apparatus Repair Company, Inc. facility, located at 1132 Seneca Street in Buffalo, New York.

Methods will be outlined as to how the water and sludge will be removed from the spray booth pit and the precautions that will be taken to prevent contaminated or cleaning water from escaping the pit area. The method of removal of the small piles of contaminated sludge in the northeast corner of the Eastern Electric property will also be addressed.

The work plan will review the procedures that will be used to decontaminate the spray booth area and to dispose of contaminated soil, water and sludge from the property. It will also discuss the quality control program that will provide for the safe and successful completion of this project.

2.0 Site History

Westinghouse constructed the present repair facility in 1932. Since that time the facility has been used to repair transformers, motors, generators and other electrical apparatus. On June 30, 1986 Westinghouse sold the Buffalo repair facility to Eastern Electric Apparatus Repair Company, Inc.

Westinghouse initiated discussions with the New York Department of Environmental Conservation in October 1988 and submitted a work plan concerning remediation of the spray booth and of two sludge piles located in the northeast corner of the facility. In an effort to define the extent of contamination arising from the sludge piles and to assess the spray booth, Westinghouse obtained several samples of sludge, soil and spray booth wastewater. The results of this sampling are presented in Appendix A.

3.0 Project Overview

The remediation project at the Eastern Electric Company facility in Buffalo, New York consists of two separate tasks. The first, involves the decontamination of the spray booth located inside the Eastern Electric building. This task requires liquid and sludge removal, and washing of concrete and metal surfaces to reduce concentrations of PCB contamination to acceptable levels. The second task requires the excavation and disposal of two sludge piles located in the northeast corner of the property. These sludge piles resulted from the disposal of materials formerly removed from the before mentioned spray booth.

4.0 Site Description

4.1 Spray Booth

The spray booth is a 12 ft. X 12 ft. area at floor level that is sectioned off from the remainder of the room by two parallel vertical walls. The booth has a steel grate floor and is above a bi-level pit. This first level of the pit was found to be 9 ft. wide by 12 ft. long by 3 ft. deep and the second level 7 ft. wide by 12 ft. long by 7 ft. deep (refer to drawing C-1). The pit contains approximately 850 to 1000 gallons of pumpable liquid and 5 cubic yards of sludge. Adjacent to the pit is a sump that is connected by a decantation pipe, which pours off into the sewer system. All waters flow from the sewer system into two pits (primary and secondary). There is no carryover of solids from the pits into the sewer system. Although previous inspections of the pits have not indicated the presence of solids, they will be inspected again following mobilization of the cleanup crews.

4.2 Sludge Piles

The second area to be addressed is two sludge piles located in the northeast corner of the property. Pile #1 straddles Eastern Electric property and the adjoining property. The surface dimensions of the pile are 9 feet wide by 13 feet long (refer to drawing C-4). The pile has a maximum height of approximately 20 inches and slopes downward to about 6 inches high on the neighboring property (refer to drawing C-3). Pile #1 contains approximately 8 cubic yards of contaminated material. Pile #2 is located between Pile #1 and a block building 40 feet away (refer to drawing C-2). This pile has dimensions of 3 feet wide by 4 feet long by 11 inches high. The pile contains about one-half cubic yards of material.

5.0 Scope of Work

The tasks included in this work plan center around two separate work areas: the spray booth area, and the contaminated sludge pile area. This section will describe the methods and procedures that will be used during the remediation of these two areas.

5.1 Spray Booth Area

5.1.1 Site Set Up

Upon arrival on site, the cleanup team will establish a Hot zone, Support zone and a decontamination area for exit/entry. The Hot zone will consist of the booth area and a small work area surrounding the booth for staging and handling of drums. The booth will be enclosed by a visqueen curtain to contain contamination migration. The work area will be established by barrier tape to prevent improper entry/exit into the Hot zone. This area will also be covered by visqueen secured to the floor to limit the spread of contamination.

A decontamination area will be established on the edge of the work area. In this area, equipment and personnel will be cleaned and expendable gear discarded before entering into other areas of the plant.

A Support zone will be established adjacent to the decontamination area. This area will consist of a First Aid Station, personal protective equipment area and drum staging area.

5.1.2 Material Removal

Upon completion of site set up, the cleanup team will commence material removal by pumping pumpable sludge and water from the pit into DOT approved drums. Care will be taken to prevent spillage when handling these materials. Several drums will be brought into the work area at a time. These drums will be filled, closed, wiped off and transferred back to the Support area for later disposition. When the water has been completely removed, the crew will begin containerizing the remaining sludge into 17H drums. This will be performed in two different steps. A 2 inch diaphragm pump will be utilized to pump as much of the sludge as possible. The remainder of the heavier sludge will be shoveled into buckets, raised and poured into drums.

5.1.3 Decontamination

After the completion of material removal, a two phase washing process will begin. All concrete and metal surfaces will be scrubbed with stiff bristle brushes and Kerosene/Diesel fuel. The liquid will then be absorbed utilizing organic sorbent pads. After all surfaces have been treated in this manner, a penetone Power Cleaner 155 solution will be applied and allowed to soak into the surfaces. A high pressure washer will be utilized to rinse all surfaces twice. A penetone and water solution will be used in the rinsing process. All wash and rinse waters will be pumped into 17E drums for disposition with other contaminated liquids. The sump and decantation pipe will be cleaned in the same manner as the pit, as well as associated grating.

The decontamination method described was selected based on experience gained from numerous other projects. This method was selected based on the following:

1. Small overall surface area to be cleaned.
2. The number of vertical and horizontal features associated with the location.
3. The limitation of possible risk of spreading contamination to adjacent work areas.
4. Economic factors.

The kerosene/diesel fuel acts as a "solvent" to remove the PCB's from the concrete or metal surface. Once removed, the PCB's become bonded with the kerosene/diesel which is collected and disposed of properly. The Penetone Power Cleaner (a alkaline degreaser) is applied to help remove the kerosene/diesel fuel. The product has a surfactant that enables the organic solvent to be removed from the surface material.

Care will be taken during the cleaning operation to minimize escape of initial wash or rinse from the pit area, as well as spray from the washing procedure. Drains in the area will be plugged prior to startup and protective covering will be erected where necessary to keep misting to a minimum. All wash and rinse liquids will be handled as potentially contaminated or analyzed and verified clean.

5.1.4 Site Breakdown

This last phase of work is a combination of many small tasks. After the pit, grates, sump and booth are clean, breakdown procedures will begin with decontamination of all reusable equipment. This will be done by washing all pumps, hoses, etc., with penetone and water. All visqueen, sorbent etc., will be placed into DOT containers for disposition. The

remaining wash waters will be transferred into containers for disposition at approved facilities after sampling and analysis.

While samples are being taken, all containers will be properly labeled and checked to be sure that they are properly closed and ready for shipment. The containers will then be taken to a staging area where they will be stored until they are ready to be delivered to an approved TSCA/RCRA disposal facility..

5.2 Contaminated Soil Area

There are two contaminated sludge piles located in the northeast corner of the Eastern Electric property. Pile #1 extends over onto an adjacent property. The second smaller pile lies between the Pile #1 and a block building at the rear of the property (refer to drawing C-2).

Target cleanup levels are determined to be 1 PPM for PCB's and 1 PPM total volatile organics. Field screening levels for volatile organics, as recorded by an organic vapor analyzer, will be 10 PPM.

5.2.1 Site Set Up

As stated before, for the spray booth area, the cleanup crew will establish a Hot zone, Support zone and a decontamination area for exit/entry. Pile #1 has been secured with a 7 foot high chainlink fence with 3 strands of barbed wire at the top. The fenced area measures 25 ft. X 25 ft. The taped Hot zone will encompass Pile #2, the fenced Pile #1, and an area sufficiently large enough to contain the excavation equipment and waste containers. The Decontamination area and Support zone will be established as previously described.

5.2.2 Materials Removal

A trackhoe (Catapillar 215 or equal) will be used for excavating the contaminated piles. The trackhoe will initially be positioned on the Eastern Electric side of Pile #1. Following removal of one side of the chainlink fence excavation will proceed. The excavation will include the piled material and 6 to 12 inches of soil beneath the pile. All excavated soil will be stored in a 20-yard rolloff box supplied by a licensed special waste hauler. The positioning of the trackhoe and the rolloff box relative to the two contaminated piles will be such to minimize travel by the trackhoe. The excavation will extend 4 to 8 feet beyond the limits of each pile.

Following excavation and sampling, the entire excavated area will be covered with Visqueen to prevent infiltration of

rainwater. Once laboratory test sample results are obtained (estimated to be less than 24 hours) the visqueen will be removed and the excavated area readied for either backfilling or additional excavation.

5.2.3 Contaminant Screening

Post excavation soil samples will be taken at several locations within the excavated area. Soils will be field screened for volatile organics. Screening will be done by filling a sample container with soil, sealing the container with aluminum foil and closing the lid. After five minutes, an organic vapor analyzer (OVA) probe will be inserted into the container through the foil and the headspace measurement recorded. If the soil sampling results indicate the presence of volatile organics greater than 10 PPM (headspace readings), additional soils will be excavated and the screening process repeated.

Field screening for PCB's is not proposed. Testing to within the target levels of 1 PPM, require the use of a portable (field) gas chromatograph (GC). This remediation project is not of sufficient size to economically justify the mobilization of the GC. Other field tests for PCB's (Clor-N-Oil Test Kit by Dexsil Corp.) do not have the sensitivity needed to confirm that acceptable target levels have been obtained. For these reasons soil samples will be collected following completion of the anticipated excavation and sent by overnight courier to Analytikem in Cherry Hill, New Jersey for quantification of PCB's. We anticipate 24-hour turn-around in obtaining the results. As described above, the excavation will be covered and secured while the testing is being performed.

Following completion of the excavation, the trackhoe will be decontaminated. Wash and rinse liquids will be contained in drums for proper disposal. Contaminated hand tools will either be decontaminated or disposed.

5.2.4 Sampling and Analytical Testing

All soil sampling and field screen testing will be conducted in accordance with procedures outlined in Appendix B. Screening samples for volatile organics will be taken at the surface within each 100 square feet of excavated area and 6 inches below the ground surface on four sides of Pile #1 excavation, and two sides of Pile #2 excavation. These samples will be tested with an OVA and if headspace concentrations are below 10 PPM then they will be shipped overnight to Analytikem Laboratory and tested for PCB & total volatile organic content. If the laboratory test results reveal concentrations that meet the target levels, then the screening samples results will be

submitted to NYDEC as confirmation of cleanup.

All Analytical testing methods will be conducted under EPA SW 846 Condition 2. The laboratory will submit reportables and deliverables specified in SW 846 section 1.5. Analytikem is currently approved by NYDOH and has submitted all documentation to NYDEC. They are currently awaiting a NYDEC audit. Analytikem's standard operating procedures are included in Appendix C.

The screening/confirmation procedures described above (section 5.2.3) will be repeated until the laboratory has confirmed that target levels have been attained. The target levels will be 1 PPM for PCB's and 1 PPM total volatile organics. If target levels can not be obtained following excavation within the secured fenced area of Pile #1 (25 ft. X 25 ft. area) or a 15 foot square area encompassing Pile #2, then remediation will be suspended. Future efforts will be directed by the plan agreed to by Westinghouse Electric and NYDEC. The agreement is as follows:

"In the event the target cleanup levels of 1PPM for PCB's and 1PPM for total volatile organics in the soil are not attained, NYDEC may determine whether or not a groundwater investigation is warranted. The purpose of the groundwater investigation would be to assess the effect upon groundwater quality of residual soil contamination resulting from the sludge piles. In making such a determination, the NYDEC will consider all relevant factors including the nature and quantity of residual contaminants, soil types, depth to groundwater, site or regional geology and hydrogeology, and groundwater quality and use in or around the site. Westinghouse may comment upon NYDEC's determination and NYDEC agrees to consider Westinghouse's comments. If the NYDEC determines that a groundwater investigation is required, NYDEC shall provide Westinghouse with a written explanation of the basis for its decision and Westinghouse shall perform a groundwater investigation. Westinghouse reserves all rights that it may have to challenge or contest NYDEC's determination on the grounds that consideration of the above referenced relevant factors does not justify a groundwater investigation or that the conditions as set forth in the Conditional Discharge have been otherwise fulfilled."

5.2.5 Backfilling

Following removal of contaminated soil to acceptable levels, the excavation will be backfilled. Several suppliers will be contacted to acquire backfill material. Remediation personnel will visit each potential borrow location and acquire backfill samples. Samples collected from the preferred supplier

(based on cost, availability and routing) will be analyzed for PCB's.

Once the backfill soil has been verified free of PCB's it will be trucked to the project site. There, it will be dumped in the excavation and spread and compacted with the trackhoe. Grass seed and mulch will be placed on the ground surface. The security fence will be removed and the site fencing restored in its original location.

6.0 Disposal of Waste & Reporting

All containers of waste water and sludge from the spray booth will be shipped to APTUS in Coffeetown, Kansas for ultimate disposal. Contaminated soil and sludge from the sludge piles are to be temporarily stored in the 20 yard rolloff box. Once excavation is complete the stored soil will be sampled and characterized for disposal at an approved facility. All containers of solids will be taken to either APTUS or a Chemical Waste Management facility in either Model City, New York or Emelle, Alabama. The selected location will depend on approval, transportation, and disposal costs and scheduling requirements. Results of the analytical protocol and data will be maintained on file and submitted to NYDEC. Upon completion of the site remediation a report concerning the activities and test results will be prepared.

7.0 Project Coordination

Following a tentative agreement with NYDEC for the execution of this work plan, Eastern Electric Apparatus and Penn Central will be notified of the plant to begin the remediation work. Penn Central has been informed of this project and has granted Westinghouse Electric a right of entry. This right was granted on 2-28-89 and extends either to completion of the work or 3-31-89, whichever occurs first. Therefore, a quick review and approval is necessary to operate under this access privilege.

Prior to actual remediation, cleanup personnel will meet to review Health and Safety plans and to inform Eastern Electric's Plant Manager of the remediation procedures and schedulings. Concurrently NYDEC will be notified as to when the remediation will begin and at the following stages:

1. After initial setup of staging areas, hot zones and support zones.

2. At the start and after cleaning of the sludge pit, but prior to reinstallation of the grates.
3. At the start of excavation of the outside sludge pile and upon completion of preliminary removal.

It should be noted that the entire remediation activity will take less than 5 work days. Once on the site, remediation crews will work continuous 8 to 10 hours each day with the exception of waiting for analytical test results. Even during this short shutdown period, other activities will be assigned to excavation personnel.

8.0 Specific Health & Safety Plan

A site specific safety and health plan has been developed for the Buffalo site. Preparation was done by Sonya Monjkowski, Industrial Hygienist and approved by Dr. Ronald G. Huggins, CIH #3003. A copy of the plan can be found in Appendix D.

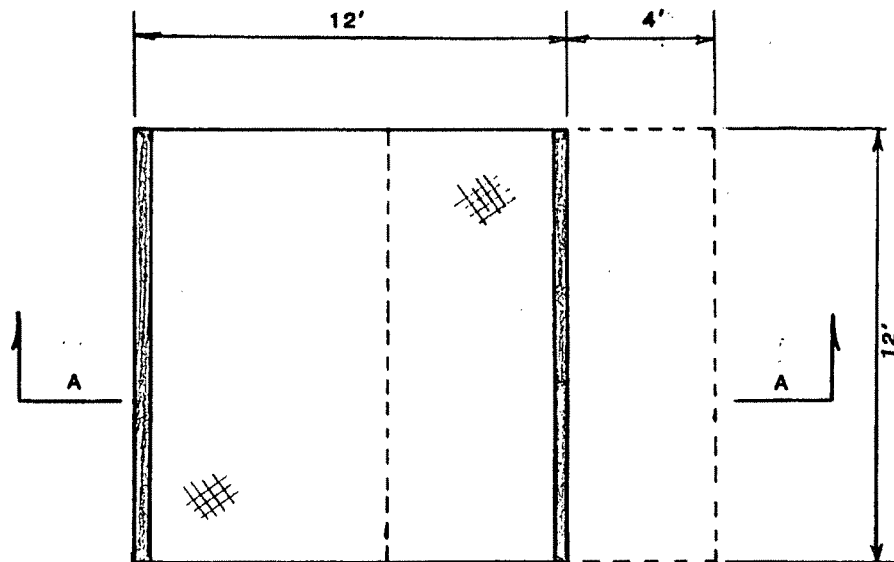
9.0 Certification of New York P.E. Engineer

The services of Stan Schwartz of Westinghouse Environmental Services will be contacted to oversee cleanup activities at the Eastern Electric site. Mr. Schwartz is a licensed engineer in the state of New York. He will certify that all work is certification number is 12638.

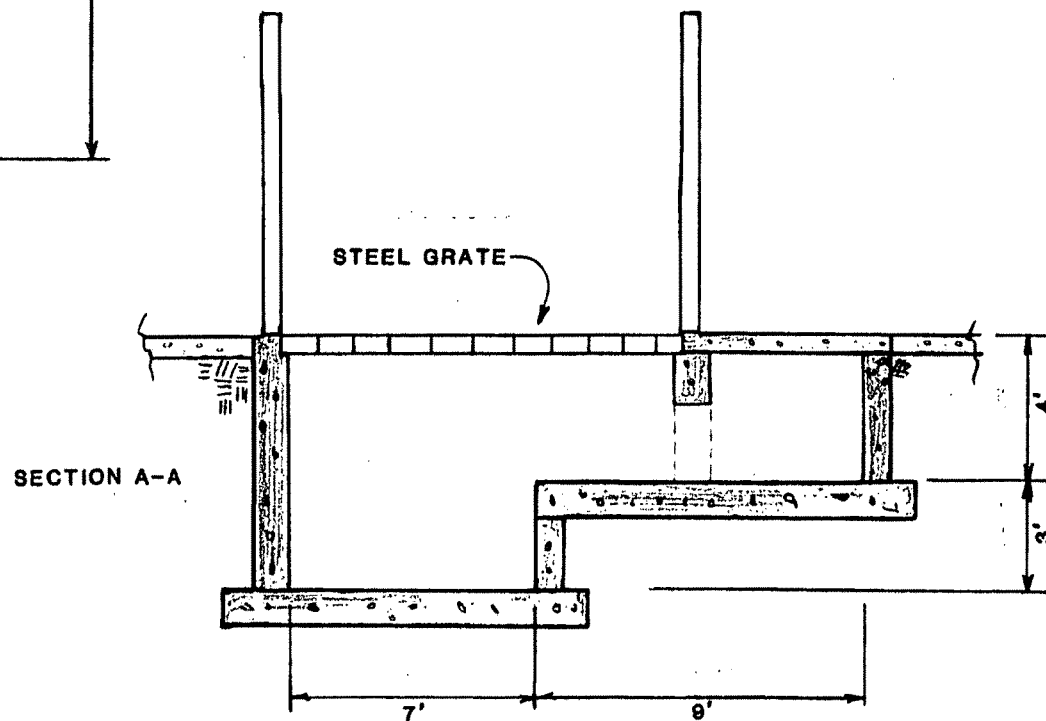
A



DRAWINGS
&
REPORT OF FINDINGS
NOVEMBER 10, 1988



PLAN



SECTION A-A

C-1
SPRAY BOOTH PIT

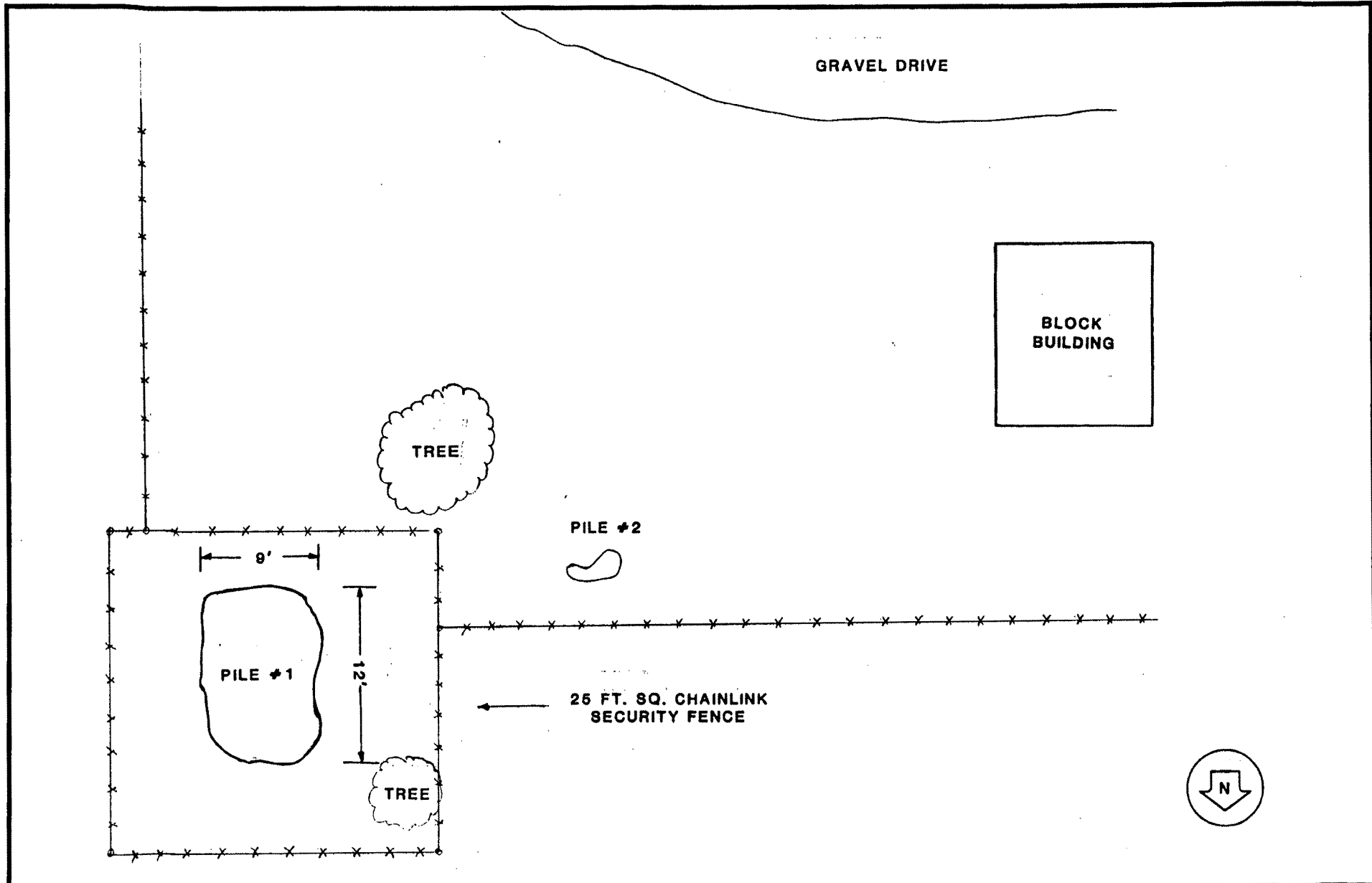
SCALE: 1"=50'

DATE: 3/9/89

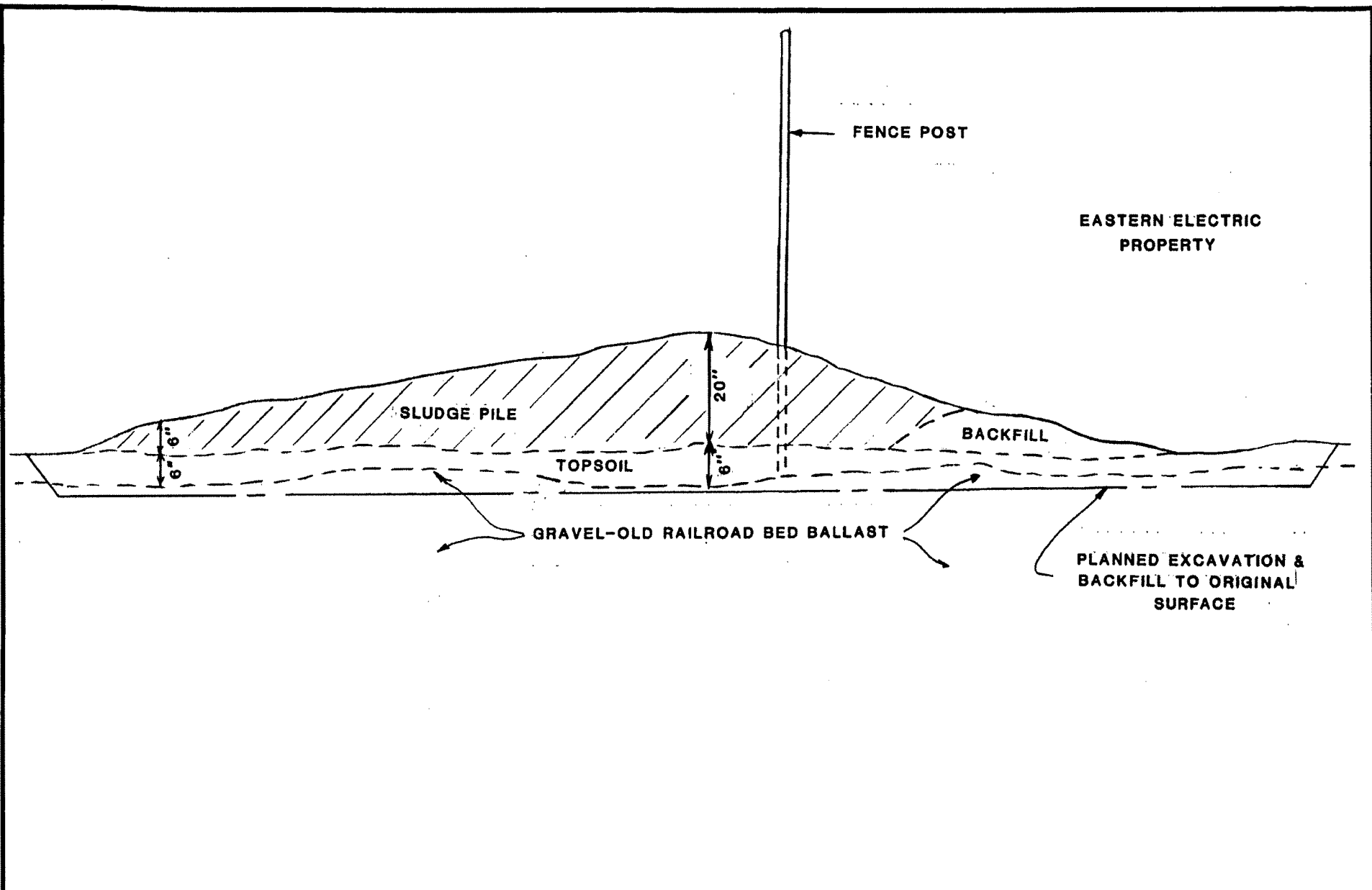


Westinghouse
ENVIRONMENTAL SERVICES

EASTERN ELECTRIC APPARATUS
BUFFALO, N.Y.



C-2 SITE PLAN	SCALE: 1"=10'	 Westinghouse ENVIRONMENTAL SERVICES	EASTERN ELECTRIC APPARATUS BUFFALO, N.Y.
	DATE: 3/9/89		



C-3
CROSS-SECTION
PILE #1

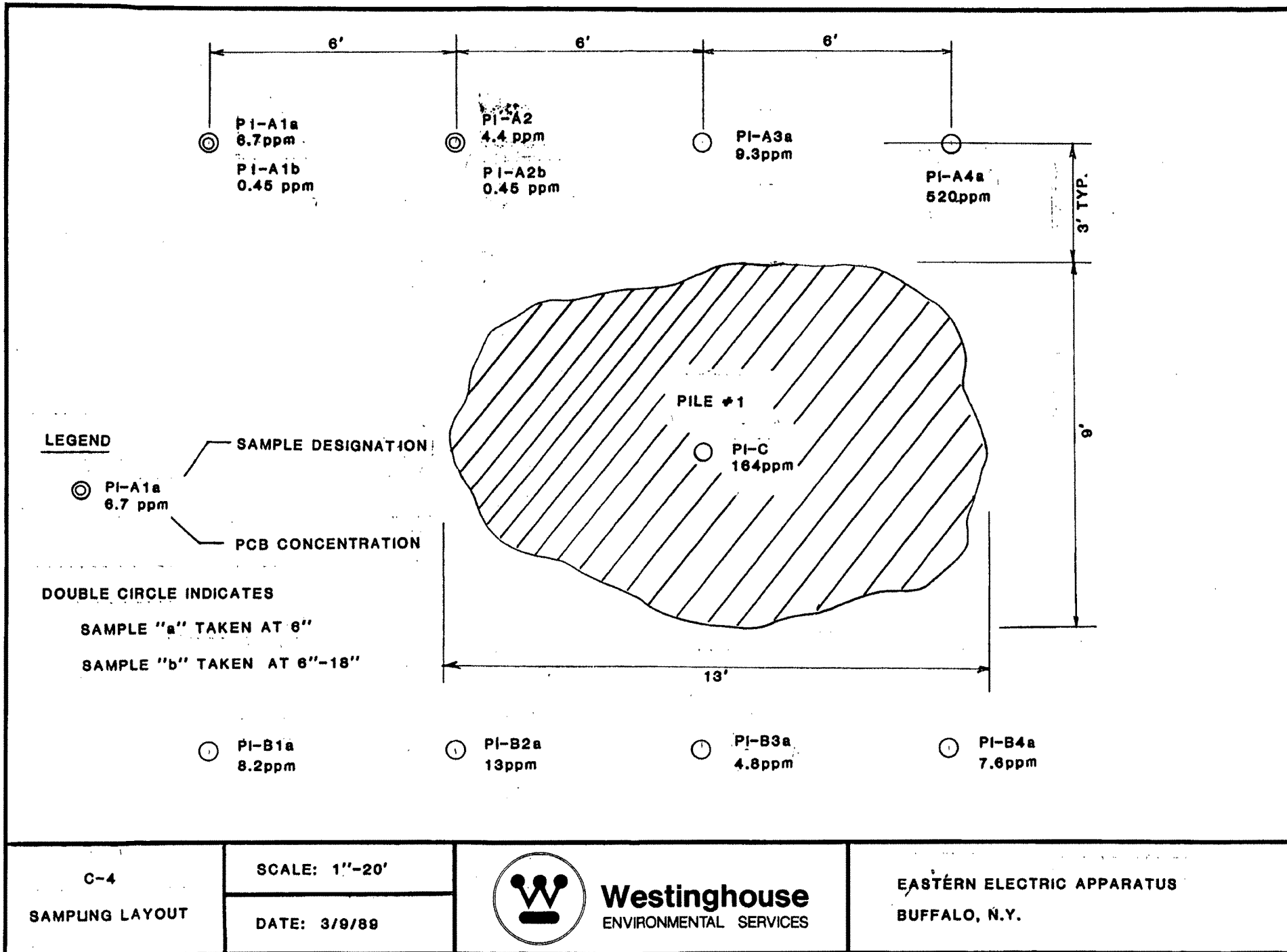
SCALE: 1"-30'

DATE: 3/9/89



Westinghouse
ENVIRONMENTAL SERVICES

EASTERN ELECTRIC APPARATUS
BUFFALO, N.Y.



C-4 SAMPLING LAYOUT	SCALE: 1"-20'	 Westinghouse ENVIRONMENTAL SERVICES	EASTERN ELECTRIC APPARATUS BUFFALO, N.Y.
	DATE: 3/9/89		

Site Inspection & Sampling

November, 1988

Westinghouse/Haztech mobilized a crew to the Eastern Electric facility on November 10, 1988, to sample waste for disposal and assess the site for cleanup procedures. Upon arrival at the site, Haztech personnel surveyed (inspected) the two areas to be cleaned up.

The first area is the pit below a spray booth containing approximately 850 gallons of pumpable liquid and 5 cubic yards of sludge.

The second area is two sludge piles located in the northeast corner of Eastern Electric's property and an adjoining property. The pile consists of approximately 8 cubic yards of sludge.

Area 1 is a paint booth with the dimensions of 12 ft. X 12 ft., containing a bi-level pit beneath the floor. The first level was found to be 3 ft. wide X 12 ft. long X 9 ft. wide and the second level at 7 ft. wide X 12 ft. long X 7 ft. deep (refer to drawing C-1).

Area 2 consists of two soil piles located in the northeast corner of the property.

Pile #1 surface dimensions were identified as approximately 9 ft. wide X 13 ft. long. The pile is approximately 20 inches high and slopes down to about 6 inches high on the neighboring property (refer to drawing C-2 and C-3).

Pile #2 is located between the first pile and a block building. This pile had dimensions of 3 ft. wide X 4 ft. long X 11 ft. high.

These piles are located on approximately 6 inches of topsoil which is underlaid by coarse gravel and sand. The area was sampled in the following manner:

Pile #1 A grid 18 ft. wide X 24 ft. long (refer to drawing C-3) was laid out on 6 foot intervals. A composite sample was made of the pile. Then the area surrounding the pile was sampled approximately 3 feet out from the pile at 6 foot intervals lengthwise down the pile at a depths of 6 inches.

File #2 Two composite samples were taken. One composite (P2-1C) was taken 2 feet out at four locations around the pile to a depth of 6 inches to test for migration. The other composite (P2-C) was taken from the pile.

The Analytical test results of these samples are attached.

SAMPLE PCB'S				METALS:					PH UNITS	TETRA CHLORO ETHENE	ETHYL BENZENE	XYL, M	XYL, O,P	1 MECL	ACE TONE	2 MEK	TOL UENE	3 1.1.1 TRI CHL	NON TARGET COMPS
DESIG-	AROCLOR:			EP TOX															
NATION	1016	1242	1260	Ba	Cd	Pb	Hg	Cr											
P1-A1a	ND	ND	6.7	.22	ND	ND	ND	ND	7.6	<.33	<.33	<.33	<.33						0.63
P1-A2	ND	ND	4.4	.71	ND	ND	ND	ND	7.8	1.2	<.33	<.33	<.33						ND
P1-A3a	ND	ND	9.3	.32	ND	ND	ND	ND	7.2	1.5	<.33	<.33	<.33						0.53
P1-A4a	ND	ND	520	.69	ND	2.5	ND	ND	7.6	.22	<.33	<.33	<.33						1.2
P1-B1a	ND	ND	8.2	.73	ND	ND	ND	ND	6.9	<.33	<.33	<.33	<.33						0.64
P1-B2a	ND	ND	13	.23	ND	ND	ND	ND	7.2	<.33	<.33	<.33	<.33						ND
P1-B3a	ND	ND	4.8	.32	ND	ND	ND	ND	6.9	.27	<.33	<.33	<.33						ND
P1-B4a	ND	ND	7.6	.50	ND	ND	ND	ND	7.9	<.33	<.33	<.33	<.33						ND
P1-A1b	ND	ND	.45	.23	ND	ND	.024	ND	7.9										(<7.9)*
P1-A2b	ND	ND	.45	.42	ND	ND	ND	ND	8.3										(<4.7)*
P1-C	ND	85	79	.56	.041	ND	.025	ND	7.8	62		45	64						ND
P2-1C	ND	30	23	1.0	.064	.18	.03	ND	7.9										(<7.6)*
P2-C	ND	330	150	.94	.28	ND	ND	ND	8.9										(<9.3)*
WB-S	170	ND	56	1.8	.28	.36	ND	ND	8.9	<.33	62	210	170						ND
WB-W	ND	ND	ND	.39	ND	.86	ND	.09	7.9	<.33	.087	.22	.23	13	.26	.057	.087	.0008	

*Samples are to be rerun at lower detection limit data available 11/29

- 1 - Methylene Chloride
- 2 - Methylene Ketone
- 3 - 1.1.1 Trichloroethane

Note: All units are expressed in PPM.





B



QA/QC

ENVIRONMENTAL SAMPLE METHODS

ENVIRONMENTAL SAMPLE METHODS

This document provides a summary of procedures employed by Westinghouse Environmental Services for collection and handling of environmental samples. Additional stepwise, media-specific protocols and procedures are included in the Westinghouse Environmental Services Standard Operating Procedures and are tailored to and included in site specific plans, as appropriate. All personnel who perform sampling are trained in all applicable Westinghouse Environmental Services and State and Federal requirements pertaining to sample collection, documentation and handling. All meters and probes utilized for the collection of field measurements will be in good repair and properly calibrated in accordance with the manufacturers specifications and Westinghouse protocols.

1.0 SAMPLE COLLECTION PROCEDURES

The exact procedures and equipment used for sampling will depend on the matrix sampled and analyses to be performed. The following are general procedures relevant to all sampling performed.

1.1 Sampling Container Preparation

All containers (regardless of age) used in the sampling of soils, ground water, surface water and sediment shall be cleaned according to the following EPA approved procedures.

Sample containers for organic analyses and metals will generally be cleaned using these sequential steps:

- a) Nonphosphate detergent/hot water wash
- b) Tap water rinse
- c) Distilled/deionized water rinse
- d) Acetone rinse
- e) Pesticide-grade hexance rinse

Containers for metal analyses may, with the approval of the Project Manager, be cleaned using these sequential steps:

- a) Nonphosphate detergent wash
- b) 1:1 Nitric acid rinse
- c) Potable water rinse
- d) 1:1 Hydrochloric acid rinse
- e) Potable water rinse
- f) Reagent grade water rinse

These procedures will not apply to manufacturer prepared sample containers or cartridges used to collect subsurface gas samples. Any containers that are provided for sampling use, in any media, that are certified clean from the manufacturer or laboratory performing the analyses, will be exempted from these cleaning requirements. All other containers shall be cleaned and certified clean through the laboratory providing the analytical services or containers. The container type and preservative requirements will follow the specifications of the laboratory QA/QC Plan and EPA Manual SW-846.

1.2 Decontamination Procedures

All field equipment used during sample collection that comes in contact with the sample has the potential to cause the introduction of contamination or to induce cross contamination shall be decontaminated prior to use. This procedure applies to augering and boring equipment, sample equipment, and field sampling instruments and probes.

Cleaning and decontamination procedures for all field sampling equipment and instrumentation will be conducted in a thorough and step-wise manner as indicated by the methods set forth for the media to be sampled. If necessary, specific areas to be utilized as contaminant reduction zones will be designated in a site specific health and safety plan. All rinse water will be contained or diverted in a manner which prevents contamination of surrounding areas. All rinsate will be collected in a compatible container and properly disposed of to prevent possible contamination to the borehole and/or adjacent areas. Clean, new, disposable latex gloves will be worn when handling sediment sampling equipment, ground-water sampling equipment and monitor well construction materials. All decontamination procedures will be documented on either the Field Report Form (Figure 1) or the Water Sampling Report Form (Figure 2) as appropriate.

Soil Sampling Decontamination

Cleaning and decontamination procedures for all soil sampling equipment will be conducted in a uniform manner. Any deviations from these procedures will be thoroughly documented on the Field Report Form. Decontamination will be conducted in accordance with the following procedures:

- a. Clean sediment sample equipment with potable water and phosphate-free laboratory detergent (Alconox or equivalent), using a brush, if necessary, to remove particulate mater and surface films.
- b. Rinse thoroughly with potable (tap) water.
- c. Rinse thoroughly with deionized water.

- d. Rinse thoroughly with isopropyl alcohol.
- e. Triple rinse with deionized water.
- f. Allow to air dry.
- g. Wrap with aluminum foil, if appropriate, to prevent contamination if equipment is to be stored or transported prior to immediate use.

For field sampling equipment utilized at sites with potential metals contamination, an alternative cleaning and decontamination procedure may be employed. Due to the nature of the work, complexity of the procedure and potential remoteness of some sites, this procedure will be used only when absolutely necessary and with the approval of the Project Manager. The alternative decontamination procedure for metals is as follows:

- a. Clean sediment sample equipment with potable water and phosphate-free laboratory detergent (Alconox or equivalent), using a brush if necessary, to remove particulate mater and surface films.
- b. Rinse thoroughly with 1:1 nitric acid/water solution.
- c. Rinse thorough with distilled water.
- d. Rinse thoroughly with 1:1 hydrochloric acid/water solution.
- e. Rinse thoroughly with distilled water.
- f. Allow to air dry (if applicable).

Ground-Water Sampling Equipment Decontamination

All ground-water sampling and monitoring equipment, including bailers,

pumps and lines, will be decontaminated prior to sampling in accordance with the following decontamination procedures:

- a. Rinse thoroughly with tap water.
- b. Wash with phosphate-free laboratory detergent (Alconox or equivalent).
- c. Rinse with deionized water.
- d. Rinse with isopropyl alcohol.
- e. triple rinse with deionized water.
- f. allow to air dry (if applicable).
- g. Wrap with aluminum foil, to prevent contamination if equipment is to be stored or transported prior to immediate use.
- h. Secure for transport in field vehicle (if applicable).

If decontamination is performed in the field, all rinse water will be contained in a manner which prevents the introduction of contamination to surrounding areas. As warranted based on site conditions, all rinsate will be collected in a compatible container and properly disposed of to prevent possible contamination of adjacent areas. Sampling personnel will avoid contacting bailers or pumps with the surrounding soils or unprotected hands. All bailers or pumps which have contacted any soil, unprotected hands, or anything which may contaminate the equipment will be decontaminated according to the above procedures.

Bottles will be cleaned prior to delivery to the field by the chemical laboratory. For safety reasons and to minimize contamination, preservatives may be added to the sample bottles prior to delivery to the site.

Sampling personnel will don new, laboratory quality disposable gloves. These gloves will be replaced as necessary during the well evacuation and sampling procedure and will always be changed between wells.

Field Analytical Instrument Decontamination

All probes serving analytical instruments used in the field (e.g., pH, and specific conductance meters) will be rinsed with deionized or distilled water prior to each use. Electric water level probes will be cleaned with laboratory grade soap and triple rinsed between wells. During soil sampling, equipment used for monitoring organic vapors (e.g., HNu and OVA) will be properly cleaned, according to manufacturer specification, prior to use.

1.3 Procedures to Prevent Cross Contamination

Personnel collecting soil, ground water, and air samples will take the following precautions to minimize sample contamination or cross-contamination between samples:

- o At a minimum, latex surgical gloves will be used while taking all samples, disposed of after equipment has been decontaminated, and a clean pair used for the next sample.
- o Sampling personnel will not touch the inside of the sampling container.

- o Sampling personnel will not walk over any areas where samples will be taken.
- o Only equipment that has been properly decontaminated will be used for environmental collection.

Immediately following the collection of the sample, the container will be sealed and the sample will be labeled and entered in the field log book. At this time, the Chain-of-Custody Form (Figure 3) will be completed to note the acquisition of the sample.

The sample will then be placed in the shipping container and preserved according to the directions of the laboratory and EPA manual SW-846 procedures.

1.4 Sample Identification and Labeling

Each sample shall be identified in the log book and on the sample container label. The sample label shall include the following information:

- o Date and time
- o Sample ID number
- o Project number
- o Sampler (name)
- o Sample location (and depth, if applicable)
- o Preservation
- o Matrix type

1.5 Field Quality Control Samples

The quantity and types of field quality control samples collected will depend on a variety of factors including: the sampling procedure, media sampled, regulatory classification of the site (i.e. RCRA/CERCLA), potential for cross contamination, and sensitivity of the analyses to be performed.

- o Duplicate samples are blind quality control samples which are duplicates of field samples. They will be collected and labeled as an additional environmental sample. Collection of the duplicate sample must be documented in the field log book. Analytical results of duplicate samples are compared to those of the original sample for final data verification.
- o Trip blanks are prepared by the contract laboratory, and are used to determine if analytical or equipment errors at the laboratory have caused false positive results. Analyses of trip blanks are generally performed for volatile organic samples only. The samples will be submitted blind to the laboratory in coolers containing volatile organic field samples. Trip blanks accompany the field samples during sampling, storage, and transportation to the laboratory. The containers will be filled with material appropriate to the media sampled, as follows:
 - When sampling soil or sediment, the samples will be filled with native soil free of contamination.

- When sampling ground water or surface water, they will contain deionized water.
 - When taking ambient air samples, unused filters or adsorptive media will be used.
- o Field blanks are quality control samples provided to determine whether ambient conditions may affect the quality of samples collected. Field Blanks will be taken as appropriate or as requested by the client, and will consist of materials appropriate to the media sampled, as follows:
- Background soils are used as field blanks when sampling soil or sediment.
 - Deionized water is used when analyzing ground water or surface water.
 - Background air samples are used during ambient air sampling.
- o Split samples are the same as duplicate samples, except that they are submitted to two or more different chemical laboratories. Split samples for volatile organic analyses will be grab samples as opposed to composite samples. When samples are split with an outside source or government agency, the split will be noted. If either party refuses a split sample, the refusal will be noted and signed by both parties.
- o Equipment blanks will be made by pouring laboratory grade deionized water over decontaminated sampling equipment prior to sampling to

determine the effectiveness of decontamination procedures. The samples will be submitted blind to the chemical laboratory for ground-water samples, equipment blanks are generally collected at least once during each sampling day, unless dedicated equipment is used or otherwise specified by the client.

2.0 DOCUMENTATION OF SAMPLING AND HANDLING PROCEDURES

Generally, several documentation methods are used simultaneously to provide complete, legally admissible records of sampling activities performed. Methods utilized include the recording of information in field log books, on sampling forms and field on a chain-of-custody form.

2.1 Field Log Book and Field Report Form

A bound field log book will be maintained by the field sampling team manager to provide a daily record of events. At the beginning of each entry, the following will be recorded:

- o Date
- o Time
- o Meteorological conditions
- o Field personnel present
- o Level of personal protection
- o List of on-site visitors and the level of personal protection
- o Signature of the person making the entry

Field log book entries will be in as much detail as necessary so that essential information is properly documented. All documentation in field books will be in ink. If an error is made, corrections will be made by crossing a line through the error and entering the correct information. Corrections will be dated and initialed. No entries will be obliterated or rendered unreadable.

If no map of sample locations is available prior to sampling, a simple drawing of the site (not to scale) will be included in the log book to provide an illustration of all sampling points.

The cover of each log book used will contain:

- o Person and organization to whom the book is assigned
- o Book number
- o Start date
- o End date

Entries in the log book will include at a minimum the following for each sample date:

- o Site identification
- o Location of sampling points
- o Description of sampling points
- o References to photographs (if applicable) and brief sketch of sampling points
- o Sample identification number

- o Number of samples taken
- o Time of sample collection
- o Reference to sample location map
- o Number of QA samples taken
- o Collectors' names
- o Field observations
- o Sample distribution (e.g., QA laboratory, split samples)
- o All field measurements made (e.g., pH, temperature, specific conductance)

Daily activities shall be summarized on the Field Report Form. If surface or ground-water are sampled, data will be recorded on the Water Sampling Report Form. These forms will be maintained in the project file. Data to be included on the form will include travel time, time at the site and a summary of activities, and observations. The Field Report Form may refer to the field log notebook for additional specific information.

2.2 Sample Chain-of Custody Record Form

In order to maintain an accurate record of sample collection, transport, analysis, and disposal, the following methodologies will be used:

- o Samples will be accompanied by a Chain-of-Custody Form at all times.
- o The Chain-of-Custody Form will be used by personnel responsible for

ensuring the integrity of samples from the time of collection until shipment to the laboratory.

- o The Chain-of-Custody Form will be signed by each individual who has the samples in his or her possession. Preparation of the Chain-of-Custody Form will be as follows:
- o The Chain-of-Custody Form will be initialed in the field by the person collecting the sample, for every sample. Every sample will be assigned a unique identification number, to be entered on the Chain-of-Custody Form. Up to 12 samples can be grouped for shipment using a single form.
- o The record will be completed in the field to indicate project, sampling team, etc.
- o If the person collecting the sample does not transport the samples to the laboratory or deliver the sample containers for shipment, the first block for "Relinquished by _____," "Received by _____" will be completed in the field.
- o The person transporting the samples to the laboratory or delivering them for shipment will sign the record form as "Relinquished by ____."
- o If the samples are shipped to the laboratory by commercial carrier, the Chain-of-Custody Form will be sealed in a watertight container, placed

in the shipping container, and the shipping container sealed prior to being given to the carrier.

- o If the samples are transported directly to the laboratory, the Chain-of-Custody Form will be kept in the possession of the person delivering the samples.
- o For samples shipped by commercial carrier, the waybill will serve as an extension of the chain-of-custody record between the final field custodian and receipt in the laboratory.
- o Upon receipt in the laboratory, the Sample Receiving Supervisor will open the shipping containers, compare the contents with the chain-of-custody record, ensure that document control information is accurate and complete, and sign and date the record. Any discrepancies will be noted on the Chain-of-Custody Form.
- o In the event of the discrepancies, the samples in question will be segregated from normal sample storage and the field personnel immediately notified.
- o The Chain-of-Custody Form is completed upon receipt of the samples by the analytical service. The completed Chain-of-Custody Form will be returned to the Project Manager and maintained in the project file.

3.0 SAMPLE PACKAGING

Samples collected must be handled and shipped in a manner that will protect against any detrimental effects on the samples or the environment due to breakage, leakage or spoilage. Sample handling procedures will be closely supervised and recorded to minimize the potential for loss, modification, or tampering during shipment to the analytical laboratory. Package labeling specification will depend on the type of materials being sent, and will be in accordance with Department of Transportation (DOT) regulations (49 CFR, Parts 171 through 177). Samples of hazardous materials will be stored and handled in accordance with all applicable Federal, State and Westinghouse corporate requirements.

Samples will be immediately placed in the sample cooler. Once the cooler is filled with samples, it will be locked and securely positioned in a sampling vehicle or other secure storage facility until the completion of the day's sampling activities. The following protocol will be used for packaging of samples:

- o Only waterproof metal or equivalent strength plastic ice chests and coolers will be used.
- o The volume level will be marked on each bottle with a grease pencil.
- o Strapping tape or custody seals will be placed around the lid of all sample containers except for volatile organic samples.

- o Samples will be packed properly for shipment so that bottles will not dislodge and/or break during shipment.
- o Approximately three inches of inert cushioning material will be placed in the bottom of the cooler.
- o The sample containers will be placed upright in the cooler in such a way that they do not touch and will not touch during shipment. In addition, all sample containers will be placed in clear, plastic, leak proof bags. Care will then be taken to ensure that sample labels are legible through the bag.
- o Additional inert packing material will be placed in the cooler to partially cover the sample containers. Freeze packs will be placed around, among, and on top of the sample containers.
- o Each cooler will be filled with additional cushioning materials to prevent movement of samples during shipment.
- o The Chain-of-Custody Form will be placed in a waterproof plastic bag and placed just under the lid of the cooler. Methodology of shipment, courier name(s), and other pertinent information will be recorded on the Chain-of-Custody Form.
- o If the cooler is equipped with a drain plug, it will be taped shut.

- o The lid will be secured with strapping tape at a minimum of two locations. No labels will be covered.
- o The completed shipping label will be attached to the top of the cooler.
- o "This Side Up" arrow labels will be placed on two sides of the cooler, and "Fragile" labels will be placed on all four sides.
- o Numbered and signed custody seals will be placed on the front right and back left of each cooler. These seals will be covered with clear tape.
- o Samples will be transported by courier in an approved, cooled shipping container, ensuring that the maximum holding times between sample collection and analysis will not be violated.
- o The weight limit of the shipper will be maintained.
- o All records pertaining to the shipment of a sample will be retained (freight bills, post office receipts, and bills of lading).
- o The packaged samples will meet all applicable DOT requirements prior to shipment.



TO _____

PROJECT	
LOCATION	
DATE	JOB NO.
CONTRACTOR	OWNER
WEATHER	TEMP. ° at AM ° at PM
PRESENT AT SITE	

TIME:

MILEAGE:

COPIES TO _____

SIGNED.

FIELD REPORT



WATER SAMPLING REPORT (cont.)

Page _____ of _____
Well No. _____
Job No. _____

F. SAMPLE DESCRIPTION

1. Number of Containers Collected: _____
2. Analysis to be Performed: _____
3. Metal Samples Filtered? Yes _____ No _____
4. Filtration Equipment: _____
5. Preservative added in Field? Yes _____ No _____
6. Preservatives added to bottles? Yes _____ No _____

G. Record of Well Evacuation

Time					
Volume Purged (gallons-cumulative)					
Turbidity L-M-H (subjective)					
Odor (subjective)					
Water Temperature (°c)					
pH (standard units)					
Specific Conductivity (umhos/cm)					



**Westinghouse
Environmental Services**

CHAIN OF CUSTODY RECORD

Branch:

Department:

[illegible]

FIGURE 2



Page _____ of _____
 WELL NO. _____
 JOB NO. _____

WATER SAMPLING REPORT

A. GENERAL

1. Owner _____
2. Sampled By _____
3. Weather _____
4. Location (Sketch on back) _____

B. WATER-LEVEL INFORMATION

1. Date: _____ Time: _____ Description of Measuring Pt. (M.P.) _____
2. Ht. of M.P. above Land Surface _____
3. Elev. of M.P. _____
4. Method of Water Level measurements _____
5. Static Level (ft) _____ below M.P.
6. Elevation _____ MSI

C. EVACUATION PROCEDURE

1. Date: _____
2. Time evacuation started _____; finished _____
3. Method of Evacuation _____
4. Pumping Level (ft) _____ below M.P.
5. Total Well Depth _____ below M.P.
6. Ht. of Water Column (h) _____ ft.
7. Casing Diameter (r) _____ ft.
8. Volume of Water in Well: $(\pi r^2 h) 7.48$ _____
9. Discharge rate: _____
10. Flow Measurement method: _____
11. Volume of Water Evacuated: _____
12. Depth of Intake: _____
13. Decontamination Procedure: _____

D. SAMPLING INFORMATION

1. Previously Sampled? Yes _____ No _____; Date _____ Firm _____
2. Sample Type: Well _____; Stream _____; Impoundment _____; Other _____
3. Date of Sample Collection: _____
4. Time: _____
5. Water Level after Sample: _____
6. Decontamination Procedure: _____
7. Additional Comments: _____

E. FIELD ANALYSES

1. Temperature _____
2. pH: _____
3. DO _____
4. Specific Conductance: Initial _____; Final _____
5. Physical Appearance: _____
6. Additional Observations: _____



c



ANALYTICAL TEST METHODS

ANALYTIKEM, INC.

Analytical Methodology

All analysis are performed in accordance with methodologies found in the following publications:

- Federal Register, Vol. 49, No. 209, October 26, 1984.
- Federal Register, Vol. 51, No. 114, June 13, 1986.
- Test Methods for Evaluating Solid Waste, USEPA, SW-846, Second Edition, July 1982.
- Test Methods for Evaluatin Solid Waste, USEPA, SW-846, Third Edition, November 1986.
- Standard Methods for the Examination of Water and Wastewater, American Public Health Association, 16th Edition, 1985.
- Methods for Chemical Analysis of Water and Wastes, EPA-600/4-79-020, USEPA, March 1983.
- Annual Book of ASTM Standards (1980 and 1983)
- OI Corporation Model 524C TOC Analyzer Manual, January 1983.



METHOD 8080

ORGANOCHLORINE PESTICIDES AND PCBs

1.0 SCOPE AND APPLICATION

1.1 Method 8080 is used to determine the concentration of various organochlorine pesticides and polychlorinated biphenyls (PCBs). Table 1 indicates compounds that may be determined by this method and lists the method detection limit for each compound in reagent water. Table 2 lists the practical quantitation limit (PQL) for other matrices.

2.0 SUMMARY OF METHOD

2.1 Method 8080 provides gas chromatographic conditions for the detection of ppb levels of certain organochlorine pesticides and PCBs. Prior to the use of this method, appropriate sample extraction techniques must be used. Both neat and diluted organic liquids (Method 3580, Waste Dilution) may be analyzed by direct injection. A 2- to 5- μ l sample is injected into a gas chromatograph (GC) using the solvent flush technique, and compounds in the GC effluent are detected by an electron capture detector (ECD) or a halogen-specific detector (HSD).

2.2 The sensitivity of Method 8080 usually depends on the level of interferences rather than on instrumental limitations. If interferences prevent detection of the analytes, Method 8080 may also be performed on samples that have undergone cleanup. Method 3620, Florisil Column Cleanup, by itself or followed by Method 3660, Sulfur Cleanup, may be used to eliminate interferences in the analysis.

3.0 INTERFERENCES

3.1 Refer to Methods 3500 (Section 3.5, in particular), 3600, and 8000.

3.2 Interferences by phthalate esters can pose a major problem in pesticide determinations when using the electron capture detector. These compounds generally appear in the chromatogram as large late-eluting peaks, especially in the 15% and 50% fractions from the Florisil cleanup. Common flexible plastics contain varying amounts of phthalates. These phthalates are easily extracted or leached from such materials during laboratory operations. Cross contamination of clean glassware routinely occurs when plastics are handled during extraction steps, especially when solvent-wetted surfaces are handled. Interferences from phthalates can best be minimized by avoiding contact with any plastic materials. Exhaustive cleanup of reagents and glassware may be required to eliminate background phthalate contamination. The contamination from phthalate esters can be completely eliminated with a microcoulometric or electrolytic conductivity detector.



TABLE 1. GAS CHROMATOGRAPHY OF PESTICIDES AND PCBs^a

Compound	Retention time (min)		Method Detection limit (ug/L)
	Col. 1	Col. 2	
Aldrin	2.40	4.10	0.004
α -BHC	1.35	1.82	0.003
β -BHC	1.90	1.97	0.006
δ -BHC	2.15	2.20	0.009
γ -BHC (Lindane)	1.70	2.13	0.004
Chlordane (technical)	e	e	0.014
4,4'-DDD	7.83	9.08	0.011
4,4'-DDE	5.13	7.15	0.004
4,4'-DDT	9.40	11.75	0.012
Dieldrin	5.45	7.23	0.002
Endosulfan I	4.50	6.20	0.014
Endosulfan II	8.00	8.28	0.004
Endosulfan sulfate	14.22	10.70	0.066
Endrin	6.55	8.10	0.006
Endrin aldehyde	11.82	9.30	0.023
Heptachlor	2.00	3.35	0.003
Heptachlor epoxide	3.50	5.00	0.083
Methoxychlor	18.20	26.60	0.176
Toxaphene	e	e	0.24
PCB-1016	e	e	nd
PCB-1221	e	e	nd
PCB-1232	e	e	nd
PCB-1242	e	e	0.065
PCB-1248	e	e	nd
PCB-1254	e	e	nd
PCB-1260	e	e	nd

^aU.S. EPA. Method 617. Organochloride Pesticides and PCBs.
Environmental Monitoring and Support Laboratory, Cincinnati, Ohio 45268.

e = Multiple peak response.

nd = not determined.



TABLE 2. DETERMINATION OF PRACTICAL QUANTITATION LIMITS (PQL) FOR VARIOUS MATRICES^a

Matrix	Factor ^b
Ground water	10
Low-level soil by sonication with GPC cleanup	670
High-level soil and sludges by sonication	10,000
Non-water miscible waste	100,000

^aSample PQLs are highly matrix-dependent. The PQLs listed herein are provided for guidance and may not always be achievable.

^bPQL = [Method detection limit (Table 1)] X [Factor (Table 2)]. For non-aqueous samples, the factor is on a wet-weight basis.

*MDL = 10 ppb for aqueous
MDL = 330 ppb for non-aq*



4.0 APPARATUS AND MATERIALS

4.1 Gas chromatograph:

4.1.1 Gas Chromatograph: Analytical system complete with gas chromatograph suitable for on-column injections and all required accessories, including detectors, column supplies, recorder, gases, and syringes. A data system for measuring peak heights and/or peak areas is recommended.

4.1.2 Columns:

4.1.2.1 Column 1: Supelcoport (100/120 mesh) coated with 1.5% SP-2250/1.95% SP-2401 packed in a 1.8-m x 4-mm I.D. glass column or equivalent.

4.1.2.2 Column 2: Supelcoport (100/120 mesh) coated with 3% OV-1 in a 1.8-m x 4-mm I.D. glass column or equivalent.

4.1.3 Detectors: Electron capture (ECD) or halogen specific (HSD) (i.e., electrolytic conductivity detector).

4.2 Kuderna-Danish (K-D) apparatus:

4.2.1 Concentrator tube: 10-mL, graduated (Kontes K-570050-1025 or equivalent). Ground-glass stopper is used to prevent evaporation of extracts

4.2.2 Evaporation flask: 500-mL (Kontes K-570001-500 or equivalent). Attach to concentrator tube with springs.

4.2.3 Snyder column: Three-ball macro (Kontes K-503000-0121 or equivalent).

4.2.4 Snyder column: Two-ball micro (Kontes K-569001-0219 or equivalent).

4.3 Boiling chips: Solvent extracted, approximately 10/40 mesh (silicon carbide or equivalent).

4.4 Water bath: Heated, with concentric ring cover, capable of temperature control ($\pm 5^{\circ}\text{C}$). The bath should be used in a hood.

4.5 Volumetric flasks: 10-, 50-, and 100-mL, ground-glass stopper.

4.6 Microsyringe: 10-uL.

4.7 Syringe: 5-mL.

4.8 Vials: Glass, 2-, 10-, and 20-mL capacity with Teflon-lined screw cap.



GAS CHROMATOGRAPHY/MASS SPECTROMETRY FOR VOLATILE ORGANICS

1.0 SCOPE AND APPLICATION

1.1 Method 8240 is used to determine volatile organic compounds in a variety of solid waste matrices. This method is applicable to nearly all types of samples, regardless of water content, including ground water, aqueous sludges, caustic liquors, acid liquors, waste solvents, oily wastes, mousses, tars, fibrous wastes, polymeric emulsions, filter cakes, spent carbons, spent catalysts, soils, and sediments.

1.2 Method 8240 can be used to quantify most volatile organic compounds that have boiling points below 200°C [vapor pressure is approximately equal to mm Hg @ 25°C] and that are insoluble or slightly soluble in water. Volatile water-soluble compounds can be included in this analytical technique, however, for the more soluble compounds, quantitation limits are approximately ten times higher because of poor purging efficiency. The method is also limited to compounds that elute as sharp peaks from a GC column packed with graphitized carbon lightly coated with a carbowax. Such compounds include low-molecular-weight halogenated hydrocarbons, aromatics, ketones, nitriles, acetates, acrylates, ethers, and sulfides. See Table 1 for a list of compounds, retention times, and their characteristic ions that have been evaluated on a purge-and-trap GC/MS system.

1.3 The practical quantitation limit (PQL) of Method 8240 for an individual compound is approximately 5 ug/kg (wet weight) for soil/sediment samples, 0.5 mg/kg (wet weight) for wastes, and 5 ug/L for ground water (see Table 2). PQLs will be proportionately higher for sample extracts and samples that require dilution or reduced sample size to avoid saturation of the detector.

1.4 Method 8240 is based upon a purge-and-trap, gas chromatographic/mass spectrometric (GC/MS) procedure. This method is restricted to use by, or under the supervision of, analysts experienced in the use of purge-and-trap systems and gas chromatograph/mass spectrometers, and skilled in the interpretation of mass spectra and their use as a quantitative tool.

1.5 To increase purging efficiencies of acrylonitrile and acrolein, refer to Methods 5030 and 8030 for proper purge-and-trap conditions.

2.0 SUMMARY OF METHOD

2.1 The volatile compounds are introduced into the gas chromatograph by the purge-and-trap method or by direct injection (in limited applications). The components are separated via the gas chromatograph and detected using a mass spectrometer, which is used to provide both qualitative and quantitative information. The chromatographic conditions, as well as typical mass spectrometer operating parameters, are given.



TABLE 1. RETENTION TIMES AND CHARACTERISTIC IONS FOR VOLATILE COMPOUNDS

Compound	Retention Time (min)	Primary Ion	Secondary Ion(s)
Acetone	--	43	58
Acrolein	--	56	55, 58
Acrylonitrile	--	53	52, 51
Benzene	17.0	78	52, 77
Bromochloromethane (I.S.)	9.3	128	49, 130, 51
Bromodichloromethane	14.3	83	85, 129
4-Bromofluorobenzene (surr.)	28.3	95	174, 176
Bromoform	19.8	173	171, 175, 252
Bromomethane	3.1	94	96, 79
2-Butanone	--	72	57, 43
Carbon disulfide	--	76	78
Carbon tetrachloride	13.7	117	119, 121
Chlorobenzene	24.6	112	114, 77
Chlorobenzene-d ₅ (I.S.)	--	117	82, 119
Chlorodibromomethane	--	129	208, 206
Chloroethane	4.6	64	66, 49
2-Chloroethyl vinyl ether	18.6	63	65, 106
Chloroform	11.4	83	85, 47
Chloromethane	2.3	50	52, 49
Dibromomethane	--	93	174, 95
1,4-Dichloro-2-butane	--	75	53, 89
Dichlorodifluoromethane	--	85	87, 50, 101
1,1-Dichloroethane	--	63	65, 83
1,2-Dichloroethane	10.1	62	64, 98
1,2-Dichloroethane-d ₄ (surr.)	12.1	65	102
1,1-Dichloroethene	9.0	96	61, 98
trans-1,2-Dichloroethene	10.0	96	61, 98
1,2-Dichloropropane	15.7	63	62, 41
cis-1,3-Dichloropropene	15.9	75	77, 39
trans-1,3-Dichloropropene	17.2	75	77, 39
1,4-Difluorobenzene (I.S.)	19.6	114	63, 88
Ethanol	--	31	45, 27, 46
Ethylbenzene	26.4	106	91
Ethyl methacrylate	--	69	41, 39, 99
2-Hexanone	--	43	58, 57, 100
Iodomethane	--	142	127, 141
Methylene chloride	6.4	84	49, 51, 86
4-Methyl-2-pentanone	--	43	58, 100
Styrene	--	104	78, 103
1,1,2,2-Tetrachloroethane	22.1	83	85, 131, 133
Tetrachloroethene	22.2	164	129, 131, 166
Toluene	23.5	92	91, 65
Toluene-d ₈ (surr.)	--	98	70, 100



TABLE 1. - Continued

Compound	Retention - Time (min)	Primary Ion	Secondary Ion(s)
1,1,1-Trichloroethane	13.4	97	99, 117
1,1,2-Trichloroethane	17.2	97	83, 85, 99
Trichloroethene	16.5	130	95, 97, 132
Trichlorofluoromethane	8.3	101	103, 66
1,2,3-Trichloropropane	--	75	110, 77, 61
Vinyl acetate	--	43	86
Vinyl chloride	3.8	62	64, 61
Xylene	--	106	91



TABLE 2. PRACTICAL QUANTITATION LIMITS (PQL) FOR VOLATILE ORGANICS^a

Volatiles	CAS Number	Practical Quantitation Limits ^b	
		Ground water	Low Soil/Sediment
		ug/L	ug/Kg
1. Chloromethane	74-87-3	10	10
2. Bromomethane	74-83-9	10	10
3. Vinyl Chloride	75-01-4	10	10
4. Chloroethane	75-00-3	10	10
5. Methylene Chloride	75-09-2	5	5
6. Acetone	67-64-1	100	100
7. Carbon Disulfide	75-15-0	5	5
8. 1,1-Dichloroethene	75-35-4	5	5
9. 1,1-Dichloroethane	75-35-3	5	5
10. trans-1,2-Dichloroethene	156-60-5	5	5
11. Chloroform	67-66-3	5	5
12. 1,2-Dichloroethane	107-06-2	5	5
13. 2-Butanone	78-93-3	100	100
14. 1,1,1-Trichloroethane	71-55-6	5	5
15. Carbon Tetrachloride	56-23-5	5	5
16. Vinyl Acetate	108-05-4	50	50
17. Bromodichloromethane	75-27-4	5	5
18. 1,1,2,2-Tetrachloroethane	79-34-5	5	5
19. 1,2-Dichloropropane	78-87-5	5	5
20. trans-1,3-Dichloropropene	10061-02-6	5	5
21. Trichloroethene	79-01-6	5	5
22. Dibromochloromethane	124-48-1	5	5
23. 1,1,2-Trichloroethane	79-00-5	5	5
24. Benzene	71-43-2	5	5
25. cis-1,3-Dichloropropene	10061-01-5	5	5
26. 2-Chloroethyl Vinyl Ether	110-75-8	10	10
27. Bromoform	75-25-2	5	5
28. 2-Hexanone	591-78-6	50	50
29. 4-Methyl-2-pentanone	108-10-1	50	50
30. Tetrachloroethene	127-18-4	5	5



TABLE 2. - Continued

Volatiles	CAS Number	Practical Quantitation Limits ^b	
		Ground water	Low Soil/Sediment
		ug/L	ug/Kg
31. Toluene	108-88-3	5	5
32. Chlorobenzene	108-90-7	5	5
33. Ethyl Benzene	100-41-4	5	5
34. Styrene	100-42-5	5	5
35. Total Xylenes		5	5

^aSample PQLs are highly matrix-dependent. The PQLs listed herein are provided for guidance and may not always be achievable. See the following information for further guidance on matrix-dependent PQLs.

^bPQLs listed for soil/sediment are based on wet weight. Normally data is reported on a dry weight basis; therefore, PQLs will be higher, based on the % moisture in each sample.

Other Matrices:

Factor¹

Water miscible liquid waste
High-level soil & sludges
Non-water miscible waste

50
125
500

¹PQL = [PQL for ground water (Table 2)] X [Factor]. For non-aqueous samples, the factor is on a wet-weight basis.



2.2 If the above sample introduction techniques are not applicable, a portion of the sample is dispersed in methanol to dissolve the volatile organic constituents. A portion of the methanolic solution is combined with water in a specially designed purging chamber. It is then analyzed by purge-and-trap GC/MS following the normal water method.

2.3 The purge-and-trap process: An inert gas is bubbled through the solution at ambient temperature, and the volatile components are efficiently transferred from the aqueous phase to the vapor phase. The vapor is swept through a sorbent column where the volatile components are trapped. After purging is completed, the sorbent column is heated and backflushed with inert gas to desorb the components onto a gas chromatographic column. The gas chromatographic column is heated to elute the components, which are detected with a mass spectrometer.

3.0 INTERFERENCES

3.1 Interferences purged or coextracted from the samples will vary considerably from source to source, depending upon the particular sample or extract being tested. The analytical system, however, should be checked to ensure freedom from interferences, under the analysis conditions, by analyzing method blanks.

3.2 Samples can be contaminated by diffusion of volatile organics (particularly methylene chloride and fluorocarbons) through the septum seal into the sample during shipment and storage. A field blank prepared from reagent water and carried through the sampling and handling protocol can serve as a check on such contamination.

3.3 Cross-contamination can occur whenever high-level and low-level samples are analyzed sequentially. Whenever an unusually concentrated sample is analyzed, it should be followed by the analysis of reagent water to check for cross-contamination. The purge-and-trap system may require extensive bake-out and cleaning after a high-level sample.

3.4 The laboratory where volatile analysis is performed should be completely free of solvents.

3.5 Impurities in the purge gas and from organic compounds out-gassing from the plumbing ahead of the trap account for the majority of contamination problems. The analytical system must be demonstrated to be free from contamination under the conditions of the analysis by running laboratory reagent blanks. The use of non-TFE plastic coating, non-TFE thread sealants, or flow controllers with rubber components in the purging device should be avoided.

4.0 APPARATUS AND MATERIALS

4.1 Microsyringes: 10- μ L, 25- μ L, 100- μ L, 250- μ L, 500- μ L, and 1,000 μ L. These syringes should be equipped with a 20-gauge (0.006-in I.D.) needle



PCB WATER METHOD

1. Pipette 10 ml of water into a culture tube.
2. Add 2.0 ml of trimethyl pentane and shake for 1-2 minutes on vortex mixer.
3. Let contents settle and remove an aliquot for analysis.
4. Transfer aliquot to culture tube containing sodium sulfate.
5. Inject 1-2 ul on G.C. with 3% ov-1 column and E.C.D.
6. If further clean-up is needed, add 1g florisisil to Aliquot and shake.
7. Reinject and dilute if necessary.
8. Run an EPA G.C. sample with every ten samples.
 - a. Inject 1 microliter of STD @ 12 ppm.
 - b. Inject 1 ul sample.



PCB SOIL METHOD

1. Weigh 3.0g of soil into a 40ml THM Bottle.
2. Add 30.0ml of Etoac and 5.0g Na₂SO₄ to bottle and shake.
3. Place bottle in Ultrasonic Bath and sonicate for 30 minutes.
4. Let contents settle and remove an aliquot for analysis.
5. Inject 1 - 2 ul on G.C with 3% ob-1 column and E.C.D.
6. If further clean-up is needed, add 1g florisil to Aliquot and shake.
7. Reinject and dilute, if necessary.
8. Run an EPA G.C. sample with every ten samples.
 - a. Inject 1 ul STD @ 12 ppm.
 - b. Inject 1 ul sample.

* CALIBRATION FACTOR = 6





10

SITE SPECIFIC
HEALTH AND SAFETY PLAN

WESTINGHOUSE HAZTECH
SITE-SPECIFIC HEALTH AND SAFETY PLAN

***** The Health and Safety Plan must be reviewed with ALL employees before work begins. Have employees SIGN site plan after it is reviewed.

Westinghouse Eastern
Project Name: Electric Project Number: 2320882016

Site Address: 1132 Seneca St. Site Phone: T.B. When on Site
Buffalo, NY

Lines of Authority

Project Mgr/Operations Mgr: Jim KUJAWA Phone # Site Phone also
Mobile Phone will be on site

Supervisor: Eric Bowman Off Site Phone # 419-389-0150

Site Health & Safety Coordinator: Eric Bowman Alternate: _____

Foreman: Paul Nowak Alternate: _____

Other Personnel:	Functions:	Other Personnel:	Functions
1. _____	_____	7. _____	_____
2. _____	_____	8. _____	_____
3. _____	_____	9. _____	_____
4. _____	_____	10. _____	_____
5. _____	_____	11. _____	_____
6. _____	_____	12. _____	_____

Subcontractor's Company Name: *	Functions:	Contact Person:	Phone Number:
1. _____	_____	_____	_____
2. _____	_____	_____	_____
3. _____	_____	_____	_____
4. _____	_____	_____	_____
5. _____	_____	_____	_____

*Give subcontractors a copy of this plan because by law, they must be told about hazards on the job.

Regulatory agencies involved: EPA _____ Other _____
Job S: Lump sum _____ T&M _____ not to exceed _____ unit rate _____
Other _____

Plans prepared by: Sonya Manejkowski Date: 1/26/89
Position/Title: Ind. Hyg.

Plans reviewed by: Ronald G. Huggins, Ph.D., CIH (#3003) Date: 01-26-89
Position/Title: Director, Environmental and Occupational Health

Amendments prepared by: _____ Date: _____
Position/Title: _____

July 1988



Activities to be Performed

1. Spill clean up _____ Remedial Cleanup ☒ Asbestos _____ Sampling only _____
1st Reconnaissance _____ Other _____
2. Soil: excavation ☒ sampling ☒ drilling _____ other _____
3. Drum: excavation _____ sampling _____ staging _____ bulking _____
of Drums _____ other _____ filling w/sludge & water liquid collection &
4. Well: installation _____ sampling _____ grating decon _____
5. Building: Decontamination _____ Demolition _____
6. Tank: air monitoring _____ sampling _____ cleaning _____ repair _____
removal _____ leak containment _____ demolition/cut up _____ other _____
7. Water Treatment: _____
8. Liquid Treatment: _____
9. Trenching _____
10. Other: 3 parts: 1. Soil excavation at back property line 2. Pumping of material
into drums from pit, then decon of pit; then 3. PCB sampling of soil area and
of pit

Existing Features

tanks _____ tank size _____ # of drums _____ containers _____
buildings _____ dikes _____ power lines _____ sumps _____ bodies of water _____
dips in the land _____ buried lines _____ telephone lines _____ lagoons _____
well installations _____ neighboring homes, businesses ☒ pits _____
unusual hazards Active plant; paint booth/pit to be shut down during cleaning. Unknown
approximate size of site _____
expected duration of cleanup _____ oils also present and perhaps
other substances in sludge

Physical Hazards

Check the hazards which apply to the site:

Heat ☒ Cold _____ Radiation _____ Small entry/exit _____ Confined space semi
Electrical equipment/sparks _____ Scaffolds _____ Trenching _____ Earthquake _____
Oxygen deficiency poss. _____ High winds _____ Slippery ground ☒ Ice outdoors _____
Snake bites outdoor Turbulent weather outdoor Heavy equipment noise ☒ Falls ☒
See General Health and Safety Plan for detailed confined space information.

Medical Surveillance

All HAZTECH field employees are enrolled in the medical monitoring program which includes a minimum of a baseline, annual, and exit physical. For more information see the Medical Monitoring Program. If you are not sure if additional medical tests should be performed, contact OMA or the IHS. If Level C or B and adjusted temps are 82.5°-85° or hotter, oral temperatures must be taken every 60 minutes or more often. [Temp(adj) = ambient temp + (13 x % sunshine)] See general plan for more details.

Will taking oral temperatures and monitoring be necessary? yes _____ no ☒
If yes, order thermometers. Will Steele cool vests be needed? yes _____ no ☒
If no, write in expected temperature maximum 75° indoors 30° outdoors

Contaminants Attention to mild/profound hypothermia necessary - see attachment hypothermia
Please fill out 1 sheet for each significant contaminant using page 4. Use the following references:

Sittig's Handbook of Toxic & Hazardous Chemicals & Carcinogens, NIOSH's Pocket Guide to Chemical Hazards, and ACGIH's TLV's Threshold Limit Values 1987-88, Condensed Chemical Dictionary, and Hazardous Chemicals Data Book.
If MSDS is available, attach.

NA = not applicable DNA = data not available



Site Map

Please label the following on the map:

- | | |
|---------------------------------|--|
| 1. prevailing wind direction | 10. 2 or more escape routes |
| 2. work areas and hot zone | 11. offsite meeting place
(for emergency) |
| 3. decontamination zone | 12. offsite landmarks |
| 4. clean zone | 13. well installations |
| 5. office and/or support | 14. problem containment areas* |
| 6. location of eye wash | 15. topography* (rivers, cliffs, etc.) |
| 7. location of emergency shower | 16. roads/air accessibility* |
| 8. 1st aid area | 17. pathways for hazardous
dispersions* |
| 9. rest areas | |



SUBSTANCE: PCB
Physical state: solid sludge x liq. in container free liq. vapor
on soil residue on wall other
Pre: combust flam pyrophoric shock sensit explos NA
DNA
Incompatibles: strong oxidizers (Cl, O-O's, etc) x water air
strong acids strong bases active metals heavy metals
other
Exposure limits: '87 TLV ppm or mg/m3 "SKIN" yes x no
PEL ppm or mg/m3 IDLH ppm mg/m3
Radioactives: yes no x expected
Warning Properties: corrosive: yes no x weak
Respiratory irritant: yes no x skin irritant: yes x no
odor characteristics mild or none x odor threshold
Skin absorber: yes no

SIGNS AND SYMPTOMS: If ingested, ssx haveX; if inhaled or skin absorbed - 0

<u> </u> Abdominal pain	<u> </u> Diarrhea	<u>x</u> Nausea
<u> </u> Anorexia	<u> </u> Dizziness	<u>x</u> Nervousness
<u> </u> BAD JUDGMENT	<u> </u> Drowsiness	<u> </u> Nose irritation
<u> </u> Blindness	<u>x</u> Excess eye discharge	<u> </u> Numbness
<u> </u> Breathing problems	<u> </u> Eye burns on contact	<u> </u> Pulmonary edema
<u> </u> Chest pain	<u> </u> Eye irritation	<u> </u> Skin burns on contact
<u> </u> Chloracne	<u>x</u> Fatigue	<u>x</u> Skin discoloration
<u> </u> CNS depression	<u> </u> Fever	<u>x</u> Skin edema
<u>x</u> Collapse	<u> </u> Headache	<u> </u> Skin irritation
<u>x</u> Coma	<u> </u> Heart palpitations	<u>x</u> Skin thickening
<u> </u> Confusion	<u> </u> Irritability	<u> </u> Throat irritation
<u> </u> Convulsions	<u>x</u> Jaundice	<u> </u> Tremors
<u> </u> Coughing	<u> </u> Lacrimation (tears)	<u> </u> Vision disturbances
<u>x</u> Dark urine	<u> </u> M&M irritation	<u>x</u> Vomiting
<u>x</u> Death	<u> </u> Motor Incoordination	<u>x</u> Weakness
<u> </u> Dermatitis	<u>x</u> Nail discoloration	

Other Signs/Symptoms: Elevation in liver enzymes; long term exposure may result in liver
damage; chloracne most likely visible sign

Long Term Effects:
Expect carcin x human carcin teratogen mutagen sensitizer NA
Damage to: CNS liver x kidney skin x resp. poss. blood formers possible

FIRST AID: flush eyes w/water x flush skin w/water wash skin x
to clean air x give oxygen x if not breathing, art. respir. x
her

ADDITIONAL INFORMATION:

Specific gravity (air=1): heavier than air lighter than air
Vapor pressure very, very low soluble: water other
Clearance
Reaction w/incompatibles

Reaches to particulates, extremely hard to vaporize at normal ambient temperatures
Reaction w/diesel fuel, inhalation exposure greatest

Index - Signs and symptoms



Diesel fuel

SUBSTANCE:

Physical state: solid ☐ sludge ☐ liq. in container ☒ free liq. ☐ vapor ☒
on soil ☐ residue ☐ other ☐
Fire: combust ☒ flam ☐ pyrophoric ☐ shock sensit ☐ explos ☐
DNA ☐

Incompatibles: strong oxidizers (Cl, O-O's, etc) ☒ water ☐ air ☐
strong acids ☐ strong bases ☐ active metals ☐ heavy metals ☐
other ☐

Exposure limits: '87 TLV ☐ ppm or ☐ mg/m3 "SKIN" yes ☐ no ☐
PEL ☐ ppm or ☐ mg/m3 IDLH ☐ ppm ☐ mg/m3

Radioactives: yes ☐ no ☒ expected ☐

Warning Properties: corrosive: yes ☐ no ☒

Respiratory irritant: yes ☒ no ☐ skin irritant: yes ☒ no ☐

odor characteristics ☐ kerosene odor ☐ odor threshold ☐ odors below allowable limits

Skin absorber: yes ☐ no ☐

SIGNS AND SYMPTOMS:

<input type="checkbox"/> Abdominal pain	<input type="checkbox"/> Diarrhea	<input checked="" type="checkbox"/> Nausea
<input type="checkbox"/> Anorexia	<input checked="" type="checkbox"/> Dizziness	<input type="checkbox"/> Nervousness
<input checked="" type="checkbox"/> BAD JUDGMENT	<input type="checkbox"/> Drowsiness	<input type="checkbox"/> Nose irritation
<input type="checkbox"/> Blindness	<input type="checkbox"/> Excess eye discharge	<input type="checkbox"/> Numbness
<input type="checkbox"/> Breathing problems	<input type="checkbox"/> Eye burns on contact	<input type="checkbox"/> Pulmonary edema
<input checked="" type="checkbox"/> Chest pain	<input checked="" type="checkbox"/> Eye irritation	<input type="checkbox"/> Skin burns on contact
<input type="checkbox"/> Chloracne	<input type="checkbox"/> Fatigue	<input type="checkbox"/> Skin discoloration
<input checked="" type="checkbox"/> CNS depression	<input type="checkbox"/> Fever	<input type="checkbox"/> Skin edema
<input type="checkbox"/> Collapse	<input checked="" type="checkbox"/> Headache	<input type="checkbox"/> Skin irritation
<input type="checkbox"/> Coma	<input type="checkbox"/> Heart palpitations	<input type="checkbox"/> Skin thickening
<input checked="" type="checkbox"/> Confusion	<input type="checkbox"/> Irritability	<input type="checkbox"/> Throat irritation
<input type="checkbox"/> Convulsions	<input type="checkbox"/> Jaundice	<input type="checkbox"/> Tremors
<input type="checkbox"/> Coughing	<input type="checkbox"/> Lacrimation (tears)	<input type="checkbox"/> Vision disturbances
<input type="checkbox"/> Dark urine	<input type="checkbox"/> M&M irritation	<input type="checkbox"/> Vomiting
<input type="checkbox"/> Death	<input type="checkbox"/> Motor Incoordination	<input type="checkbox"/> Weakness
<input checked="" type="checkbox"/> Dermatitis	<input type="checkbox"/> Nail discoloration	

Other Signs/Symptoms: _____

Long Term Effects:

Expect carcin ☐ human carcin ☐ teratogen ☐ mutagen ☐ sensitizer ☐ NA
Damage to: CNS ☒ liver ☐ kidney ☐ skin ☒ resp ☒ blood formers ☐

FIRST AID: flush eyes w/water ☒ flush skin w/water ☐ wash skin ☒
to clean air ☒ give oxygen ☒ if not breathing, art. respir. ☒
her ☐

ADDITIONAL INFORMATION:

Specific gravity (air=1): heavier than air ☐ lighter than air ☐
vapor pressure ☐ soluble: water ☐ other ☐
Appearance ☐
Reaction w/incompatibles ☐
Flammable, if spilled in hot area, flammability danger increases ☐



SUBSTANCE: unidentified oils
Physical state: solid ___ sludge ☒ liq. in container ___ free liq. ___ vapor ___
on soil ___ residue ___ other floating on surface ___
Fire: combust ☒ flam ☒ pyrophoric ___ shock sensit ___ explos ___
DNA ___
Incompatibles: strong oxidizers (Cl, O-0's, etc) ☒ water ___ air ___ no other
strong acids ___ strong bases ___ active metals ___ heavy metals ___ expected
other ___
Exposure limits: NA87 TLV ___ ppm or ___ mg/m3 "SKIN" yes ___ no ___
PEL ___ ppm or 5 mg/m3 (for mineral oil) IDLH ___ ppm ___ mg/m3 steel 10mg/m3
Radioactives: yes ___ no ☒ expected ___
Warning Properties: corrosive: yes ___ no ☒
Respiratory irritant: yes ___ no ☒ skin irritant: yes ☒ no ___
odor characteristics ___ odor threshold ___
Skin absorber: yes ☒ no ___ possible
SIGNS AND SYMPTOMS:

<input type="checkbox"/> Abdominal pain	<input type="checkbox"/> Diarrhea	<input type="checkbox"/> Nausea
<input type="checkbox"/> Anorexia	<input type="checkbox"/> Dizziness	<input type="checkbox"/> Nervousness
<input type="checkbox"/> BAD JUDGMENT	<input type="checkbox"/> Drowsiness	<input type="checkbox"/> Nose irritation
<input type="checkbox"/> Blindness	<input type="checkbox"/> Excess eye discharge	<input type="checkbox"/> Numbness
<input type="checkbox"/> Breathing problems	<input type="checkbox"/> Eye burns on contact	<input type="checkbox"/> Pulmonary edema
<input type="checkbox"/> Chest pain	<input checked="" type="checkbox"/> Eye irritation	<input type="checkbox"/> Skin burns on contact
<input type="checkbox"/> Chloracne	<input type="checkbox"/> Fatigue	<input type="checkbox"/> Skin discoloration
<input checked="" type="checkbox"/> CNS depression possible	<input type="checkbox"/> Fever	<input type="checkbox"/> Skin edema
<input type="checkbox"/> Collapse	<input type="checkbox"/> Headache	<input type="checkbox"/> Skin irritation
<input type="checkbox"/> Coma	<input checked="" type="checkbox"/> Heart palpitations	<input type="checkbox"/> Skin thickening
<input type="checkbox"/> Confusion	<input type="checkbox"/> Irritability	<input type="checkbox"/> Throat irritation
<input type="checkbox"/> convulsions	<input type="checkbox"/> Jaundice	<input type="checkbox"/> Tremors
<input type="checkbox"/> Coughing	<input type="checkbox"/> Lacrimation (tears)	<input type="checkbox"/> Vision disturbances
<input type="checkbox"/> Dark urine	<input type="checkbox"/> M&M irritation	<input type="checkbox"/> Vomiting
<input type="checkbox"/> Death	<input type="checkbox"/> Motor Incoordination	<input type="checkbox"/> Weakness
<input checked="" type="checkbox"/> Dermatitis	<input type="checkbox"/> Nail discoloration	

Other Signs/Symptoms: _____

Long Term Effects:
Suspect carcin ___ human carcin ___ teratogen ___ mutagen ___ sensitizer ___ NA
Damage to: CNS ___ liver ☒ kidney ___ skin ☒ resp ☒ blood formers ___

FIRST AID: flush eyes w/water ☒ flush skin w/water ___ wash skin ☒
Get to clean air ☒ give oxygen ☒ if not breathing, art. respir. ☒
Other _____

ADDITIONAL INFORMATION:
Vapor density (air=1): heavier than air ___ lighter than air ___
Vapor pressure very low soluble: water ___ other ___
Appearance _____
Reaction w/incompatibles _____



SUBSTANCE: Toluene/possibility present, used as representative solvent

Physical state: solid ___ sludge ☒ liq. in container ___ free liq. ___ vapor ___
on soil ___ residue ___ other ___

Fire: combust ___ flam ☒ pyrophoric ___ shock sensit ___ explos ___
DNA ___

Incompatibles: strong oxidizers (Cl, O-O's, etc) ☒ water ___ air ___
strong acids ___ strong bases ___ active metals ___ heavy metals ___
other ___

Exposure limits: '87 TLV 100 ppm or ___ mg/m3 "SKIN" yes ___ no ___
PEL 200 ppm or ___ mg/m3 IDLH 2000 ppm ___ mg/m3

Radioactives: yes ___ no ☒ expected ___

Hazard Properties: corrosive: yes ☒ no ___

Respiratory irritant: yes ☒ no ___ skin irritant: yes ___ no ___
odor characteristics benzene-like ___ odor threshold ___

Skin absorber: yes ☒ no ___

SIGNS AND SYMPTOMS:

<input type="checkbox"/> Abdominal pain	<input type="checkbox"/> Diarrhea	<input checked="" type="checkbox"/> Nausea
<input type="checkbox"/> Anorexia	<input checked="" type="checkbox"/> Dizziness	<input checked="" type="checkbox"/> Nervousness
<input type="checkbox"/> BAD JUDGMENT	<input checked="" type="checkbox"/> Drowsiness	<input checked="" type="checkbox"/> Nose irritation
<input type="checkbox"/> Blindness	<input type="checkbox"/> Excess eye discharge	<input type="checkbox"/> Numbness
<input checked="" type="checkbox"/> Breathing problems	<input type="checkbox"/> Eye burns on contact	<input checked="" type="checkbox"/> Pulmonary edema
<input type="checkbox"/> Chest pain	<input checked="" type="checkbox"/> Eye irritation	<input type="checkbox"/> Skin burns on contact
<input type="checkbox"/> Chloracne	<input checked="" type="checkbox"/> Fatigue	<input type="checkbox"/> Skin discoloration
<input checked="" type="checkbox"/> CNS depression	<input type="checkbox"/> Fever	<input type="checkbox"/> Skin edema
<input type="checkbox"/> Collapse	<input checked="" type="checkbox"/> Headache	<input type="checkbox"/> Skin irritation
<input type="checkbox"/> Coma	<input type="checkbox"/> Heart palpitations	<input type="checkbox"/> Skin thickening
<input checked="" type="checkbox"/> Confusion	<input type="checkbox"/> Irritability	<input type="checkbox"/> Throat irritation
<input type="checkbox"/> Convulsions	<input type="checkbox"/> Jaundice	<input type="checkbox"/> Tremors
<input checked="" type="checkbox"/> Coughing	<input checked="" type="checkbox"/> Lacrimation (tears)	<input type="checkbox"/> Vision disturbances
<input type="checkbox"/> Dark urine	<input checked="" type="checkbox"/> M&M irritation	<input checked="" type="checkbox"/> Vomiting
<input type="checkbox"/> Death	<input type="checkbox"/> Motor Incoordination	<input checked="" type="checkbox"/> Weakness
<input type="checkbox"/> Dermatitis	<input type="checkbox"/> Nail discoloration	

Other Signs/Symptoms: giddiness; dilation of pupils; insomnia; strange sensations on skin,

Avoidance/pain to eyes upon exposure to light (photophobia)

Long Term Effects:

Effect carcin ___ human carcin ___ teratogen ___ mutagen ___ sensitizer ___ NA
Damage to: CNS ___ liver ☒ kidney ☒ skin ☒ resp ☒ blood formers poss.

FIRST AID: flush eyes w/water ☒ flush skin w/water ___ wash skin ☒ eyes ☒
Get to clean air ☒ give oxygen ☒ if not breathing, art. respir. ☒

ADDITIONAL INFORMATION:

Relative density (air=1): heavier than air ___ lighter than air ___
Vapor pressure 22mm Hg (high) soluble: water ___ other ___

Clearance ___
Reaction w/incompatibles ___

Boiling point 40°F



Decontamination

Wooden tools used on skin absorbing contaminants should be discarded. Remember to bag sensitive instruments before use. See the General Health and Safety Plan for possible decon layouts and list of skin absorbers.

Solution(s) to be used: detergent & water _____ Zep _____ Other: _____
Methanol _____ Isopropanol _____ Hexane _____ Radiac _____
Vevry (for oil) _____ Penatone (for PCBs) ☒ Kerosene _____
LiQuinox (good for pumps) _____ Diluted HTH _____ Also pressure washer pit decon

Heavy Equipment: 1. pump 2. remove by hand remainder 3. sample 4. diesel wash
Decon Plan: Waterlaser ☒ pressure wash w/penetone 5. pump remainder 6. sample again
Other: for backhoe removing contaminated soils in back yard

Special Training or Review of Training

According to OSHA's 1910.120, the following items as they apply to the project must be discussed before work begins:

- + Emergency procedures, evacuation routes, prevailing wind direction, signals, location of eye wash, 1st aid equipment
- + Medical assistance (location, maps, phone numbers)
- + The buddy system and its responsibilities
- + Safe work practices for this particular job
- + Symptoms and signs associated with the contaminants
- + Other properties of the contaminants (carcinogenic, flammable, etc.)
- + Confined space (hazards, safe work practices, the buddy system, etc.)
- + Decontamination (solutions, layout, etc.)
- + Appropriate PPE

Please check if these topics are also relevant and consequently need review:
Heat stress _____ Cold stress ☒ Odor thresholds _____ Confined space _____
Usual hazards _____ Handling shock sensitives _____ Drum Handling _____
Other: important to heighten awareness of frostbite, etc for outdoor work. rest/shelter must be made available should be dry and warm & preferably in clean zone.

Air Monitoring

Air Monitoring Equipment Needed:

☒ O₂ meter ☒ Explosimeter ☒
Sample pump ensemble: Dupont or Gillian pumps ☒ Media ☒ Tubing ☒ for PCB's
Passive dosimeters for organic vapors _____ Geiger counter _____
Detector tubes (useful for inorganics) types _____
Confined space: CO _____ H₂S _____

Other: _____



*Remember CONTINUOUS monitoring is necessary for confined spaces.
*** Be sure to calibrate and to attach log with air monitoring data. Send this information to H&S in Atlanta. Periodically contact H&S with results. If initial reconnaissance data is available, please attach results. If another company has air monitoring data, obtain a copy and attach to plan.

AIR MONITORING SCHEME - WRITE IN RESULTS!

Pit area

(CS)

Work Area/Hot Zone outdoors

Explosimeter

b4 entry/continually
within CS

O₂

b4 entry/continually
within CS
especially at 7' end

HNu

b4 entry/continually/
other once every 2 hours as
work progresses in pit

Detector Tubes - NA

CO: b4 entry/1 hr/4 hr/
other _____

H₂S: b4 entry/1 hr/4 hr/
other _____

Other tube type: _____

b4 entry/1 hr/4 hr/
other time _____

Other: _____

b4 entry/1 hr/4 hr/
other time _____

Sample Pumps

daily/T&R/weekly/new act
other _____

Vacuum Canisters or Grab Bag

b4 entry/wkly/new act/
once during work/
other _____

Geiger counter

b4 work/new activity/NA

Explosimeter

b4 work/continually/1/3 hr/1 hr/4 hr/daily/new act

O₂

b4 work/continually/1/3 hr/1 hr/4 hr/daily/new act

HNu

b4 work/continually/1/3 hr/1 hr/4 hr/daily/new act

Detector tubes

Tube type: _____

b4 work/1/4 hr/1/2 hr/1 hr/4 hr/daily/

other: _____

Sample Pumps

Worn by person closest to contamination sources.

Sample for which contaminant? PCB NIOSH steps attached

daily/T&R/weekly/new act/other during diesel wipe down
and, if possible to keep dry,

Vacuum Canisters or Grab Bag during water laser w/penetone wash
b4 work/weekly/new act/once during work/other _____

Geiger Counter

b4 work/new act/daily/opening drums/other _____

Comments: _____

T & R = Tuesdays & Thursdays



Decon

Explosimeter

b4 work/new act/daily
other _____

O₂

b4 work/new act/daily
other _____

HNu

b4 work/new act/daily
other _____

Detector Tubes

Tube types: _____

b4 work/4 hr/new act/daily
Other: _____

Vacuum Canister or Grab Bags

b4 work/weekly/new act/once during work/
Other: _____

Geiger Counter

b4 work/new act/other _____

OTHER INFORMATION: _____

Rest Area

Explosimeter

b4 work/cont/4 hr/new act/NA

O₂

b4 work/cont/4 hr/new act/NA

HNu

b4 work/cont/4 hr/new act/NA

Detector Tubes

Tube types: _____

b4 work/1 hr/4 hr/new act/other _____

Geiger Counter

b4 work/new act/NA/other _____

Other Air Monitoring Comments:



Please remember the protection factor for full face cartridge respirator is 50; for SAR is 2,000; for SCBA is 10,000. Multiply the protection factor x the TLV = maximum amount of contaminant in ppm allowed for that respirator. Exception: Switch to SAR or SCBA when levels are IDLH or when O₂ is 19.5% or less, or if working in confined space.

For example: full face cartridge respirator X TLV Acetic Acid
50 X 10ppm ≤ 500 ppm Acetic Acid
with that respirator.
(IDLH = 1000 ppm)

Hard hats must be worn for all excavation activities.
For when hazards are unknown, Level B protection is required.
In Level C, 2 hoods must be worn, on under respirator straps and one over the straps.
Change cartridges about every 1 hour or less during laser operations. Remind crew that the mist rapidly reduces

EPA Criteria for PPE; Total Organics; FOR UNKNOWNNS:

Level C 0-5ppm total organics above background
Level B 5-500 ppm total organics above background
Level A 500-1000 ppm total organics above background

Indicate the protection level expected to begin the job and what the criteria will be for a change in protection level. effectiveness of cartridge

Personal Protective Equipment

Concentration of Contaminant

Level C ___ ppm to 5 ppm or activities see pg 11

Full face resp. cartridge organic vapor & HEPA filter
Protective clothing: Tyvek ☒ Other: splash wear for wet work
Hood: 2 Tyvek ☒ 2 Other: _____
Inside glove: Sample ☒ Other: cotton gloves for all-dry work
Outside glove: PVC _____ Other: _____
Footwear: Tingley (neoprene) ☒ steel toe ☒ other _____
Face Shield: ☒ Hard hat: ☒
Other: _____

Level B ___ ppm to ___ ppm or activities if HNu reading greater than 5ppm background

SCBA _____ SAR ☒
Protective clothing: Tyvek ☒ Chemrel _____ acid suit (PVC) for wet work
Other: chemtuff ok
Hood: Tyvek _____ Acid Suit _____ Other: _____
Inside glove: Sample ☒ Other: _____
Outside glove: PVC ☒ Other: _____
Footwear: Tingley(neoprene) ☒ steel toe ☒ other _____
Face Shield: _____ Hard hat: ☒
Other: _____

Level A ___ ppm to ___ ppm or activities

SCBA _____
Encapsulating Suit _____
Plus what items _____
Other: _____

n-flammable suits _____



<u>LOCATION</u>	<u>Task</u>	<u>LEVEL OF PROTECTION</u>	<u>RISK ANALYSIS:</u>	<u>(Prpbability Of)</u>			
			<u>Fire</u>	<u>Heat Stress</u>	<u>Injury Illness</u>	<u>Back Injury</u>	
Hot Zone	visqueen/hose/pump set up	A B C D Other	low	low	low-mod	moderate	
	pumping	A B C D Other	low-mod	very low	low	low	
	drum moving	A B C D Other gripping gloves	low	empty/full	mod	mod	
	pit sampling	A B C D Other	low	low / mod	low	low	
	diesel wiping	A B C D Other level depends on HNu readings	low-mod	low	low	low-mod	
	penatone pressure wash	A B C D Other	low	mod	mod	mod-high	
	pumping again, if necessary	A B C D Other	low	low	low	low	
	2nd pit sampling	A B C D Other D+	low	low	low	low	
	backhoe operation	A B C D Other	low-mod	low	low	low	
	roll off covering	A B C D Other	low	low	mod	mod	
	sampling dirt after removal activity	A B C D Other D+	low	low	low	low	
Decon Zone	decon equipment	A B C D Other D+					
	decon of personnel	A B C D Other					
	decon of heavy equipment	A B C D Other D+					



Communication Procedures

Radio/Horn Blast/Siren/Other: _____ is the emergency signal to indicate that all personnel should leave the Exclusion Zone.

Hand Signals:

Hands on top of head = Need work assistance
 Hands around neck = Out of air, can't breathe
 Hands in U shape = In trouble or out of air
 Grip partner's wrist/
 hands around waist = Leave area immediately
 Thumbs up = Ok, I am all right, I understand Thumbs down = No, negative
 Blasts: 1 long horn blast = Evacuate 1 short blast = Attention
 2 blasts---Fire

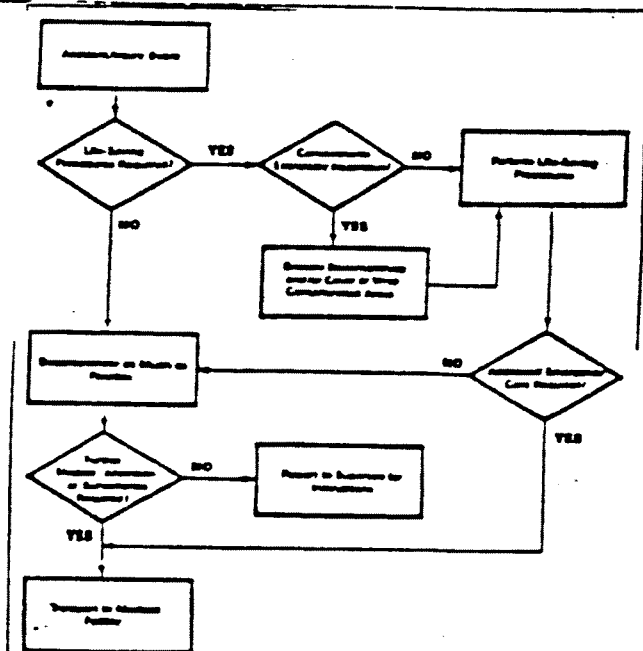
Emergency Equipment: eyewash X shower _____ lifeline _____ harness _____ SCBA _____
 stretchers _____ emergency oxygen X first aid kit X PPE for the next level
 of protection _____ radios _____ telephones onsite _____ airhorns X

Fire Extinguishers: A,B,C (Multiple purpose) X
 A (ordinary materials) _____ B (flammables and grease) _____
 C (electrical equipment) _____ D (combustible metals e.g. Mg, Na, K) _____

Other: _____

MEDICAL EMERGENCY & HEAT STRESS (NEW GENERAL PRIORITIES)

1. Survey Situation.
2. Call for help & EMT's.
Decide: rescue in 1 level higher or SCBA.
3. Rapidly survey victim and area for clues. Look for chem releases.
4. Do chin lift to open airway; watch or feel for chest rise and fall for 5+ seconds. No breathing = brain damage in 3 minutes.
5. If no breathing, move from area; perform artificial respiration - 2 full breaths and check pulse. If no, 1 breath every 5 seconds for 1 minute. If no pulse, do CPR if qualified, or call out for CPR & continue artificial respiration.
6. If breathing, move to decon.
Chin lift! Keep airway open.
If contaminants are life-threatening, do cursory decon. If not, CUT OUT of PPE!! Look for contamination.
If fire burns - roll on dirt or use blanket. Stop clothing from smouldering. Use STERILE solution if no sterile sheet. Cut off clothing except areas stuck to skin. AIRLIFT.



11. Speedily FLUSH contaminated eyes or skin for 15+ minutes.
12. If shock, put nothing in mouth; calm.
13. For heat/stress and no shock, give cool water, keep cool.
14. Never use ice nor buckets of water.
15. Sponge or wrap in wet sheet for stress but not thermal burns.
16. Do chin lift, recheck breathing
17. Do not hesitate to use _____ t.



Emergency Contacts

Post at Site, in many locations. Post map in vehicles likely to be used during an emergency.

1. EMT's Phone # 911 911 Available/Not Available in this area

2. Hospital: Phone # 716-826-7000 Travel Time _____

Name S. Buffalo Meruv Address 565 Abbott Rd.

Map:

Written Directions:

(To be completed AFTER MOBILIZING CREWS TO JOBSITE BUT BEFORE WORK BEGINS)

Fire Phone # emergency 856-5111

4. Police Phone # 911
non-emergency 851-4444

Poison Center Phone # 878-7654

HAZMAT Phone # 877-5533

Status & capabilities to aid in an emergency 24 hrs available; consultants and cleanup work

**Medical Toxicology Consultants (813) 253-2787, (813) 253-4444

Drs. Gaar and Hillman

TECH, (404) 981-9338 - 24 hour emergency

Atlanta (404) 981-9332, (404) 593-3803, (404) 593-3464

Tampa (813) 988-5650, New Jersey (609) 298-8705

Toledo (419) 882-3306, Boston (617) 353-6492

hemtrex (24 hrs) (800) 424-9300

Bureau of Explosives (24 hrs) (202) 293-4048

National Response Center (NRC) (800) 424-8802

**Occupational Medicine Associates (OMA) (404) 449-9014, 455-7008

Dr. Henderson, Syfried, Prader

After 4:30 p.m., (404) 529-9117



CONFINED SPACE ENTRY PERMIT
ALL CONFINED SPACE ENTRY IS DONE IN SAR OR SCBA

Location of Work: _____
Description of Work: _____
Employees Assigned: _____
Entry Date: _____ Entry Time: _____
Subcontractors: _____
Job Duration: _____

HAZARDS:

Flammables - Yes/No/NA Types _____
Toxics - Yes/No/NA Types _____
Sparks - Yes/No/NA Overtime, airdriven tools will collect static
electricity and spark
Spills - Yes/No/NA
Heat Strees - Yes/No/NA
Hot Equipment - Yes/No/NA
Shearing Tank - Yes/No/NA
Pressure Systems - Yes/No/NA
Cutting Up Tank - Yes/No/NA
Incompatible Reactions - Yes/No/NA
Noise Amplification - Yes/No/NA
Partner Saw Sparks - Yes/No/NA
More than one (1) foot of liquid inside space - Yes/No/NA

ISOLATION CHECKLIST:

LOCKOUT procedures are required at HAZTECH; tagging system is not sufficient.

Electrical Lockout	Yes/No/NA	Draining	Yes/No/NA
Mechanical Lockout	Yes/No/NA	Tagout	Yes/No/NA
Pipe, Line or Valve Disconnecting	Yes/No/NA		
Pile, Line or Value Blanking	Yes/No/NA		
Other:	_____		

ENGINEERING CONTROLS:

Forced ventilation _____
Purging _____ With what gas? _____
Filling to overflow three (3) times with water - Yes/No/NA
Do not hook up diesel exhaust because Carbon Monoxide (CO) is a flammable gas.
Other: _____

CLEANING:

Chemical used _____
Is it compatible with material of container? Yes/No/NA
Is it compatible with substance in container? Yes/No/NA
Steam Clean - Yes/No/NA Water laser - Yes/No/NA
If yes, tank must be cool before entry.



prior to persons entering 5-7' pit to remove
remaindes of material after pumping

CONFINED SPACE ENTRY PERMIT
Page 2

AIR MONITORING/TESTING

Monitor breathing zone, high overhead, near hips/knees, and at the floor (many flammable gases are heavier or lighter than air). Test different levels; if levels are >10%, proceed with further testing, five minutes apart to be certain.

For atmospheres less than 20% of the LEL, use non-sparking tools.

If LEL is greater than 20%, or if oxygen levels are greater than 21.5% (normal=20.9), entry is FORBIDDEN until engineering controls are used to alter the atmosphere. If LEL is between 10% and 20%, altering the atmosphere is wise because conditions may change.

CONTINUOUS monitoring inside the space is critical.

OXYGEN METER

	b4 entry 1st	2nd	3rd	some values during work
overhead	_____	_____	_____	_____
breathing zone	_____	_____	_____	_____
hips/ knees	_____	_____	_____	
floor	_____	_____	_____	

EXPLOSIMETER

	b4 entry 1st	2nd	3rd	some values during work
overhead	_____	_____	_____	_____
breathing zone	_____	_____	_____	_____
hips/ knees	_____	_____	_____	
floor	_____	_____	_____	

Tests Performed By: _____

Signature

Time

Date



CONFINED SPACE ENTRY PERMIT
Page 3

STANDBY/RESCUE: (Phone No. for paramedics: _____)

Yes ☐ No ☐

Will there be a standby person on the outside in constant visual or auditory communication with the person on the inside?

☐ ☐

Name (Person trained in CPR).

☐ ☐

Will the standby person be able to see and/or hear the person inside at all times?

☐ ☐

Has the standby person(s) been trained in rescue procedures?

☐ ☐

Will safety lines and harness be required to remove a person?

☐ ☐

Hoist needed?

☐ ☐

Are you familiar with emergency rescue procedures?

☐ ☐

Do you know who to notify and how in the event of an emergency?

☐ ☐

SCBA or SAR Worn?

☐ ☐

Rescuer in SCBA ready?

☐ ☐

Communication signals reviewed?

Supervisor's Authorization for Entry:

Employees Signatures:

Time _____

Date _____



FILE COPY

John Elmore, Attorney General's Office
Tom Johnson, DEE, Buffalo *TJ*
Analytical Results from Eastern Electric

August 18, 1988

On August 12, 1988 our office received the analytical results for the samples taken at Eastern Electric Co. on 5/19/88. Six samples were taken consisting of sludge from a pile at the N.E. corner of the property and water and sludge from the steam cleaning pit inside. The results of the analyses are as follows:

Sludge Pile Sample: Four samples of the sludge pile were taken. All of the samples were analyzed for PCB's while only one was tested for volatile organics. The results confirmed that all samples contained >50 PPM PCB's which makes the sludge a hazardous waste. The volatile organics found were at low percentage levels. The oil and grease analyses also confirmed percentage levels of these substances.

Steam Cleaning Pit: Water and sludge samples were taken from the steam cleaning pit inside of the company. PCB's and volatile organics analyses were done on both samples. The sludge sample had PCB concentrations over the hazardous waste level while the water had trace amounts. The sludge also contained levels of oil and grease equal to the sludge sampled outside. The volatile organics found in the sludge were at levels lower than the outside sludge.

The specific gravity of the outside sludge samples was taken for purposes of gaining an approximate weight of sludge.

Average Specific Gravity = 1.90
Approximate Area Ft^3 = 236 Ft^3

$$\begin{array}{rcll} \text{Area } \text{Ft}^3 & \times & \frac{62.4 \text{ lb.}}{\text{Ft}^3} & \times \text{ Specific Gravity} = \text{lbs.} \\ 236 & \times & 62.4 & \times 1.90 = 27,980 \text{ lbs.} \\ & & & = \text{approximately 14 tons} \end{array}$$

TJ/mf

cc: Joe Ryan

Sample Parameter (PPM)	Sludge in Pile #01	Sludge in Pile #02	Sludge in Pile #03	Sludge in Pile #04	Water in Tank #05	Sludge in Tank #06
1,1-Dichloroethane	1,200 (670)	↑	↑	↑	.005 (0.008)	(0.075)
1,1,1-Trichloroethane	780 (520)	↑	↑	↑	.004 J (0.007)	
Tetrachloroethene	230 J (160)	no analysis for volatiles			(<0.005)	(<0.005)
Toluene	99 J (86)					(12)
Ethylbenzene	2,800 (1,500)	↓	↓	↓	.007 (0.013)	250 (0.710)
Total Xylenes	16,000 (8,700)	↓	↓	↓	.027 (0.038)	1,200 (3)
Aroclor - 1242	42	47	86	77	.0063	51 (46)
Aroclor - 1254	57 (41)	53 (43)	120 (54)	79 (33)	.0021	26
Aroclor - 1260	37	36	63	55	.00009 J	21
Aroclor - 1248	24	32	42	28		
Total PCB's (PPM)	136	136	269	211	.00839	98
Oil & Grease	178,000 (110,000)	239,000 (120,000)	320,000 (130,000)	224,000 (100,000)		221,000 (93,000)
Specific Gravity	1.93	1.90	1.84	1.87		
methylene chloride	1000 B (310)				0.018 B (<0.005)	30 B (0.007)
TJ/mf 8/19/88 acetone	42 B				0.042 B (0.067)	18 B (1.000)
Trans-1,2-dichloroethane						0.006
Chloroform						
2-butanone	1400 B				0.016 B (0.038)	64 B (0.16)
Trichloroethene						(<0.005)
benzene						(<0.005)
4 methyl-2-pentanone					0.002 B	(0.092)

— Ecology and Environment data in (Brackets)

FILE COPY

Joe Ryan
Tom Johnson *VS*
Sampling at Eastern Electric Co.

June 6, 1988

1.) On May 19, 1988 Joe Sciascia and I met Attorney General Investigator Tim Cogolin at the Eastern Electric Co. located at 1132 Seneca Street, Buffalo, NY. The purpose of our visit was to sample a sludge pile behind the facility and sample a steam clean pit located inside of the company. The sludge pile, located at the northeast edge of property, was placed there by the Westinghouse Electric Corp. which was the previous owner of the property.

Upon arrival to the sampling site we met Eastern Electric Co. representatives Ed Crumback, Jerry Dysler and Pete Konita, the firm's attorney. They were present to view and photograph our sampling. Width and length measurements of the sludge pile were recorded at various points for determination of areal pile size. Hand augered cores were also taken to determine the depth of the sludge. This information is recorded on the attached sketch.

2.) HNU readings were taken in the bore holes where sludge thickness was taken. High readings were recorded in certain areas of the pile. Lower layers of the sludge were concentrated with liquids which caused a sheen on the sludge when compacted.

3.) Samples were taken at four random points in the pile. Information on the sampling measurements is on an attached chart. PCB's, oil and grease, and volatile organics will be analyzed for on these samples.

4.) Inside sampling of the steam clean pit was our last area of concern. A grate of the floor was taken out for ease of sampling. A wheaton sampler was used to lower the sample bottle into the water. The cap of the bottle was taken off at the bottom of the pit for collection of bottom layer of water.

The sludge from the pit was collected with a ponar dredge. The sludge had an odor of petroleum and was approximately 10" thick. PCB's and volatile organics analysis will be run on the water and sludge and an additional oil and grease test will be run on the sludge.

5.) The equipment used for sample collection was cleaned on site or disposed of if non-reuseable. The samples were stored and sent to the laboratory the following day.

6.) Duplicate samples were provided Eastern Electric Co. at their request. They provided some containers and we provided others - 40 ML septum and 1/2 gallon glass jug.

7.) Estimate volume of sludge to refusal of hand auger.

Average depth	= 14.3"	
Approximate Area	= 11' x 18' = 198 ft ²	
Approximate Volume	= 14.3"	
	$\frac{12''}{ft} \times 198 \text{ ft}^2 = 236 \text{ ft}^3$	
	or	
	1730 gal.	
	or	
	31 drums	

TJ/mf

Attachments

cc: A.A.G John Elmore

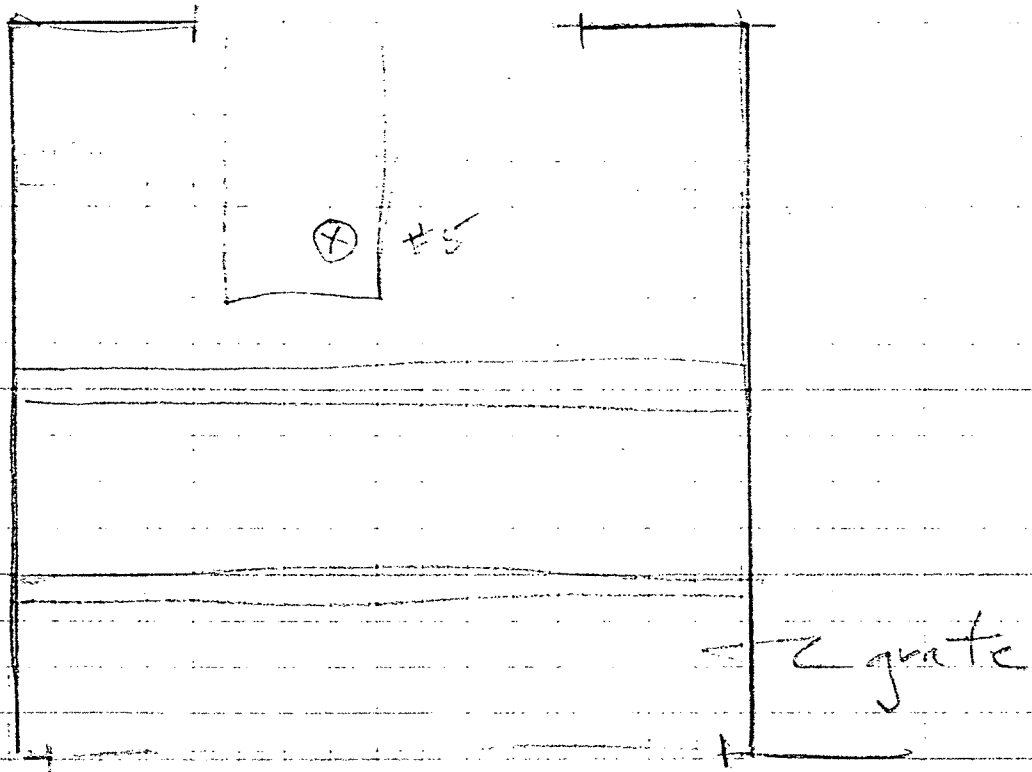
SLUDGE PILE

<u>Sample</u>	<u>Depth</u>	<u>Time</u>	<u>Sample Sizes</u>
#1	6-10"	2:25 pm	2 - 500 ML 2 - 40 ML + splits
#2	6-10"	2:35 pm	2 - 500 ML + splits
#3	6-10"	2:45 pm	2 - 500 ML + split
#4	2-4"	2:50 pm	2 - 500 ML + split

STEAM PIT

#5	18"	3:40 pm	1 L water 1 vial water splits
#6	Bottom sludge	3:50 pm	2 - 500 ML 1 vial splits

West Wall



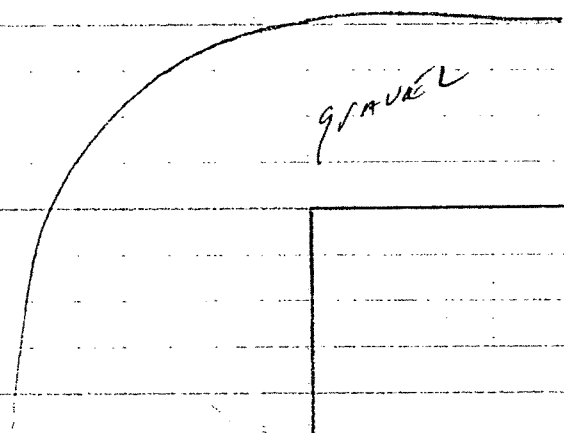
cleaning Electrical Equip.
- room

Eastern Electric

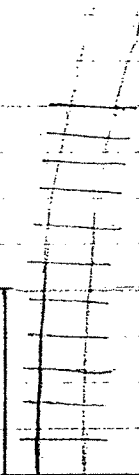
Station Area

5/19/88

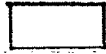
Sludge
Pile



GRAVEL



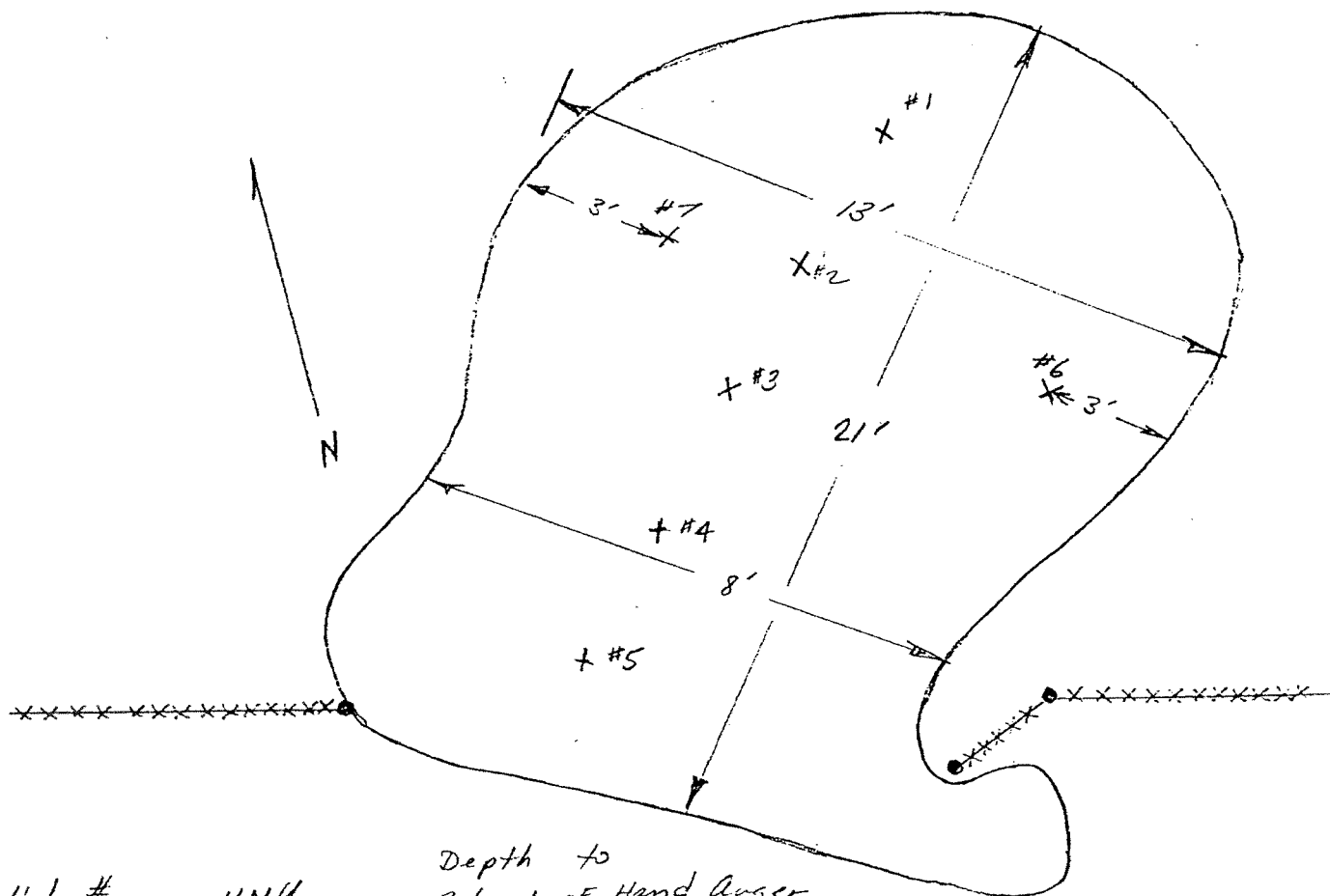
STEAM
PIT



EASTERN
ELECTRIC

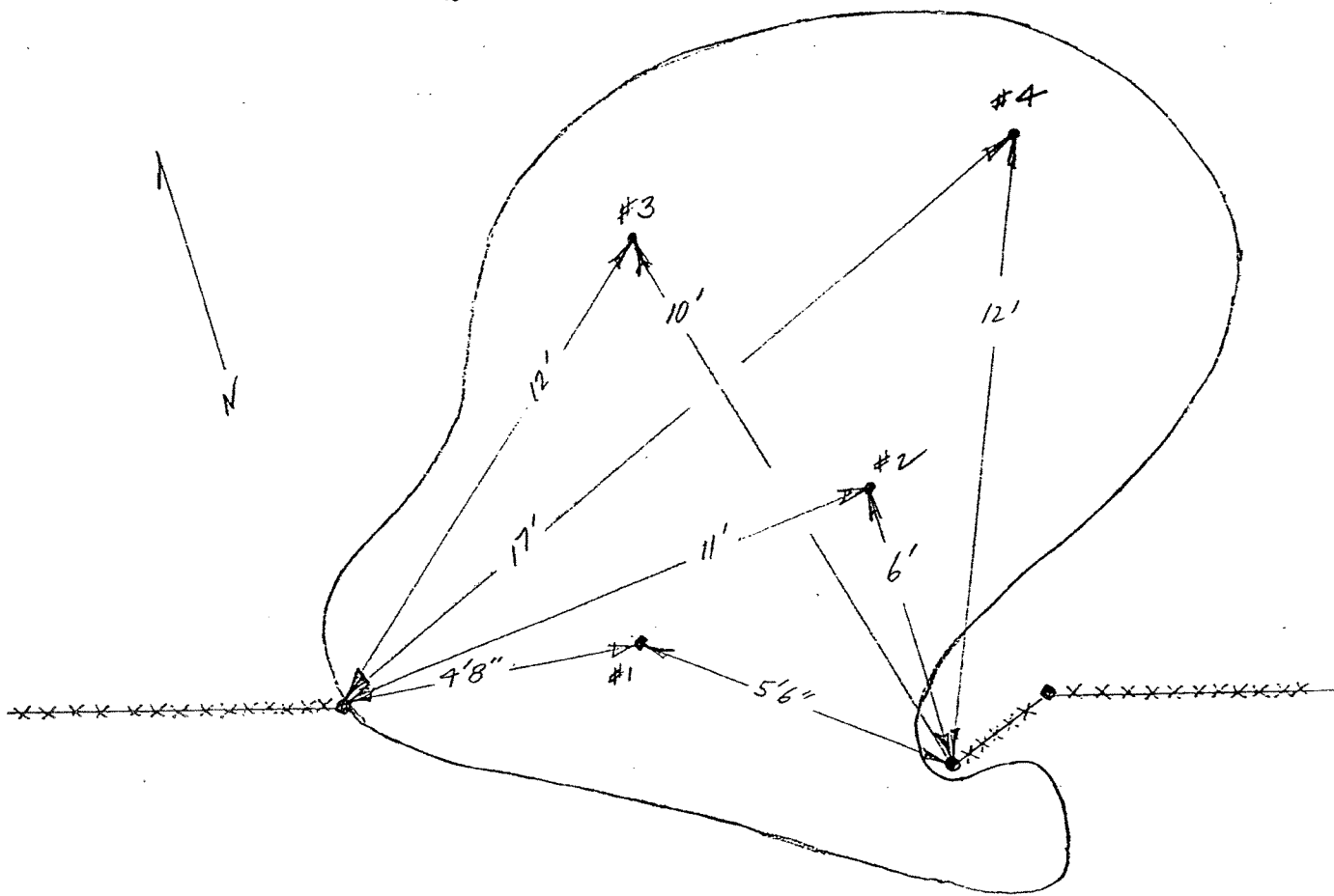
SENeca ST.

Eastern Electric
5/19/88
T. Johnson



Hole #	HNU	Depth to Refusal of Hand Auger	
1	20	7"	all sludge
2	60	13"	"
3	70	25"	"
4	100	18"	"
5	150	18"	"
6	60	6"	"
7	40	13"	"
		$\bar{x} = 14.3"$	

Eastern Electric
Sludge Core Hole Locations
5/19/88
E. J. Sciarscia

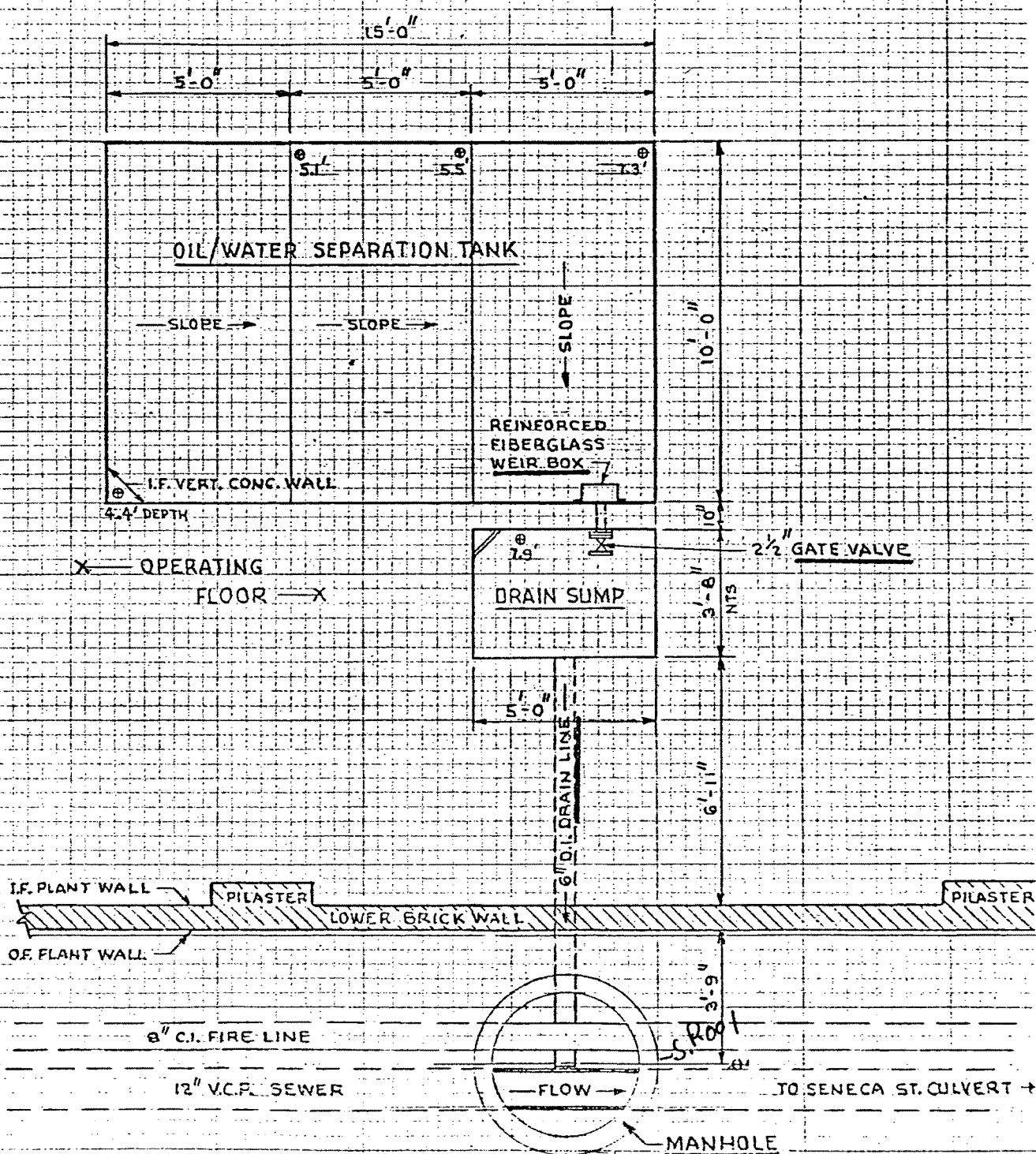


Eastern Electric
Sludge Sample Locations

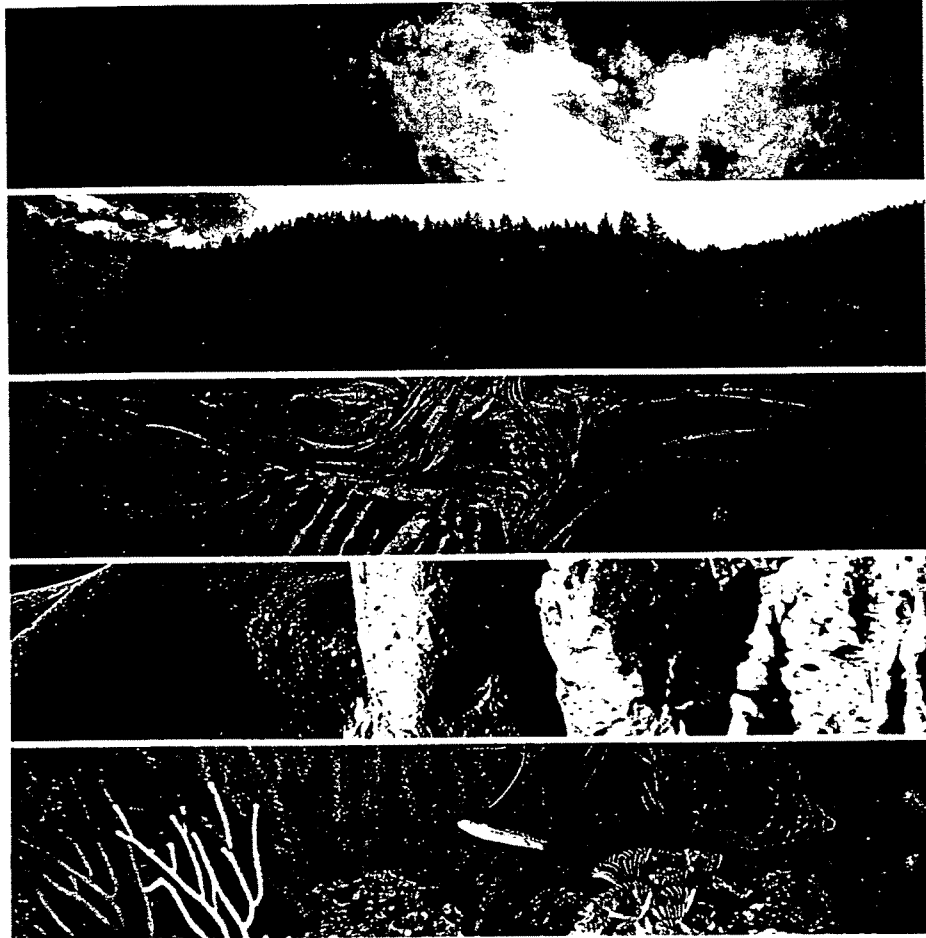
5/19/88

E. J. Sciascia

Not to Scale



915000-16



**REPORT
SPRAY BOOTH DECONTAMINATION
AND SEWER EVALUATION
EASTERN ELECTRIC FACILITY
BUFFALO, NEW YORK**

FOR

WESTINGHOUSE ELECTRIC CORPORATION

DAMES & MOORE

Sent to Marie Grable

9/95

÷ 2/96.

- mld

RECEIVED

NOV 20 1991

N.Y.S. DEPT. OF
ENVIRONMENTAL CONSERVATION
DIV. ENVIRONMENTAL ENFORCEMENT
BUFFALO FIELD UNIT

October 16, 1991

REPORT

REMOVAL OF CONTAMINATED SOIL
EASTERN ELECTRIC FACILITY
BUFFALO, NEW YORK

FOR

WESTINGHOUSE ELECTRIC CORPORATION

 **DAMES & MOORE**

3065 Southwestern Blvd., Suite 202
Orchard Park, New York

REPORT
REMOVAL OF CONTAMINATED SOIL
WESTINGHOUSE ELECTRIC CORPORATION
EASTERN ELECTRIC APPARATUS FACILITY
BUFFALO, NEW YORK

1.0 INTRODUCTION

This report summarizes contaminated soil removal operations at the Eastern Electric Apparatus Facility, 1132 Seneca Street, Buffalo, New York. The report and the work upon which it is based were performed under the responsible charge of Mr. Robert R. Blickwedehl, P.E. (State of New York), in accordance with Section 9.0 of the Work Plan "Certification of New York P.E. Engineer." The report is prepared pursuant to Amendment 1 to the Remediation Work Plan for the above referenced site, dated January 15, 1990. The report includes a certification that this portion of the work was done in accordance with Westinghouse Electric Corporation's prescribed Work Plan dated August 30, 1989.

Soil removal was one of two components of the limited remediation effort at the Eastern Electric Site. The other component involved decontamination of a spray pit. This activity is documented in Dames & Moore's report dated October 16, 1991, and entitled Spray Booth Area Decontamination and Sewer Evaluation.

Dames & Moore provided overall project management support for the soil removal project. The onsite observation was performed by Mr. J. Britt Quinby, Project Civil Engineer, under the responsible charge of Mr. Blickwedehl. Mr. Quinby and Mr. Blickwedehl also provided technical consultation during discussions and meetings with Mr. Thomas D. Johnson and Mr. E. Joseph Sciasca, P.E., of the NYSDEC. Copies of the curriculum Vitae for Messrs Quinby and Blickwedehl are included in Appendix D of this report.

Contaminated soil removal was performed in three phases. The first phase was performed in November of 1989, the second phase was in June, 1990, and the third in October 1990. Westinghouse Environmental & Geotechnical Services, Inc. (WEGS) of Toledo, Ohio performed the excavation and remedial work for the first phase, Buffalo Drilling, Inc. of Buffalo, New York performed drilling and sampling during Phase II, and Environmental Products and Services, Inc. of Buffalo, New York performed the soil removal of Phase III. Buffalo Drilling and Environmental Products and Services were subcontractors to Dames & Moore.

The technical content of the report is divided into six sections as follows:

1. A description of soil removal activities;
2. A summary of the quantities of soil removed and disposed of;
3. Photocopies of manifest and disposal documents;
4. A sketch showing soil sample locations;
5. Laboratory analysis of soil samples along with SW 846 Section 1.5 QA/QC reportables and deliverables package; and
6. Certification that the work was done in accordance with the approved work plan.

2.0 DESCRIPTION OF SOIL REMOVAL ACTIVITIES

The soil removal activities consisted of the removal of two piles of contaminated sludge, (referred to as pile #1 and pile #2), and the effected soil below and around them. The piles were located on the North East corner of the facility property and encompassed an area approximately 40 feet square, (reference Figure 1 and 2 in Appendix B).

2.1 PHASE I

On Friday, November 17, 1989, the area surrounding Pile #1 and #2 was separated into a Hot Zone, Support Zone and decontamination area for exit/entry. The Hot Zone encompassed Pile #1, Pile #2 and an area sufficiently large enough to contain the trackhoe and two 25-cubic yard roll-off boxes. A decontamination area and Support Zone was established just to the south of the site prior to the edge of the gravel parking lot.

Two sides of the newer chain link fence (the Southern and Western sides) and approximately 50 feet of the old chain link fence were temporarily removed. The trackhoe was then placed in the north-west corner of the area with the roll-off boxes to the south and to the west of Pile #1. This enabled the trackhoe to excavate contaminated soil and transfer it to roll-off boxes while being positioned in a "clean" area.

Prior to excavation the NYSDEC was notified. Mr. Johnson of the NYSDEC was on site during the excavation activities.

The trackhoe excavated Pile #2 first, then Pile #1. The contents of piles plus 6 to 8 inches of subsoil were removed. The horizontal excavation limits extended 4 to 8 feet out from each pile. One 25 c.y. rolloff box, lined with visqueen, was filled.

During excavation, water or saturated soil was encountered approximately 12 to 18 inches below the ground surface. This limited the depth of the excavation in accordance with the terms of the work plan which did not contain provisions to handle a wet excavation and the risk of potential spread of contamination. Therefore, nine (9) post excavation soil samples were taken above these saturated conditions at several locations as shown on Figure 1.0 in Appendix B of this report.

The samples were collected in accordance with the procedures outlined in Appendix B of the Work Plan. It was the intent of the field crew to do a headspace screening of each sample for volatile organics five minutes after the samples were collected, but due to a malfunctioning OVA, this was not possible. A field judgement was made by Mr. Quinby, and Messrs. Bowman and Alliman of WECS, to forward the samples to NUS without doing the headspace screening. This was based on the premise that even if the OVA readings were above the 10 ppm limit, further excavation would not be possible during this project phase due to the presence of water.

The samples were packaged and delivered by Mr. Alliman to NUS in Pittsburgh, Pennsylvania the next morning.

When excavation and sampling activities were completed for the day, both Pile #1 and Pile #2 excavated areas were covered with visqueen and the rolloff boxes covered and secured.

On Sunday the 19th, contaminated soil was transferred from the full rolloff box to a second empty rolloff. Bulk waste (visqueen and disposable personnel protective equipment) generated from the spray booth pit cleaning was also placed in the second rolloff. Both rolloff's were then covered and secured.

On Monday, November 20th the Westinghouse crew constructed a decontamination pad out of Hypalon which was elevated at the edges by an earthen berm. A high pressure water rinse was used to clean the entire trackhoe, including the under carriage, of all soil, sludge, and dust. The bucket of the trackhoe was the only part of the equipment that came into contact with PCB contaminated material. It was wiped clean with penetone prior to water rinsing. Rinse and wash water were collected on the decon pad and placed into 55 gallon drums.

That afternoon NUS called with the PCB and total volatile organic sample results from the first round of samples collected the previous Friday (see Table 1.0 for a summary of the results and Appendix C for a copy of the Lab Report and QA/QC package). Two sample locations showed results of PCB concentrations lower

than 1 ppm - #5 and #9. Also, except for 1,1-dichloroethane found in samples #2 and #7, the sample results for the volatile organics were under the 1 ppm target level.

Since the concentrations of PCB's in soil samples #2, #3, #4, #6, #7, #8 and #10 were all above 1 ppm, further excavation in these areas was needed. Mr. Joseph Sciasca of the NYSDEC was on site shortly after the sample results were available. A site meeting was held between Mr. Sciasca, Mr. Bowman of WEGS, and Mssr's Quinby and Blickwedehl of Dames & Moore to determine how to proceed with the work under conditions involving saturated soil.

Mr. Sciasca suggested that the excavations continue under these "wet" conditions. He proposed that the confirmation samples of the soil under the piles be obtained using a core sampler. However, because this is below the water table, and would constitute a significant change from the original work plan, and since there was a possibility of contaminating clean underlying soil with water in the excavation and/or sampling holes, the determination was made to remove soil to only the depth that was at or close to saturated conditions. Therefore, WEGS used shovels to remove an additional 2 to 3 inches of soil within the excavated areas.

That afternoon, November 21, 1989, a second round of soil sampling was performed (see Figure 1.0). The samples were again collected in accordance with Appendix B of the Work Plan. These samples were screened via a headspace measurement with an OVA. The results of this screening can be found in Table 2.0 provided at the end of this report. The samples were then packaged and shipped to NUS for analysis.

The contaminated soil area was then covered with visqueen, hazard tape was placed around the area, and a snow fence was erected to serve as a temporary barrier until the project could be completed. The same day WEGS completed their demobilization activities and left the site. No further work could be done until the receipt of the second round of soil sample results.

The second round of sample results were available the week of December 16, 1989. Original sample point locations #2, #3, #4, #6, #7, #8, and #10 had been resampled and were relabeled #2P, #3P, #4P, #6P, #7P, #8P, and #10P respectively. The results are summarized in Table 1.0 and a copy of the Lab Report and QA/QC package can be found in Appendix C.

The concentrations of PCB's and the volatile organics in the second round of sampling did not meet the target clean up levels as outlined in the Work Plan. The concentrations of PCB's ranged from less than 2 ppm to 64 ppm, and the concentrations for some of the volatile organics were above the 1 ppm target level.

2.2 PHASE II

Since the confirmation soil sample results from the second round of sampling did not meet the target clean up levels as outlined in the Work Plan, and groundwater was encountered near the resultant surface of the excavated area, Amendment 1 to the Remediation Work Plan dated January 15, 1990 was developed by Dames & Moore. This amendment addressed procedures to be used in characterizing the depth to which contamination had penetrated the soil, (Phase II), and excavation of soil under saturated conditions, (Phase III). The plan was submitted to the NYSDEC on January 17, 1990 and subsequently approved on January 30, 1990.

On Monday, June 11, 1990, Buffalo Drilling Company, Inc., of Buffalo, New York, working under the direction of Dames & Moore, mobilized a track mounted drill rig to the site to sample the soil in the affected area. The samples were needed to characterize the extent of the contamination as outlined by Amendment 1. Continuous split spoon samples were taken at the six locations shown on Figure 2.0 in Appendix B. The samples extended from the bottom of the excavation surface (approximately 18" below original grade) to a depth of 6 feet. Sampling locations #22, #32, #42, #62, #72, and #102 taken from Pile 1 area and #82 taken from Pile 2 area correspond to sampling locations #2P, #3P, #4P, #6P, #7P, and #10P from Pile 1 area and sample #8P from Pile 2 area collected during sampling activities of November 1989. All soil sampling and handling procedures were in accordance with Amendment 1 to the Remediation Work Plan, dated January 15, 1990.

The soil samples were inspected in the field by Mr. Quinby and descriptions were logged. Field screening was performed on the upper two split spoon samples (0-2' and 2-4' samples) using an organic vapor analyzer (OVA) in accordance with Section 5.2.3, of the Work Plan. The concentrations of VOC's detected by the OVA ranged from 0 to 5 ppm for the series of samples collected from the upper 0 to 2 foot depths, (see Table 2.0 located at the end of this report). The split spoon samples collected from the 4 to 6' depth interval were used to visually classify the soils and make observations as to the soils general condition and make-up.

At the completion of the sampling effort, the borings were grouted and the drill rig and all associated equipment were decontaminated in accordance with Section 5.2 of the Work Plan.

Subsurface soils encountered during the sampling activities consisted of 12 to 24 inches of loose gravel, sandy gravel and cinders to sandy clay overlying stiff brown silty clay to clay. This dry stiff silty-clay to clay layer was identified down to a

depth of six feet and the borings did not penetrate beneath it. The upper gravel and sandy zones were moist, with decreasing moisture content with depth. The lower most split spoon samples collected at each location (4-6' in depth) appeared dry.

Field screening of these samples with an OVA revealed readings of less than 0.10 to 5 ppm, (see Table 2.0), analytical test results showed concentrations of the VOC's were below 55 parts per billion (ppb) (see Table 1.0). All PCB concentrations were below detection limits.

Analytical and field screening results were combined with boring logs to estimate the extent to which contaminated soil should be excavated and to identify potential problems in the underlying geological conditions which could impact Phase III remedial activities. Based on the available data, a minimum target excavation depth of 24 to 26 inches was established. Excavating to this depth would remove the upper granular soils and a few inches of the underlying silty-clay layer.

Mr. Tom Johnson of the NYSDEC was on site during the boring and sampling activities. He was also present during the head space analyses of the collected samples.

2.3 PHASE III

The information obtained during the Phase II characterization activities was used to establish the excavation depth and prepare contract documents for completion of the soil remediation effort. Environmental Products and Services (EPS) was subcontracted by Dames & Moore to complete the soil removal work at the site. NUS Laboratories was again used to perform the confirmation soil sample analyses.

On October 1, 1990, Mr. Jim Vreeland, Mr. Jim Barry, and Mr. John Scott of EPS were met on site by Mr. Quinby. They proceeded to establish the Hot Zone, Support Zone and decontamination area for exit/entry. These areas were the same as used during the excavation activities in November, 1989. Four 20 cubic yard rolloff boxes were delivered onsite the previous Friday and were positioned to the south of Pile #1 and to the east and south of Pile #2.

Prior to excavation Mr. Johnson of the NYSDEC was notified. He was onsite during excavation activities.

A backhoe was used to excavate Pile #1 and then Pile #2. The backhoe was maneuvered outside of the contaminated area with only the bucket contacting the contaminated soil being excavated. Little to no water was encountered during the excavation and approximately 90 cubic yards of soil was removed from the Pile #1 and Pile #2 areas and placed in rolloff containers.

When the desired depth of 24 to 26 inches below the excavated grade (42 to 44 inches below the original grade) was reached, seven confirmation soil samples were taken. The locations of these sample points corresponded to the previous locations of the characterization activities and of November 1989. They were labeled #23, #33, #43, #63, #73, #83, and #103 (see Figure 3.0 in Appendix B). Each sample was collected in accordance with the procedures outlined in Appendix B of the Work Plan. Again, headspace readings using an OVA were performed on each sample in the field. The headspace results were all below 10 ppm and are reported in Table 2.0 attached to this report.

At the request of Mr. Johnson, Mr. Quinby obtained four more soil samples from the perimeter of the excavated area of Pile #1. These samples were labeled North, South, East, and West. Headspace measurements were again performed in accordance with procedures outlined in the Work Plan. The results of these readings indicated nondetectable for all four samples, these results are also listed in Table 2.0.

Since all headspace readings from the confirmation samples were nondetectable or below 10 ppm, the samples were packaged for shipment to NUS. Included with the sample shipment were two additional samples one was of the backfill material and the other was of the topsoil. Both materials were to be used in restoration of the site.

When excavation and sampling activities were completed, both Pile #1 and Pile #2 excavated areas were covered with visqueen, rolloff boxes covered and secured, the equipment decontaminated as outlined by the Work Plan, and a snow fence erected around the excavated area.

Laboratory results of the confirmation samples were received by Dames & Moore on October 11, 1990. A copy of these results and the respective QA/QC package can be found in Appendix C. The concentration levels of PCB's and total volatile organics in the samples were all within the target cleanup levels outlined in the Work Plan.

Analysis of the backfill sample showed a 9 ppb concentration of benzene. Even though the work plan did not call for confirmation that the material be free of volatile organics, EPS was asked to obtain another sample from a different source and analyze the source for PCBs as reviewed by the Work Plan. A sample was obtained directly from a truck that delivered backfill to the site. It was tested for PCB's and the results were nondetectable. The results of the analysis of the topsoil sample initially provided by EPS were nondetectable for both volatile organics and PCB's. These analyses can be found in Appendix C, and are also tabulated in Table 1.0.

These analytical data were transmitted to Mr. Johnson on October 19, 1990 during a meeting held at the Dames & Moore office in Orchard Park, New York. Ms. Maryann Grotefend of Westinghouse Electric Corporation, and Mr. Quinby were also in attendance at the meeting, the purpose of which was to discuss the status of the project and relay the results of the confirmation sample analysis to Mr. Johnson.

2.4 SITE RESTORATION

With the required analytical data showing that the target cleanup levels for PCB's and volatile organics as outlined in the Work Plan have been met, a decision was made by Westinghouse and agreed to by NYSDEC to backfill the excavation and commence with site restoration.

On October 25, 1990 EPS backfilled the excavations and restored the area back to its original grade.

The Contract Laboratory Protocol (CLP) backup package for the lab results were not received until after the backfill had been placed. While reviewing the CLP package, Mr. Quinby discovered (as a result of a misunderstanding by the laboratory) the analyses performed on the confirmation soil sample for volatile organics had been performed using the TCLP extraction protocol, and not on an as received basis as was done on all previous samples. Even though the results from the TCLP extraction indicated extremely low to nondetectable concentrations of volatile organics, the decision was made to obtain another set of confirmation samples and redo the VOC analysis on an as received basis. This was needed to provide a consistent comparison to the November 1989 results using the same analytical procedures for the confirmation sample analyses both times.

On November 2, 1990 Mr. Quinby accompanied by Ms. Jane Staten of Dames & Moore obtained seven more soil samples. The samples were labeled #24, #34, #44, #64, #74, #84, and #104, and correspond to the previous soil sample points (see Figure 3.0 in Appendix D). Samples of the underlying native material were obtained by hand boring through the newly placed backfill material to the resultant level of the excavation. This interface was easily identified. The backfill is a well graded sandy loam material which is dark in color. The native material consisted of silty, sandy, clay, fairly consolidated and light in color. The samples were collected and headspace readings taken with an OVA in accordance with the Work Plan. The results of the headspace readings are listed in Table 2.0 attached to this report.

Headspace readings were nondetectable for all samples but one which was approximately 1 to 5 ppm. The samples were packaged and shipped to NUS for analysis. The volatiles were analyzed on an as received basis, consistent with the analysis performed on the samples from November, 1989.

Mr. Johnson, of the NYSDEC, was onsite during the resampling activities and collected two duplicate soil samples. Mr. Johnson packaged the samples and forwarded them to an independent lab as chosen by the NYSDEC.

Analytical results for the samples analyzed for Dames & Moore were available on November 13, 1990. All results were within the target cleanup levels and are listed in Table 1.0 located at the end of this report. The data and respective QA/QC package can be found in Appendix C.

Mr. Johnson informed Mr. Quinby on December 19, 1990 of the results from the analyses performed on the duplicate samples he had taken. They were consistent with the results obtained from NUS. A copy of these results can be found in Appendix C, and are summarized in Table 2.0.

On May 8, 1990, Environmental Products and Services completed the site restoration work by installing a chain link fence in the location where the original one had been previously removed in order to perform the soil excavation activities. They also placed seed and mulch over the affected area as required by Section 5.2.5 of the Work Plan.

3.0 CHARACTERISTICS AND DISPOSITION OF REMOVED SOIL

3.1 SOIL REMOVAL DURING THE NOVEMBER 1989 ACTIVITIES (PHASE I)

During the remedial activities of November, 1989 approximately 30 cubic yards of soil and debris were removed from the area in and around piles #1 and #2. The material was placed into two 30 cubic yard rolloff containers. A sample of the soil was obtained and forwarded to RECRA Environmental, Inc., (a New York State Certified laboratory), for TCLP extraction and a subsequent analysis for F-listed spent solvents (VOA's) to determine the soil's disposal status under 40 CFR Part 268, "Land Disposal Restrictions". The results of this analysis are provided in Appendix C and show a concentration of xylene which is above the limits imposed by the regulations for material that can be disposed in a permitted land disposal facility. Because of the elevated concentrations of xylene, the soil was considered an F listed waste, for which the Best Demonstrated Available Technology (BDAT) for disposal is incineration.

Since the material contained in the rolloff's needed to be incinerated, the sample analytical results and another sample of soil was forwarded to Aptus Inc., in Coffeyville, Kansas. Based on this information and their evaluation of the sample, approval was granted for incineration of the soil by Aptus. The two rolloff containers were then transported off site in route to Coffeyville on May 30, 1990.

The permitted hazardous waste carrier contracted by Westinghouse Electric Corp. to transport the material to Aptus was Buffalo Fuel Corp., of Niagara Falls, New York. The material arrived in Coffeyville on June 1, 1990, and copies of the hazardous waste manifests are provided in Appendix A. The material in one rolloff container was destroyed by Aptus on August 1, 1990, and a copy of the Certificate of Destruction has been provided in Appendix A. Due to time constraints during the trial burn, at Aptus, the remaining material could not be incinerated there and was transported to a Chemical Waste Management permitted facility in Chicago for incineration. However, prior to it's destruction the incinerator was shut down due to operational problems. Therefore, the rolloff was transported back to Aptus, and was destroyed the week of October 7, 1991. A copy of the manifests and Certificate of Destruction are included in Appendix A.

3.2 SOIL REMOVED DURING THE OCTOBER 1990 ACTIVITIES (PHASE III)

The material excavated during October, 1990 totaled approximately 90 cubic yards and was placed in four 25 cubic yard rolloffs. A composite sample was obtained from the rolloffs and forwarded to RECRA Environmental Laboratory for TCLP extraction and a subsequent analysis to determine it's disposal status in accordance with 40 CFR Part 268, (as was done for the for the material removed in November, 1989). The results of this analysis are presented in Appendix C and show very low to nondetectable concentrations of the F-listed solvent wastes (VOA's). Based on these results, and PCB concentrations of 64 ppm, the soil could be disposed in a permitted land disposal facility. This information along with a soil sample was forwarded to Chemical Waste Management, Inc.'s permitted landfill located in Model City New York, and was subsequently approved for disposal at this facility.

The rolloff containers remained on site during the time required to characterize the waste and obtain approval for disposal from Chemical Waste Management. During this time, the covers on the containers were damaged by vandalism and adverse weather. As a result of the damage some rain water collected in the rolloffs. Thus, removal and proper disposal of the water was required prior to the transport of the material to Model City. To determine if the water could be disposed of by discharging it

into the Buffalo Sanitary Sewer system, a composite sample of the water was collected and forwarded to RECRA Environmental, Inc. for analysis. Due to the presence of organics that were found in the TCLP extract and PCB concentration in the soil, the Buffalo Sewer Authority requested that the sample be analyzed for PCB's per 40 CFR Part 136, method 608. The results of this analysis showed a PCB concentration of 13 ppb. This was communicated to Mr. James Overholt of the Buffalo Sewer Authority. Based on the information furnished, approval was granted by the Sewer Authority to discharge the water in the rollofs into the sewer system. Copies of the water sample analytical results are provided in Appendix C; the letter from Mr. Overholt approving the discharge of the water into the sewer system is provided in Appendix A.

On Thursday March 28, 1991 Mr. Quinby meet a laborer from Environmental Products and Services at the Eastern Electric site to transfer soil contained in the two overfilled rollofs into a fifth one that had been delivered the preceding day, and to remove the water in the containers and discharge it into the sewer. Mr. Overholt met us on site and located the sewer inlet where the water was to be discharged. The soil and water transfer operations were completed that day and the pickup and transport of the containers to Model City was scheduled for the following day.

On Friday March 29, 1991 the permitted hazardous waste hauler contracted by Westinghouse Electric Corp., Tonawanda Tank Transport Service, Inc. picked up the five rollofs of material for transport to CWM in Model City, NY. However, due to scheduling problems, the containers were transported to, and staged at Tonawanda Tank's facility until the following Monday, (April 1, 1991) at which time Chemical Waste Management could accept the shipment at their Model City facility. Four of the rollofs were transported to Model City that Monday with the remaining one transported Tuesday April 2, 1991. Copies of the hazardous waste manifests used are provided in Appendix A.

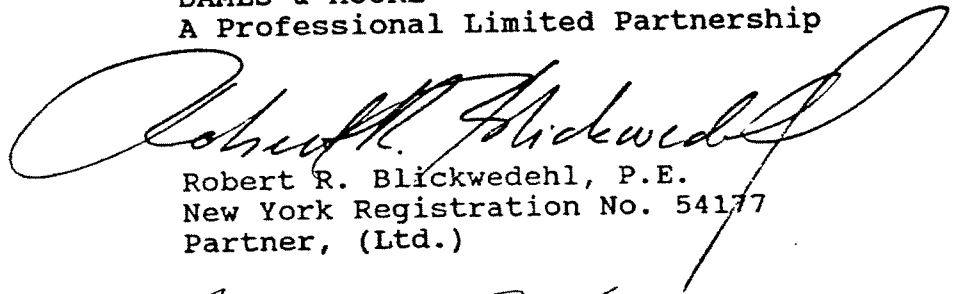
Table 3.0 attached to this report provides a listing of the quantity of material removed and disposed. It also provides the location, date, and method of disposal.

4.0 SUMMARY AND CONCLUSIONS

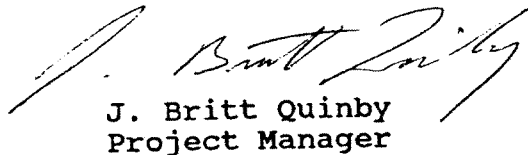
As described in the previous sections of this report, all exterior cleanup activities required by the Work Plan were completed in accordance with the methods specified in the Work Plan as amended. A certification document to this effect is attached to this report.

The activities documented in this report and those documented in Dames & Moore's report entitled Spray Booth Area Decontamination and Sewer Evaluation, dated December 13, 1990, fulfilled all remediation requirements cleanup objectives for the site.

Respectfully submitted,
DAMES & MOORE
A Professional Limited Partnership



Robert R. Blickwedehl, P.E.
New York Registration No. 54177
Partner, (Ltd.)



J. Britt Quinby
Project Manager

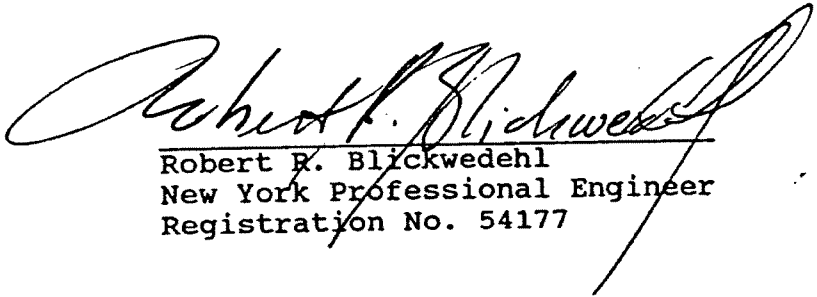
RRB/JBQ:ph

CERTIFICATION OF COMPLETION

CONTAMINATED SOIL REMOVAL

Eastern Electric Apparatus Facility
1132 Seneca Street
Buffalo, New York

I hereby certify based on personal knowledge and belief that the soil removal work performed at the subject facility during the period of November 17, 1989, May 30, 1990, and March 28 and 29, 1991 was performed in accordance with the Approved Work Plan dated August 31, 1989, and addendum to the work plan dated January 15, 1990.



Robert R. Blickwedehl
New York Professional Engineer
Registration No. 54177

TABLE 1.0
SUMMARY OF CONFIRMATION SOIL SAMPLE
RESULTS FOR THE EASTERN ELECTRIC APPARATUS FACILITY
SOIL REMEDIATION EFFORT

#	Date Sampled	PCB (ppm)	Total Volatile Organics (ppm)	Comments
2	11/17/89	19.3	3.265	PCB's - AR, PH's - AR
2p	11/21/89	64.0	13.330	PCB's - AR, PH's - AR
23	10/01/90	<0.2	0.015	PCB's - AR, PV's - TCLP
24	11/02/90		0.014	PH's - AR
3	11/17/89	5.7	1.204	PCB's - AR, PH's - AR
3p	11/21/89	6.3	0.033	PCB's - AR, PH's - AR
33	10/01/90	<0.2	0.020	PCB's - AR, PV's - TCLP
34	11/02/90		0.009	PH's - AR
4	11/17/89	4.4	0.744	PCB's - AR, PH's - AR
4p	11/21/89	1.4	0.003	PCB's - AR, PH's - AR
43	10/01/90	<0.2	<D.L.	PCB's - AR, PV'S - TCLP
44	11/02/90		<D.L.	PH's - AR
5	11/17/89	<0.2	0.013	PCB's - AR, PH's - AR
6	11/17/89	4.5	1.237	PCB's - AR, PH's - AR
6p	11/21/89	<2.0	0.144	PCB's - AR, PH's - AR
63	10/01/90	<0.2	0.018	PCB's - AR, PV's - TCLP
64	11/02/90		<D.L.	PH's - AR

TABLE 1.0 (Continued)
SUMMARY OF CONFIRMATION SOIL SAMPLE
RESULTS FOR THE EASTERN ELECTRIC APPARATUS FACILITY
SOIL REMEDIATION EFFORT

<u>#</u>	<u>Date Sampled</u>	<u>PCB (ppm)</u>	<u>Total Volatile Organics (ppm)</u>	<u>Comments</u>
7	11/17/89	17.0	3.402	PCB's - AR, PH's - AR
7p	11/21/89	21.0	0.300	PCB's - AR, PH's - AR
73	10/01/90	<2.0	0.011	PCB's - PV's - TCLP
74	11/02/90		0.003	PH's - AR
8	11/18/89	35.0	0.163	PCB's - AR, PH's - AR
8p	11/21/89	<2.0	0.002	PCB's - AR, PH's - AR
83	10/01/90	0.2	0.017	PCB's - AR, PV's - TCLP
84	11/02/90		0.002	PH's - AR
9	11/17/89	0.38	0.010	PCB's - AR, PH's - AR
10	11/17/89	8.8	1.406	PCB's - AR, PH's - AR
10p	11/21/89	19.3	0.981	PCB's - AR, PH's - AR
103	10/01/90	<0.2	<D.L.	PCB's - AR, PV's - AR
104	11/02/90		0.002	PH's - AR

<D.L. = Less than detection limits.

PCB's = Polychlorinated Biphenals

PH's = Purgable Halocarbons

PV's = Priority Pollutant

AR = As Received

TCLP = Toxicity Characteristic Leachate Procedure

TABLE 2.0
SUMMARY OF SOIL SAMPLE FIELD
HEAD SPACE READINGS FOR THE
EASTERN ELECTRIC APPARATUS FACILITY
SOIL REMEDIATION EFFORT

<u>Sample #</u>	<u>Date of Reading/Sampling</u>	<u>Results (ppm)</u>
2	11/18/89	N.R.
2P	11/21/89	750.00
22A	6/11/90	2.00 to 3.00
23	10/01/90	N.D.
24	11/02/90	1.00 to 5.00
3	11/18/89	N.R.
3P	11/21/89	4.50
32A	6/11/90	1.00
33	10/01/90	N.D.
34	11/02/90	N.D.
4	11/18/89	N.R.
4p	11/21/89	2.80
42A	6/11/90	N.D.
43	10/01/90	N.D.
44	11/02/90	N.D.
5	11/18/89	N.R.
6	11/18/89	N.R.
6P	11/21/89	N.D.
62A	6/11/90	N.D.
63	10/01/90	N.D.
64	11/02/90	N.D.
7	11/18/89	N.R.
7P	11/21/89	12.00
72A	6/11/90	2.00
73	10/01/90	0.10
74	11/02/90	N.D.
8	11/18/89	N.R.
8P	11/21/89	N.D.
82A	6/11/90	N.D.
83	10/01/90	N.D.
84	11/02/90	N.R.

TABLE 2.0 (CONTINUED)

<u>Sample #</u>	<u>Date of Reading/Sampling</u>	<u>Results (ppm)</u>
9	11/18/89	N.R.
10	11/18/89	N.R.
10P	11/21/89	4.50
102A	6/11/90	2.00
103	10/01/90	0.10
104	11/02/90	N.D.
South	10/01/90	N.D.
North	10/01/90	N.D.
East	10/01/90	N.D.
West	10/01/90	N.D.

N.D. = Non detectable; less than detection limits = <0.10 ppm.
 N.R. = No results (head space reading not taken).

TABLE 3.0
SUMMARY OF SOIL DISPOSAL

<u>Dates Material Removed</u>	<u>Quantity Removed</u>	<u>Disposal Facility</u>	<u>Date of Disposal</u>	<u>Method of Disposal</u>
November 17, to November 21, 1989	15 c.y.s.	Aptus Inc. Coffeyville, KS	August 1, 1990	Incineration
November 17, to November 21, 1989	15 c.y.s.	Aptus Inc. Coffeyville, KS	Week of October 7, 1991	Incineration
October 1, 1990	90 c.y.s.	Chemical Waste Management, Inc. Model City, NY	April 1, and April 2, 1991	Land Disposal



GRAVEL DRIVE

KEY :

• 11

• SAMPLE LOCATION
AND SAMPLE NUMBER

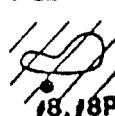


• EXCAVATED AREA
(TO A DEPTH OF 18"+)

BLOCK
BUILDING

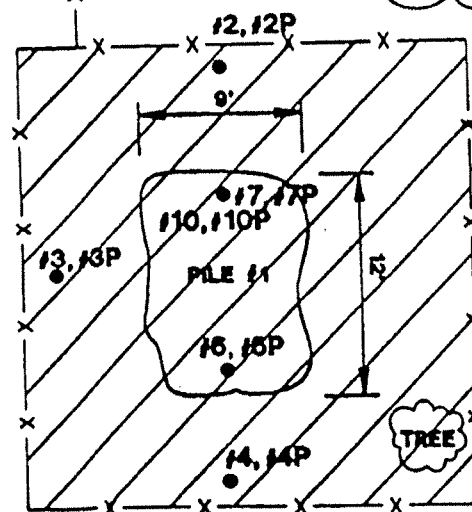
TREE

PILE #2



18, 18P

25 FT. SQ. CHAINLINK
SECURITY FENCE



REFERENCE DRAWING :
WESTINGHOUSE Environmental Services
Drawing No. C-2. Site Plan

TITLE : SITE PLAN WITH
PHASE I SAMPLE LOCATIONS

EASTERN ELECTRIC APPARATUS
BUFFALO, NEW YORK



DAMES & MOORE

A PROFESSIONAL LIMITED PARTNERSHIP

SCALE : 1" = 10'

FIGURE 1



GRAVEL DRIVE

KEY :

- /1 - SAMPLE LOCATION AND SAMPLE NUMBER
- /// - EXCAVATED AREA (TO A DEPTH OF 18"+)

BLOCK BUILDING

TREE

PILE #2

25 FT. SQ. CHAINLINK SECURITY FENCE

REFERENCE DRAWING :
WESTINGHOUSE Environmental Services
Drawing No. C-2 Site Plan

TITLE : SITE PLAN WITH
PHASE II SAMPLE LOCATIONS
EASTERN ELECTRIC APPARATUS
BUFFALO, NEW YORK



DAMES & MOORE

A PROFESSIONAL LIMITED PARTNERSHIP

SCALE : 1" = 10'

FIGURE 2



GRAVEL DRIVE

KEY :

- 11 - SAMPLE LOCATION AND SAMPLE NUMBER
- /// - EXCAVATED AREA (TO A DEPTH OF 18" +)

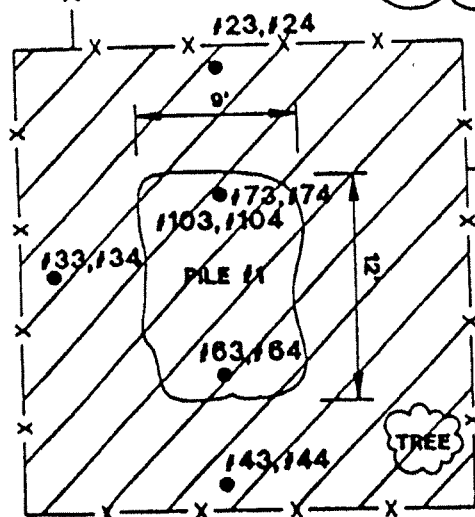
BLOCK BUILDING

TREE

PILE 12

183, 184

25 FT. SQ. CHAINLINK SECURITY FENCE



REFERENCE DRAWING :
WESTINGHOUSE Environmental Services
Drawing No. C-2 Site Plan

TITLE : SITE PLAN WITH
PHASE III SAMPLE LOCATIONS
EASTERN ELECTRIC APPARATUS
BUFFALO, NEW YORK



DAMES & MOORE

A PROFESSIONAL LIMITED PARTNERSHIP

SCALE : 1" = 10'

FIGURE 3

JH

September 22, 1989

CERTIFIED MAIL

Maryann Grotenfend
Westinghouse Electric Corp.
Westinghouse Building
Gateway Center
Pittsburgh, PA 15222

Re: Eastern Electric Apparatus
1132 Seneca Street, Buffalo

Dear Ms. Grotenfend:

The August 30, 1989 revised remediation work plan for the above referenced facility has been reviewed. The proposal is considered acceptable. The analytical parameters and low level quantification limits for volatiles and PCBs contained in section 3 are required. Any deviations must receive the concurrence of this Department. EPA SW846 preservation procedures and handling chain of custody procedures must be strictly complied with and documented.

Notification of the work start schedule will be necessary for our office 7 calendar days prior to site work to allow for staff time scheduling. The work should be scheduled within 30 days of receipt of this letter. Mr. Thomas Johnson of this office will handle field oversight.

If you have any additional questions, please feel free to contact me at 716-847-4582.

Very truly yours,

E. Joseph Sciascia

E. Joseph Sciascia, P. E.
Senior Sanitary Engineer
Division of Environmental
Enforcement

EJS/mf

cc: David Floyd, Esq.
Phillips, Lytle, Hitchcock,
Blaine & Huber
3400 Marine Midland Center
Buffalo, NY 14203

William Wall, Esq.
Westinghouse Electric Corp.

J. Elmore, Esq. - NYS Dept. of Law
J. Hyden - Region 9 (w/Work Plan)
M. Desmond, Esq.

RECEIVED

SEP 25 1989

U.S. DEPT. OF
ENVIRONMENTAL PROTECTION



CONFIDENTIAL

September 28, 2001

Mr. Daniel Bolubash, President
Fibreright Manufacturing, Inc.
1132 Seneca Street
Buffalo, New York 14210

**Re: Additional Environmental Evaluations
Fibreright Manufacturing Facility
1132 Seneca Street
Buffalo, New York
File; ETE-01-98**

Dear Mr. Bolubash:

In accordance with the authorization of Mr. Daniel Bolubash, President, Fibreright Manufacturing, Inc., dated July 24, 2001, Evergreen Testing & Environmental Services, Inc. (ETES) completed additional Environmental Evaluations at the former Westinghouse Electric Service facility located at 1132 Seneca Street, Buffalo New York.

An environmental sampling and subsurface exploration program was completed at the subject site on August 30 & 31, 2001 to address selected environmental concerns that were identified in a *Limited Site Data Review*, completed by Environmental Audits, Inc., dated May 8, 2001 and a *Phase II Soil Sampling Report*, completed by GaiaTech, Inc., dated January 10, 1999. Refer to Drawing No. 1 presented in Attachment A. These concerns focus on the potential presence of petroleum based and/or hazardous chemical compounds that may have been released in the areas of historic underground storage tank(s) (USTs) and former transformer storage/repair/loading areas. General sampling locations included the former underground storage tank area west of the existing manufacturing building, the former tank area in the vacant lot east of the existing manufacturing building (as indicated on Sanborn Maps) and areas of elevated PCB concentrations north of the manufacturing building, in the loading dock area and beneath the concrete floor slab of the existing building (as indicated in previous reports). The following paragraphs present details concerning this environmental sampling and investigation program. Limitations to this report are presented in Attachment B.

Geophysical (EM-61 Magnetometer) Survey

Historic records (City of Buffalo Building Permit Office and Sanborn Maps) indicated that gasoline storage tanks may have been present in the vacant lot, east of the existing manufacturing building, along a former railroad siding and east of a small building (old foundations visible) near Seneca Street. Based on this historic information a geophysical survey was completed by Barron & Associates, P.C., on July 31, 2001, in the vacant lot area near where the tanks may have been located. The geophysical survey consisted of utilizing a Geonics Model EM-61 magnetometer for the purpose of identifying the location of any magnetic anomalies which may be potentially associated with underground storage tanks (USTs). It should be noted that the geophysical survey was undertaken in the accessible areas. Heavily grassed areas and areas of surface obstructions (notably a gym/playground area) near the eastern portion of the survey area precluded the survey being completed in these areas.

Based on the results of the geophysical survey (refer to the detailed Geophysical Report presented in Attachment C) five (5) anomalies were identified in the survey area. The locations and potential sources of the anomalies are presented in the attached report. Based on field observations, it appears that in identified areas "A", "B", "D", and "E" the potential anomaly sources are concrete pads. Anomaly "C" appears to be in the area of the former railroad siding. Further subsurface investigations were completed in area "C" and the results are discussed in the following sections of this report

Geoprobe Field Explorations

Shallow subsurface Geoprobe explorations were completed on August 30 & 31, 2001 on the subject site to identify suspect shallow subsurface contamination. The shallow probe holes were advanced in the area of the former underground storage tank west of the existing manufacturing building, in the suspect area of former tanks (geophysical anomaly area "C") and in suspect PCB storage/repair/loading areas, north of the existing manufacturing building, in the loading dock area and beneath the concrete floor slab within the manufacturing building. Sampling locations were determined based on previous reports, field observations, the geophysical survey completed for this study, City of Buffalo records, Sanborn Maps and Hnu photoionization detector (PID) field measurements. Representative soil samples were collected near the former UST area, former tank area and PCB storage/repair/loading areas and submitted for analytical testing.

Thirty two (32) shallow Geoprobe holes (PH-1, PH-2, PH-3 [located near the former UST area west of the manufacturing building], PH-4 through PH-19 [located near reported PCB storage areas], PH-20, PH-21 and PH-26 [located in the loading dock area] PH-22, PH-23, PH-24 and PH-25 [located near the former tank area in the vacant lot east of the existing manufacturing building] and PH- 27 through PH-32 [located inside the existing manufacturing building]) were advanced in areas of environmental concern. The shallow probe holes were advanced by our subcontractor, Zebra Environmental Corp. (Zebra) using a truck-mounted Geoprobe unit. Refer to Drawing No. 2 presented in Attachment

A for probe hole locations. Generally, the probe holes were advanced to a depth of approximately six (6) to twelve (12) feet below ground surface to collect discrete grab samples of the shallow overburden soils. The samples were collected with Marco Core (MC) open samplers. These samplers are open tube design and measure approximately 2 inches outside diameter (OD) by about 48 inches long. The samplers are fitted with a removable cutting shoe and a clear acetate liner. A new acetate liner was used for each sampling interval. The removable cutting shoe and the outer steel samplers were decontaminated between each probe hole with a clean tap-water wash, Alconox soap wash and a double clean tap-water rinse. The location and depth of each Geoprobe hole was determined in the field by an ETES environmental geologist, based on subsurface conditions and PID measurements taken during the field explorations. Upon completion, each of the probe holes were backfilled with excess soil removed from the probe hole and patched with asphalt cold patch and/or concrete grout as necessary.

Generally, the soils encountered included miscellaneous fill materials ranging in depth from ground surface to a depth of about three (3) to five (5) feet below existing ground surface. The fill materials included brown sand, silt and clay mixed with concrete, bricks, cinders, crushed stone, wood, coal, ash, etc. The natural soils encountered beneath the fill materials included brown-gray moist mottled and layered silt and clay with trace to little fine sand. No groundwater and/or free standing water was encountered during Geoprobe investigations except in the probe holes completed in the area of the former USTs west of the building. Groundwater was measured in these probe holes at a depth of about 0.5 feet below ground surface at completion of the probe holes. The groundwater appears to be surface water and/or precipitation that has been trapped in the former tank pit excavation. Probe holes inside the building and loading areas were advanced through a concrete slab about three (3) to six (6) inches thick. About two (2) to four (4) feet of fill material was encountered beneath the concrete slab with the natural silt and clay soils beneath the fill.

The grab soil samples collected from each sampling location (probe hole) generally represented a continuous sample from the depth intervals of about 0 to 4 feet and 4 to 6 or 7 feet. Each grab soil sample recovered was screened in the field by an ETES environmental geologist using a PID to determine the presence of volatile organic compounds (VOCs). Organic vapor measurements were taken near the top of the probe hole and near soil samples as each sampler liner was cut open. None of the soil samples screened in the field for VOCs exhibited concentrations above background levels except for samples collected in the loading dock area and in several probe holes in the vacant lot area east of the building. In addition, no petroleum and/or chemical odors were noted during the Geoprobe explorations except for samples collected in the loading dock area and in several probe holes in the vacant lot area east of the building. For details refer to the probe hole Boring Logs presented in Attachment D.

Sample Collection, Analytical Testing and Results

Portions of the representative soil samples collected from the probe holes were removed from the sample liner and placed into pre-cleaned sample bottles provided by the

analytical laboratory. Portions of representative soil samples collected from the probe holes PH-1 and PH-2, located in the area of the former UST (west of the existing building), were removed from the sample liner, mixed in a pre-cleaned stainless steel mixing bowl and placed into pre-cleaned sample bottles provided by the analytical laboratory. A representative groundwater sample was collected from probe hole PH-2. The groundwater sample was collected by installing a temporary 3/4 inch PVC piezometer/screen at a depth of about five (5) feet below the water table and withdrawing a sample with 3/8 inch polyethylene tubing fitted with a stainless steel bottom check valve. The tubing was oscillated up and down to drive a column of water to the surface. The groundwater sample was placed into pre-cleaned sample bottles provided by the analytical laboratory. Upon preparation, the samples were preserved by cooling in the field and shipped to our subcontractor, Upstate Laboratories, Inc. (Upstate), Syracuse, New York for analytical testing. Chain-of-custody records were maintained throughout the sampling and shipping events.

The representative soil samples collected from PH-1 and PH-2 were composited and analyzed for the New York State Department of Environmental Conservation (NYSDEC) STARS List of volatile organic compounds (Test Method 8021) and semi-volatile organic compounds (Test Method 8270). The representative groundwater collected from probe hole PH-2 was analyzed for the New York State Department of Environmental Conservation (NYSDEC) STARS List of volatile organic compounds (Test Method 8021) and semi-volatile organic compounds (Test Method 8270). The representative soil samples collected from four (4) to eight (8) feet in probe hole PH-23 was also analyzed for the New York State Department of Environmental Conservation (NYSDEC) STARS List of volatile organic compounds (Test Method 8021) and semi-volatile organic compounds (Test Method 8270). Representative soil samples collected from PH-7 (from 0 to 4 feet) and PH-19 (from 0 to 4 feet) were analyzed for Target Compound List (TCL) of volatile (Test Method 8260) and semi-volatile compounds (Test Method 8270). Representative soil samples collected from PH-4 through PH-21 and PH-23 and PH-30 from depths of 0 to 4 feet and 4 to 7 feet were analyzed for PCBs (Test Method 8082). No soil samples were collected from probe holes PH-3, PH-22, PH-24, PH-25, PH-26, PH-27, PH-28, PH-29, PH-31 and PH-32 (PID measurements background) for analytical testing. Groundwater was only encountered during the probe hole explorations in probe holes PH-1 and PH-2 therefore, a groundwater sample was only collected from PH-2 for analytical testing.

Analytical Testing Results

The analytical testing results obtained for the soil samples collected were evaluated with respect to the NYSDEC STARS Memo #1, Petroleum-Contaminated Soil Guidance Policy, dated August, 1992 and NYSDEC's soil cleanup objectives to protect groundwater quality as identified in the TAGM Document HWR-94-4046, dated January 24, 1994. Refer to Attachment E for detailed analytical results.

PCB Testing Results

PCB analytical test results for the grab soil samples collected from the probe holes

indicated that total PCBs were detected at concentrations above the test method detection limit. The detected total PCB concentrations are summarized in Table 1 presented below:

Table 1
Summary of Analytical Test Results
Detected PCB Concentrations
August 30 & 31, 2001
Concentrations in mg/kg (parts per million)

Probe Hole No. and Depth (Sample ID No.)	Detected PCB Concentrations mg/kg	TAGM Soil Cleanup Objectives to Protect Groundwater mg/kg
PH-4, 4'-8'	1.2	10
PH-5, 0'-4'	0.36	10
PH-6, 4'-8'	0.14	10
PH-7, 0'-4'	13	10
PH-8, 0'-4'	7.6	10
PH-8, 4'-8'	0.20	10
PH-9, 4'-8'	0.13	10
PH-12, 0'-4'	0.88	10
PH-13, 0'-4'	0.38	10
PH-13, 4'-6'	3.4	10
PH-17, 0'-4'	0.69	10
PH-18, 4'-6'	17	10
PH-19, 0'-4'	4.1	10
PH-20, 0'-4'	3500*	10
PH-20, 4'-6'	8.4	10
PH-21, 4'-6'	0.66	10

* Concentrations above 50 mg/kg (parts per million) are considered hazardous waste.

Based on the analytical test results it appears that total PCB concentrations were detected above the NYSDEC TAGM cleanup objectives of 10 mg/kg (parts per million)

[ppm]) north of the existing manufacturing building (at two locations probe holes PH-7, [13 mg/kg] and PH-18, [17 mg/kg]) and in the loading dock area along the east side of the manufacturing building (probe hole PH-20, [3500 mg/kg]).

Due to the fact that the total PCB concentrations detected in the probe holes north of the manufacturing are below the TAGM cleanup objective of 10 mg/kg, except for two locations (probe holes PH-7 [13 mg/kg] and PH-18 [17 mg/kg]) it is unlikely that the total PCBs detected will have a significant environmental impact on the subject site.

It should be noted that the PCB concentration of 3500 mg/kg, detected in the soil sample collected from the loading dock area, is considered hazardous (detected concentration above 50 ppm) and should be reported to the New York State Department of Environmental Conservation (NYSDEC), Division of Hazardous Waste Remediation immediately. It is likely that the NYSDEC will require soil remediation beneath the concrete slab in the loading dock area. Remediation could include the excavation/removal/disposal of the impacted soil and groundwater beneath the concrete slab. Additional subsurface explorations and analytical testing may be required to determine possible migration outside the loading dock area. Since it appears that the trench drain in the loading dock area flows to the City of Buffalo combined sanitary/storm sewer system, sampling and analytical testing of the flow into the City of Buffalo sewer system may be required. Dye testing of the trench drain and the storm water catch basins should be done to verify the connection to the City of Buffalo system.

Former Underground Storage Tank Area West of the Building

The analytical test results of the soil samples collected indicates that one (1) volatile compound (naphthalene) and three (3) semi-volatile compounds (phenanthrene, pyrene and fluoranthene) were detected above the test method detection limit. The analytical test results of the groundwater sample collected also indicated that five (5) volatile compounds (benzene, toluene, m,p-xylene, o-xylene and naphthalene) were detected above the test method detection. However, the detected concentrations were NOT above the NYSDEC STARS guidance values and/or the TAGM clean-up objectives. Based on the results of the analytical testing, the PID field measurements, it does appear that the former underground petroleum storage tank area located west of the existing manufacturing building will have a significant impact on the environment at the subject site and/or adjacent properties.

Storage Areas North of the Existing Manufacturing Building

TCL volatile and semi-volatile organic analytical test results for the grab soil samples collected from probe holes PH-7 and PH-19, located north of the existing manufacturing building (PH-7) and near the concrete pad located about ninety (90) feet north of the existing building (PH-19) indicated that only two (2) volatile compounds (acetone and 2-butanone) and six (6) semi-volatile compounds (phenanthrene, pyrene, benzo (a) anthracene, chrysene, benzo (k) fluoranthene and benzo (a) pyrene) were detected above the test method detection limit in the soil sample collected from 0 to 4 feet in probe hole PH-7. Only acetone, detected at a concentration of 130 ug/kg and chrysene detected at a concentration 750 ug/kg were detected above the TAGM clean-up objectives of 110 ug/kg and 400 ug/kg, respectively. It is possible that the detected concentration of

acetone may be a result of laboratory contamination or spillage of acetone during past or present facility manufacturing. It is also possible that the detected chrysene concentrations may be a result of site history (i.e. incomplete burning of fossil fuels from railroad engines that used the sidings located north of the building). In any case, it is unlikely that the detected concentrations will have a significant environmental impact on the subject site.

Loading Dock Area

The analytical test results of the soil sample collected (probe hole PH-20) indicates that numerous volatile compounds were detected above the NYSDEC STARS guidance values (refer to Table 2). Based on the results of the analytical testing, the PID field measurements and the petroleum like odors noted during the probe hole advancement, the presence of petroleum impacted soil at the loading dock area should be reported to the New York State Department of Environmental Conservation, Region 8, Division of Spills Management Division.

Table 2
Summary of Analytical Test Results
Detected STARS List of Volatile Compounds
August 30 & 31, 2001
Concentrations in ug/kg (parts per billion)

Compounds	PH-20	NYSDEC STARS Guidance Values
m, p-xylene	150	100
n-propylbenzene	900	100
1,3,5-trimethylbenzene	590	100
n-butylbenzene	980	100
sec-butylbenzene	1100	100
t-butylbenzene	130	100
naphthalene	320	200

It should be noted that although the analytical test results for NYSDEC STARS List of volatile organic compounds indicate that the remaining volatiles compounds area below the test method detection limit, in some cases the test method detection limit is above the NYSDEC STARS Guidance values. Based on the analytical test results, it appears that the NYSDEC will require soil and/or trapped groundwater remediation beneath the concrete slab in the loading dock area. Remediation could include the excavation/removal/disposal of the impacted soil and groundwater beneath the concrete slab. Additional subsurface explorations and analytical testing may be required to determine possible migration outside the loading dock area.

Vacant Lot Area East of the Manufacturing Building (Possible Tanks)

The analytical test results of the soil sample collected (probe hole PH-23) indicates that several volatile compounds and no semi-volatiles compounds were detected above the NYSDEC STARS guidance values (refer to Table 3). Based on the results of the analytical testing, the PID field measurements and the petroleum like odors noted during the probe hole advancement, it appears that petroleum impacted soils are located near the probe holes in the vacant lot east of the manufacturing building. *Σ*

Table 3
Summary of Analytical Test Results
Detected STARS List of Volatile Compounds
August 30 & 31, 2001
Concentrations in ug/kg (parts per billion)

*PH-23
PH-24 +
PH-25*

Compounds	PH-23	NYSDEC STARS Guidance Values
ethylbenzene	1200	100
o-xylene	550	100
n-propylbenzene	320	100
n-butylbenzene	570	100

It should be noted that although the analytical test results for NYSDEC STARS List of volatile organic compounds indicate that the remaining volatiles compounds area below the test method detection limit, in some cases the test method detection limit is above the NYSDEC STARS Guidance values. Based on the analytical test results, it appears that the NYSDEC will require soil remediation in the area of the probe holes on the vacant property east of the manufacturing building. Remediation could include the excavation/removal/disposal of the impacted soil in the area of the probe holes. Additional subsurface explorations and analytical testing may be required to determine the lateral extent of the petroleum impacted soil.

Conclusions

Based on the scope of services completed, the relevant observations and findings are summarized below:

- o No chemical and/or petroleum like odors were noted during the collection of the soil samples in the area of probe holes PH-1, PH-2 and PH-3 (former underground storage tanks area west of the existing manufacturing building).
- o The representative soil samples collected from PH-1 and PH-2 were composited and analyzed for the New York State Department of Environmental Conservation (NYSDEC) STARS List of volatile organic compounds (Test Method 8021) and

semi-volatile organic compounds (Test Method 8270). The analytical test results indicated that no chemical compounds were detected above the test method detection limit. Therefore, it is unlikely that the former UST has a significant environmental impact on the subject site.

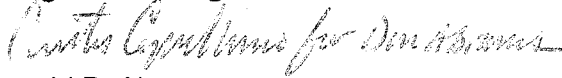
- o No chemical and/or petroleum like odors were noted during the collection of the soil samples in the area of probe holes PH-4 through PH-19 located north of the existing manufacturing building.
- o TCL volatile and semi-volatile organic analytical test results for the grab soil samples collected from probe holes PH-7 and PH-19, located north of the existing manufacturing building (PH-7) and near the concrete pad located about ninety (90) feet north of the existing building (PH-19) indicated that only two (2) volatile compounds (acetone and 2-butanone) and six (6) semi-volatile compounds (phenanthrene, pyrene, benzo (a) anthracene, chrysene, benzo (k) fluoranthene and benzo (a) pyrene) were detected above the test method detection limit in the soil sample collected from 0 to 4 feet in probe hole PH-7.
- o Only acetone, detected at a concentration of 130 ug/kg and chrysene detected at a concentration 750 ug/kg were detected above the TAGM clean-up objectives of 110 ug/kg and 400 ug/kg, respectively. It is possible that the detected concentration of acetone may be a result of laboratory contamination and/or minor spillage of acetone during past or present facility manufacturing. It is also possible that the detected chrysene concentrations may be a result of site history (i.e. numerous railroad sidings located north of the building).
- o Based on the analytical test results it appears that total PCB concentrations were detected above the NYSDEC TAGM cleanup objectives of 10 mg/kg north of the existing manufacturing building (at two locations probe holes PH-7 [13 mg/kg] and PH-18 [17 mg/kg]) and in the loading dock area (probe hole PH-20[3500 mg/kg]). It should be noted that the PCB concentration of 3500 mg/kg, detected in the soil sample collected from the loading dock area, is considered hazardous (detected concentration above 50 ppm) and should be reported to the New York State Department of Environmental Conservation (NYSDEC), Division of Hazardous Waste Remediation immediately. It is likely that the NYSDEC will require soil and perched groundwater remediation beneath the concrete slab in the loading dock area.
- o Some chemical and/or petroleum like odors were noted during the collection of the soil samples in the area of probe holes PH-20, PH-21 and PH-26 located in the loading dock area along the east side of the manufacturing building.
- o The analytical test results of the soil sample collected (probe hole PH-20) indicates that numerous volatile compounds were detected above the NYSDEC STARS guidance values. Based on the results of the analytical testing, the PID field measurements and the petroleum like odors noted during the probe hole advancement, the presence of petroleum impacted soil at the loading dock area

should be reported to the NYSDEC Conservation, Region 8, Division of Spills Management Division.

- o Some chemical and/or petroleum like odors were noted during the collection of the soil samples in the area of probe holes PH-23 and PH-24 located in the vacant lot area, east of the existing manufacturing building near reported tanks.
- o The analytical test results of the soil sample collected (probe hole PH-23) indicates that several volatile compounds and no semi-volatile compounds were detected above the NYSDEC STARS guidance values. It should be noted that although the analytical test results for NYSDEC STARS List of volatile organic compounds indicate that the remaining volatile compounds are below the test method detection limit, in some cases the test method detection limit is above the NYSDEC STARS Guidance values. Based on the analytical test results, it appears that the NYSDEC will require some soil remediation in the area of the probe holes on the vacant property east of the manufacturing building. Remediation could include the excavation/removal/disposal of the impacted soil in the area of the probe holes. Additional subsurface explorations and analytical testing may be required to determine the lateral extent of the petroleum impacted soil.

The information presented above should adequately describe the additional Environmental Evaluation completed at the subject site. If you have any questions regarding this letter report, please contact our office.

Respectively submitted,
Evergreen Testing & Environmental Services, Inc.



Donald B. Abrams
Project Manager/Sr. Environmental Geologist

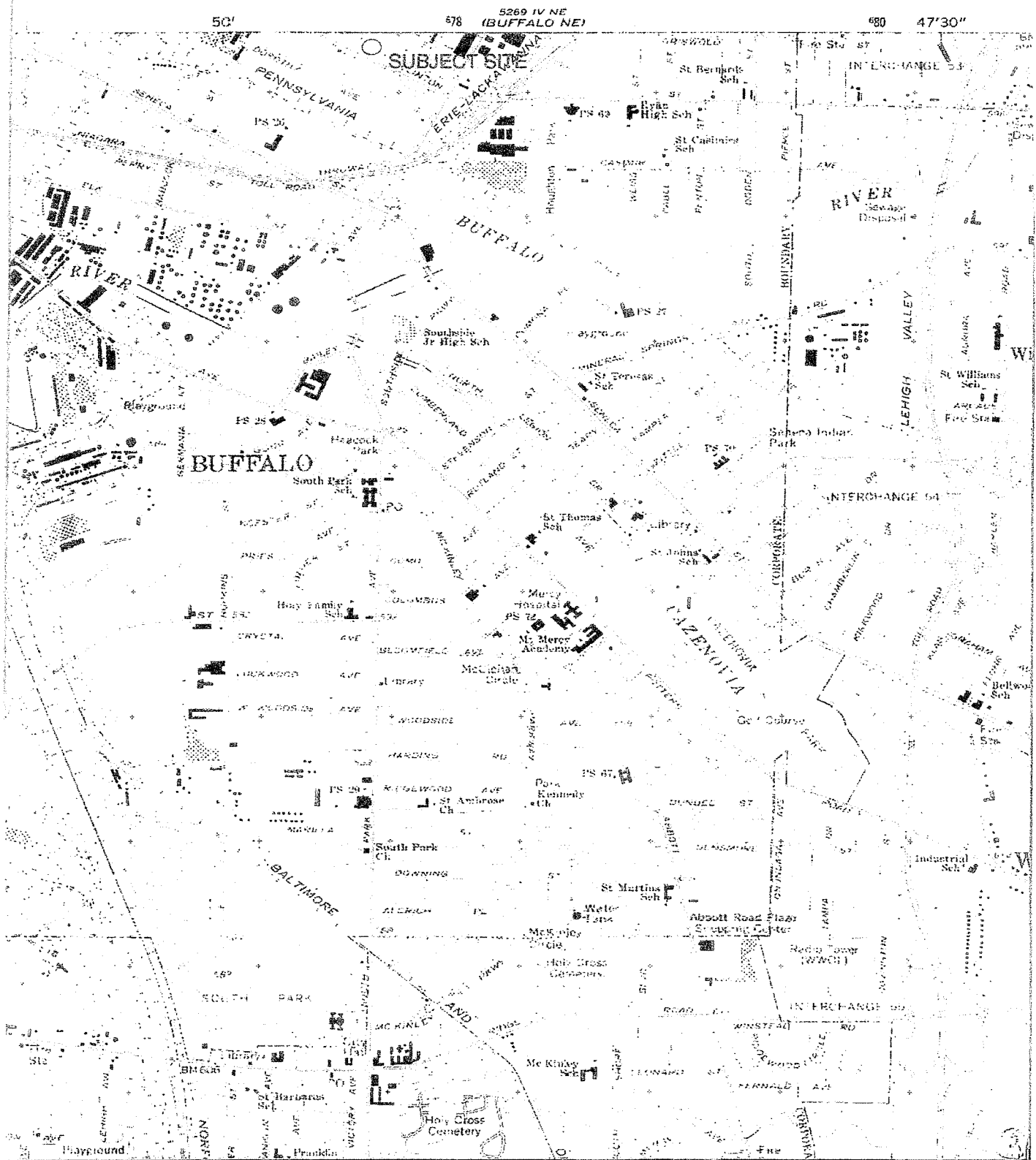
Fred A. Dente, P.E.
President

Attachments

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APPENDIX A

DRAWINGS

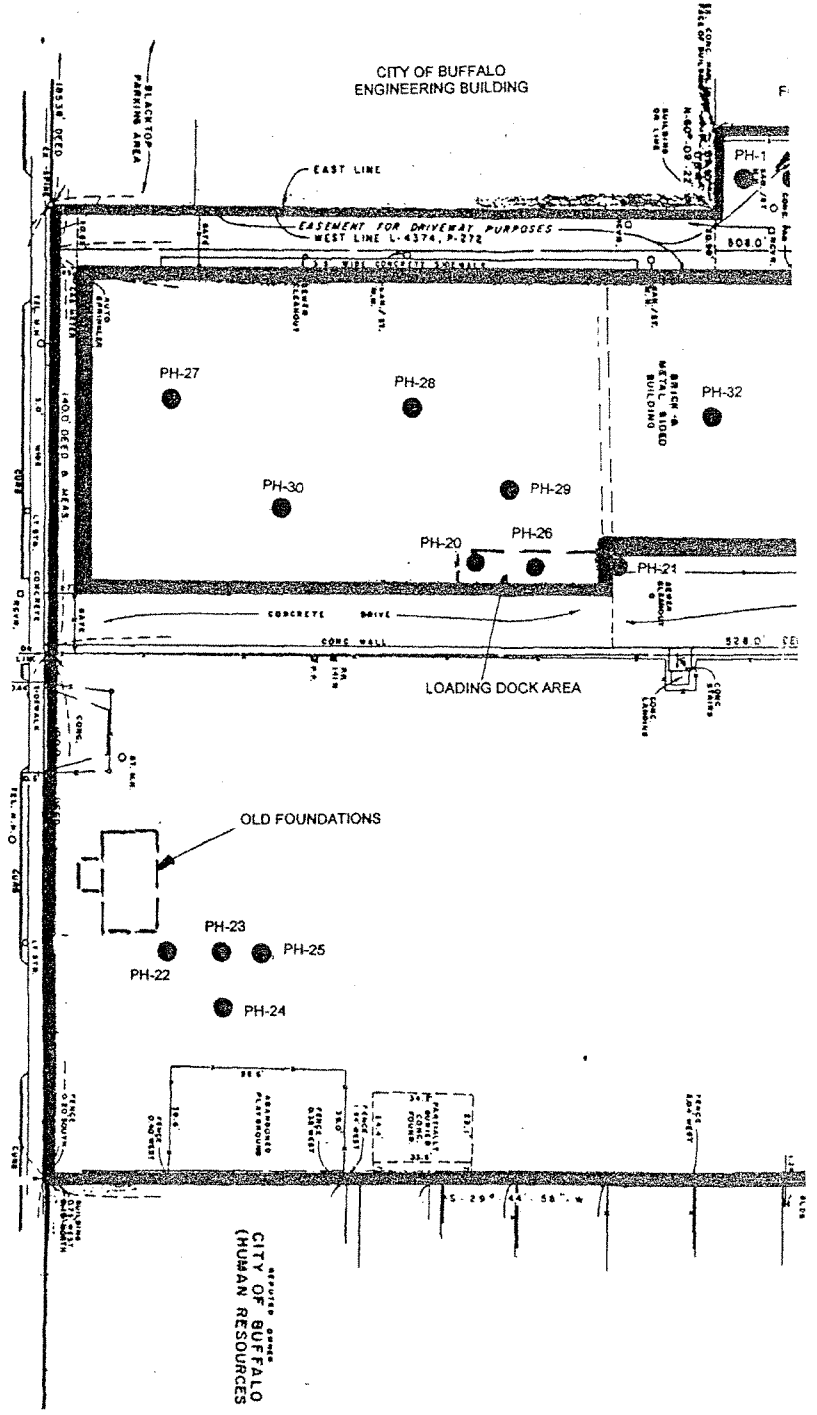


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 Date: 9/24/101
 Scale: 1 inch equals 2000 feet

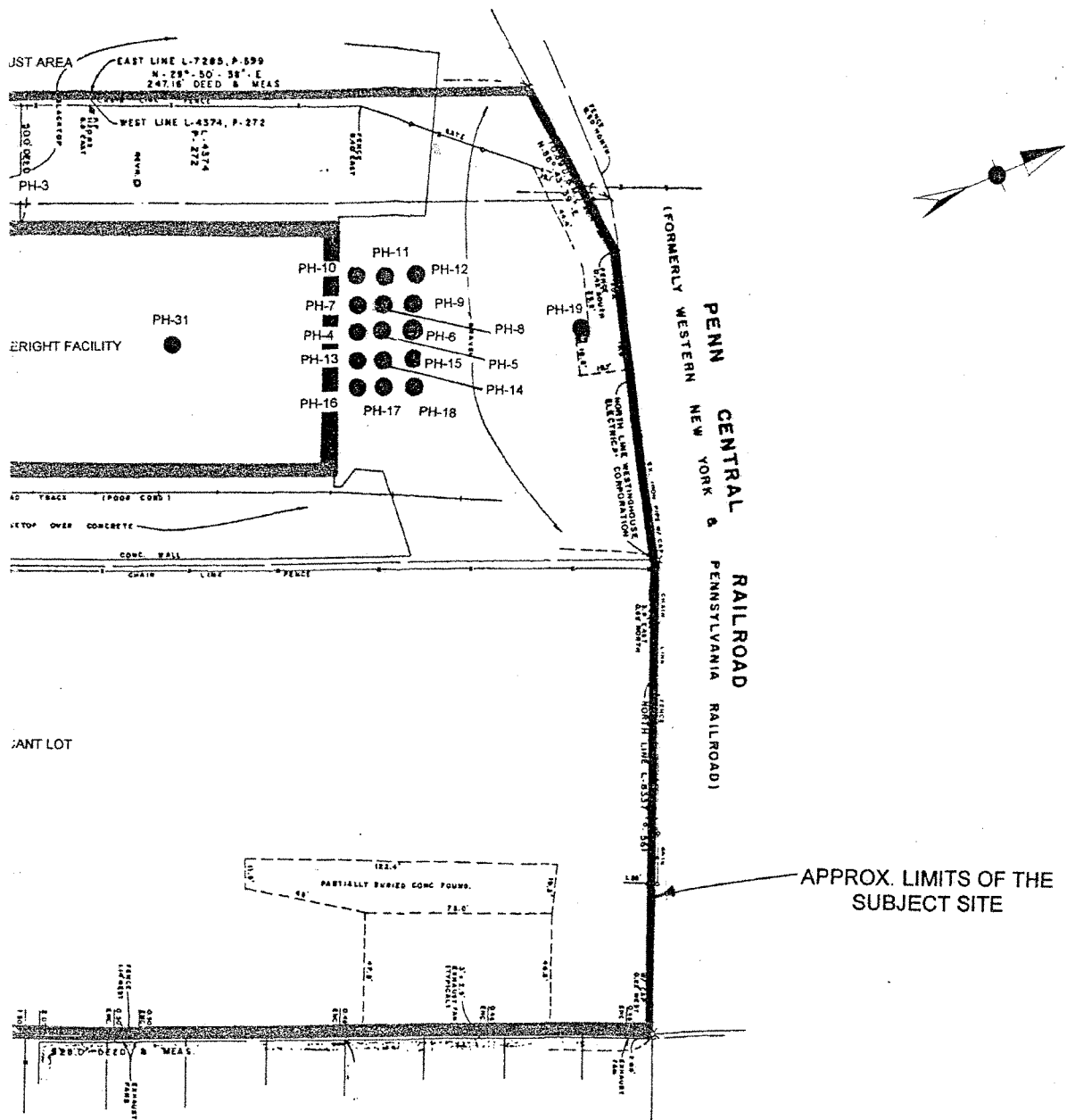
Location: 042° 50' 59.4" N 078° 48' 56.7" W
 Caption: Fibreright Manufacturing
 1132 Seneca Street
 Buffalo, NY
 Drawing No. 1

Copyright (C) 1997, Maptech, Inc.

SENECA STREET



THIS PLAN WAS ADAPTED FROM A SURVEY P
MANUFACTURING, INC. AND COMPLETED BY MC



APPLIED BY FIBRERIGHT
H & MCINTOSH, P.C., DATED JUNE, 1996

EVERGREEN TESTING & ENVIRONMENTAL SERVICES, INC.

ENVIRONMENTAL EVALUATION
SITE PLAN AND PROBE HOLE LOCATION PLAN
FIBRERIGHT MANUFACTURING FACILITY
1132 SENECA STREET
CITY OF BUFFALO, NEW YORK

DRAWN BY: DBA

SCALE: 1" = 60'

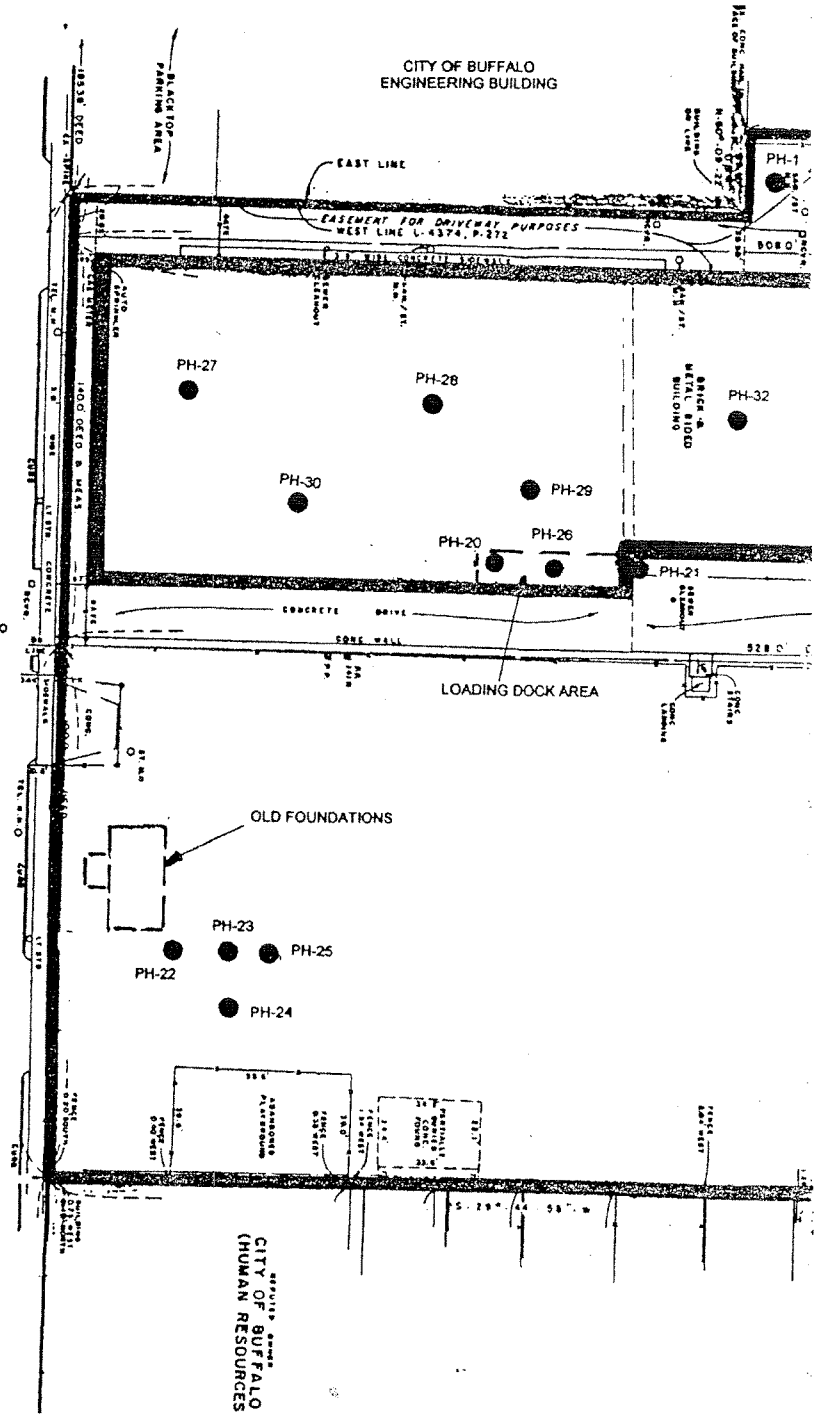
PROJ. NO.: ETE-01-98

CHECKED BY:

DATE: 9/01

DRWG. NO.: 2

SENECA STREET



THIS PLAN WAS ADAPTED FROM A SURVEY OF
MANUFACTURING, INC. AND COMPLETED BY M.

CONFIDENTIAL

APPENDIX B

LIMITATIONS

ATTACHMENT B

Limitations

1. Evergreen Testing & Environmental Services, Inc. (ETES) completed this limited Environmental Evaluation in accordance with generally accepted current practices of other consultants undertaking similar studies. ETES observed that degree of care and skill generally exercised by other consultants under similar circumstances and conditions. ETES's findings and conclusions must be considered not as scientific certainties but as probabilities based on our professional judgment concerning the significance of the limited data gathered during the course of the investigation. Specifically, ETES does not and cannot represent that the site contains no hazardous material, petroleum products, or other latent conditions beyond that observed by ETES during this Environmental Evaluation.
2. The observations described in this report were made under conditions stated therein. The conclusions presented in the report were based solely upon the services described therein and not tasks and procedures beyond the scope of described services or the time and budgetary constraints imposed by the client.
3. In preparing this report, ETES has relied on certain information provided by other consultants the State, County and City officials and other parties referenced herein and on information contained in the files of state and local agencies made available to ETES at the time of the study.
4. Observations were made of the subject site and on adjacent sites as indicated within the report. Where access to portions of the site or the structures on adjacent sites were limited or unavailable, ETES renders no opinion as to the presence of hazardous materials in that portion of the site or adjacent structures.
5. Unless otherwise specified in the report, ETES did not complete testing or analyses to determine the presence or concentrations of hazardous chemicals compounds, petroleum products, asbestos or radon.
6. No specific attempt was made to check on the compliance of present or past owners or operators of the site with Federal, State, or Local laws and regulations, environmental or otherwise.

7. The generalized subsurface profiles described in the report text are intended to convey trends in subsurface conditions. The boundaries between strata are approximate and idealized and have been developed by interpretations of widely spaced explorations and samples. Actual soil and rock transition are probably more gradual.
8. Groundwater level measurements have been made in the explorations and monitoring wells at the times and under conditions stated. It should be noted that fluctuations in the level of the groundwater may occur due to variations in rainfall, temperature and other factors occurring from the time measurements were made.
9. It should be noted that fluctuations in the concentrations of chemical compounds may occur due to variations in groundwater levels due to changes in rainfall, temperature and other factors occurring at the time samples were collected.
10. This report has been prepared for the exclusive use of Fibreright Manufacturing, Inc. and designated agents for the specific application to the subject property in accordance with generally accepted engineering practice. No other warranty, expressed or implied, is made. The environmental concerns noted in this report, if any, are applicable to the current identified proposed usage of the property.

APPENDIX C
GEOPHYSICAL REPORT

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BARRON & ASSOCIATES, P.C.

10440 Main Street
Clarence, New York 14031

Tel: (716) 759-7821

Fax: (716) 759-7823

August 3, 2001

Job No.: 01-1302

Evergreen Testing & Environmental Services, Inc.
P.O. Box 482
Orchard Park, New York 14127

ATTN: Mr. Don Abrams

RE: **REPORT:** *Geophysical (EM-61 Magnetometer) Survey,
1132 Seneca Street, Buffalo, New York*

Barron & Associates, P.C. (B&A) has undertaken a preliminary geophysical survey for the above-referenced project site on July 31, 2001. The location and result of the geophysical survey are schematically presented on attached Figures #1 through #4.

The geophysical survey consisted of utilizing a Geonics Model EM-61 magnetometer for the purpose of identifying the location of any magnetic anomalies which may be potentially associated with underground storage tanks (USTs). It should be noted that the geophysical survey was undertaken in the accessible areas of the subject property. The eastern portion of the survey area is heavily grassed and some survey lines could not be undertaken due to this grass. In addition, surface obstructions, notably a gym (playground) set at the eastern portion of the survey area precluded the survey being undertaken in this area. Thus, no representations are made for areas at the fringes of the survey grid lines with respect to potential near-surface or subsurface anomalies.

Geophysical Investigation

A Geonics Model EM-61 magnetometer was utilized to undertake the geophysical survey of the accessible areas of the subject property. The EM-61 is a highly sensitive, two-antenna magnetometer, which is capable of detecting both ferrous (i.e., iron, steel) and non-ferrous (i.e., copper, aluminum) objects which may be associated with underground USTs, drums, etc. The recorded time-domain data does not distinguish between the ferrous and non-ferrous anomalies which were encountered, nor are any interpretations made as to the source or type of anomaly as part of this preliminary survey.

The survey was undertaken at the property by means of obtaining readings along a grid system with a typical five (5) foot spacing for each survey area. The survey grid origin point for each area is shown on the attached Figures # 1 and #3. All remaining survey lines are referenced to this origin point, and the magnetometer survey progressed generally northward from this origin point. The EM-61 was programmed to obtain total (i.e., bottom) and top (differential) magnetic readings every 0.63 feet along each of the respective grid lines. The magnetic readings were stored in a data logger during the field activities. Subsequently, the data was downloaded via a laptop computer, and the data was processed by means of a computer gridding program. The results of the EM-61 survey for the property consist of plan views (refer to Figures #1 and #3), and three-dimensional (3-D) views (refer to Figures #2 and #4) produced by means of gridding the bottom and differential magnetic data points with a modeling program known as QuikGrid™ Version 4.4 (2000).

Mr. Don Abrams
August 3, 2001
Page 2

EM-61 Survey Results

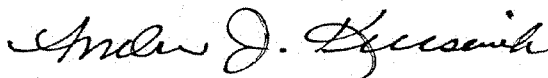
Based on the results of the EM-61 surveys, Figures #1 and #3 (plan views) and Figures #2 and #4 (3-D views), the presence of at least five (5) anomalies, some or all possibly associated with former underground storage tank (USTs), were identified for the subject property. The locations of the anomalies are referenced to the survey origin point, and the potential source of the anomalies are listed in the attached Table #1.

Conclusions and Recommendations

Barron & Associates, P.C. (B&A) has undertaken a Geophysical Survey of part of the currently undeveloped property at 1132 Seneca Street in Buffalo, New York. Based on the preliminary geophysical data, two (2) suspected anomalies have been identified for the subject property. A subsequent limited subsurface investigation is recommended for the subject property to verify the source of anomalies "C" and "E."

Thank you for the opportunity to assist you with this project. Please call the undersigned at your earliest convenience, if questions arise concerning this correspondence.

Yours truly,
BARRON & ASSOCIATES, P.C.



Andrew J. Kucserik, CPG, PG
Senior Geologist
Director of Environmental Services

enc. Site Topographic Map
 Figures #1 through #4
 Table No. 1 - List of Anomalies

Tel.: (716) 649-9474
Fax: (716) 648-3521

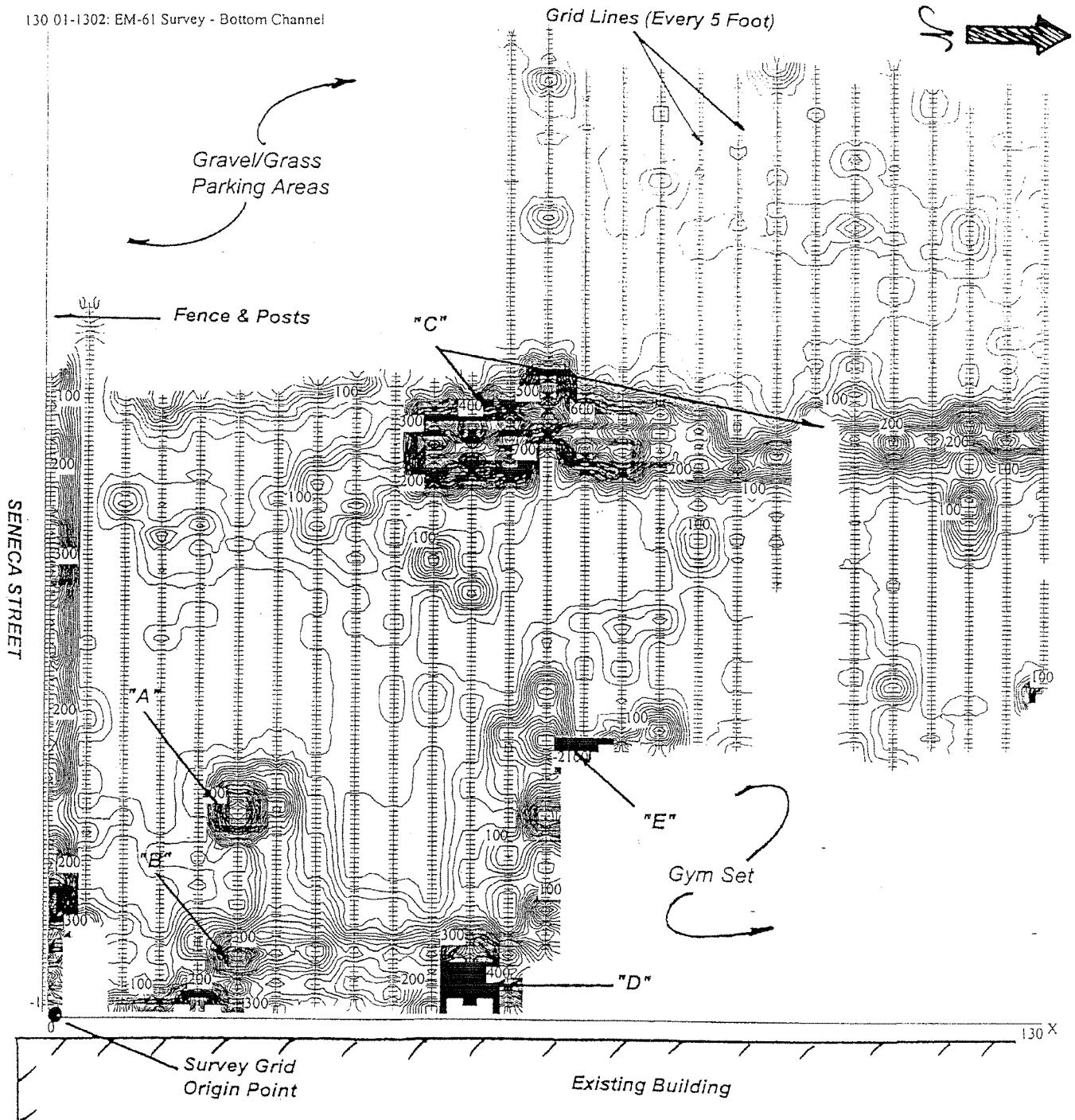
TABLE NO. 1

**LOCATION OF SUSPECTED MAGNETIC ANOMALIES
BASED ON EM-61 SURVEY AND QUIKGRID™ RESULTS**

ANOMALY AREA	NORTHING (Feet) (Note 1)	WESTING (Feet) (Note 2)	POTENTIAL ANOMALY SOURCE
"A"	+27.2±	+24.2±	Concrete pad
"B"	+8.1±	+21.8±	Concrete pad
"C"	+45.6 - 126.6±	+78.3 - 77.6±	Underground utilities/foundations
"D"	+1±	+55.4±	Concrete pad/door
"E"	+35.9±	+66.5±	Unknown

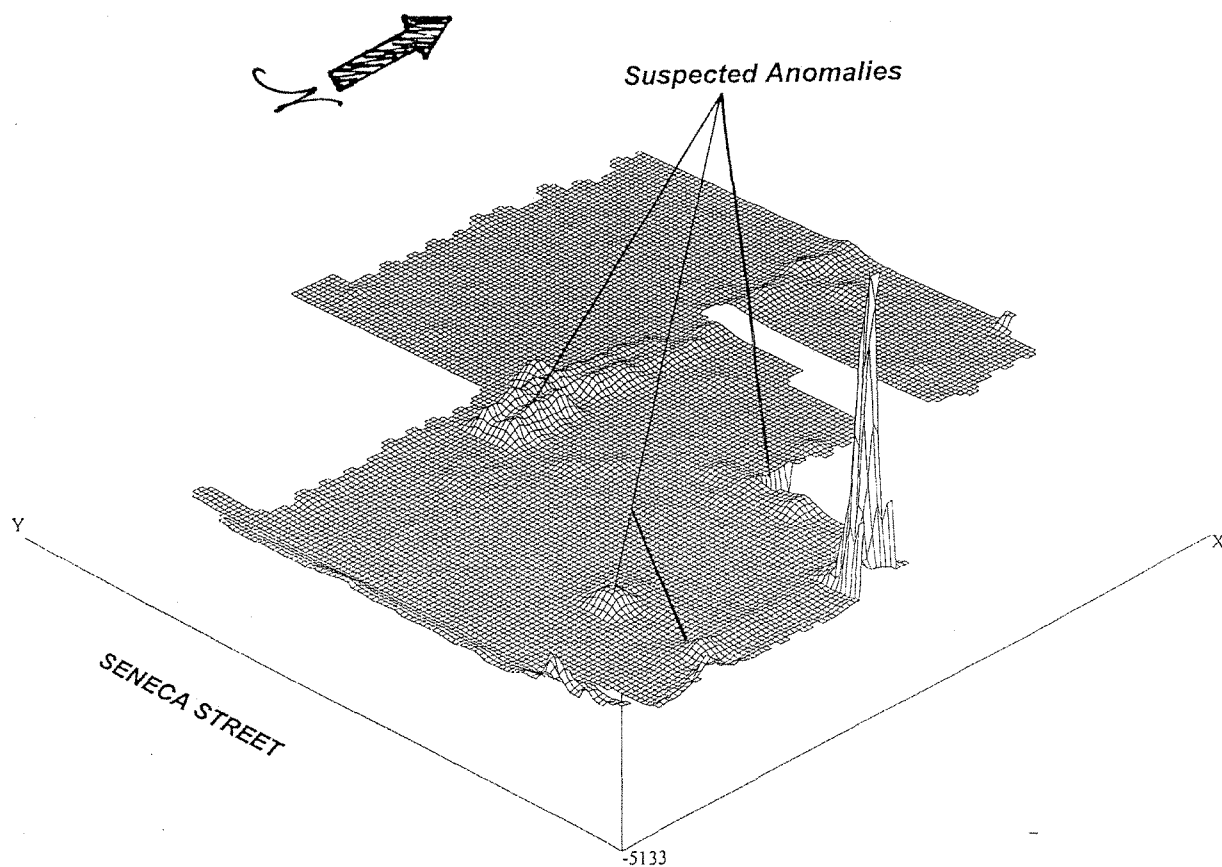
NOTE 1: These dimensions are referenced to the Survey Origin Point (refer to Figures #1 and #3) where a positive dimension indicates a distance to the north of the Survey Origin Point.

NOTE 2: These dimensions are referenced to the Survey Origin Point (refer to Figures #1 and #3) where a positive dimension indicates a distance to the west of the Survey Origin Point.

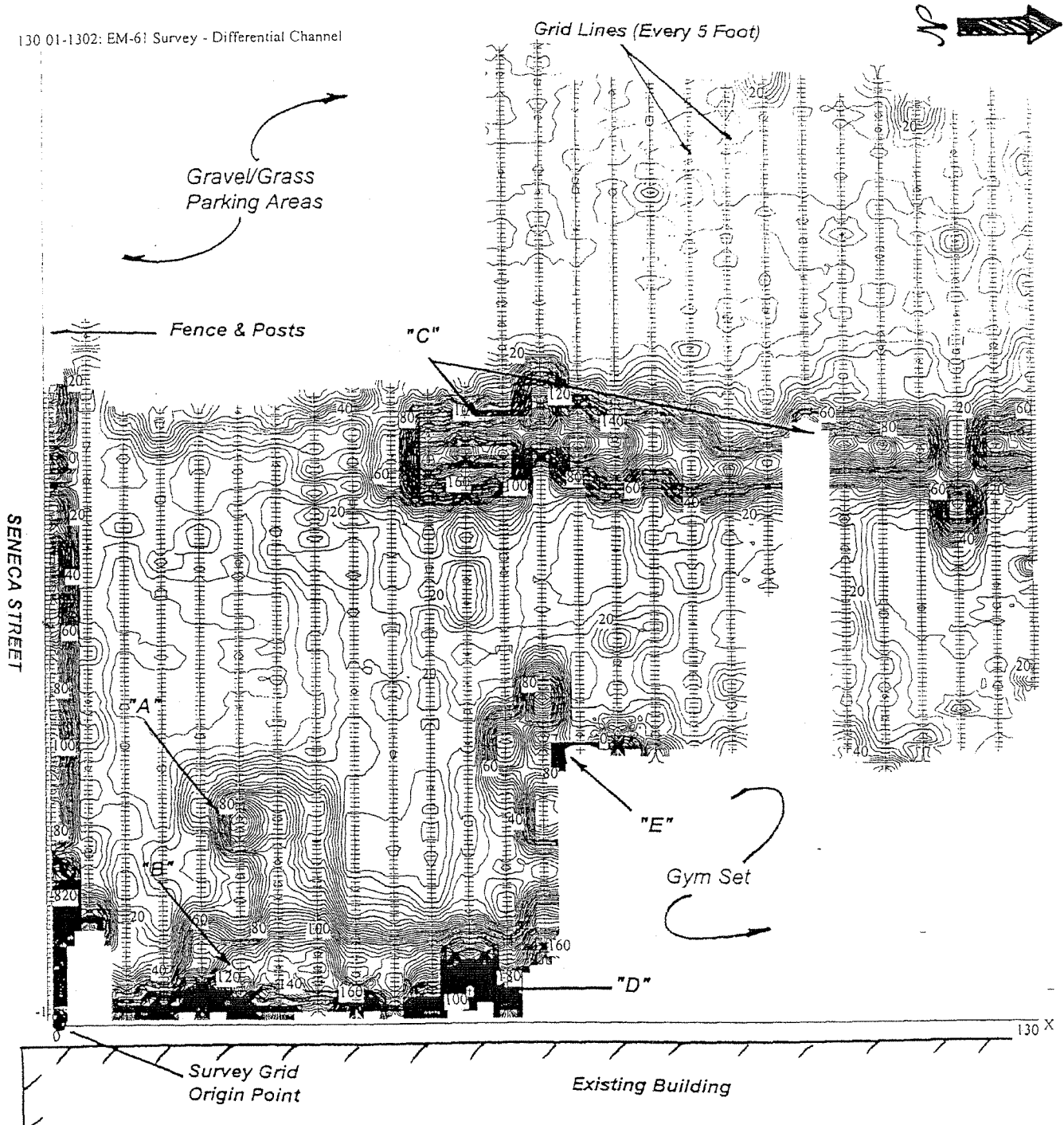


BARRON & ASSOCIATES, P.C. 10440 MAIN STREET CLARENCE, NEW YORK 14031	EM-61 Magnetometer Survey 1132 Seneca Street, Buffalo, New York	FIGURE: 1 "Plan" View (Bottom Channel)
JOB NO.: 01-1302 DATE: 8/3/2001	Contour Interval: 100 millivolts	SCALE: 1" = 18.3'±

01-1302: EM-61 Survey - Bottom Channel (A=315, E=30)

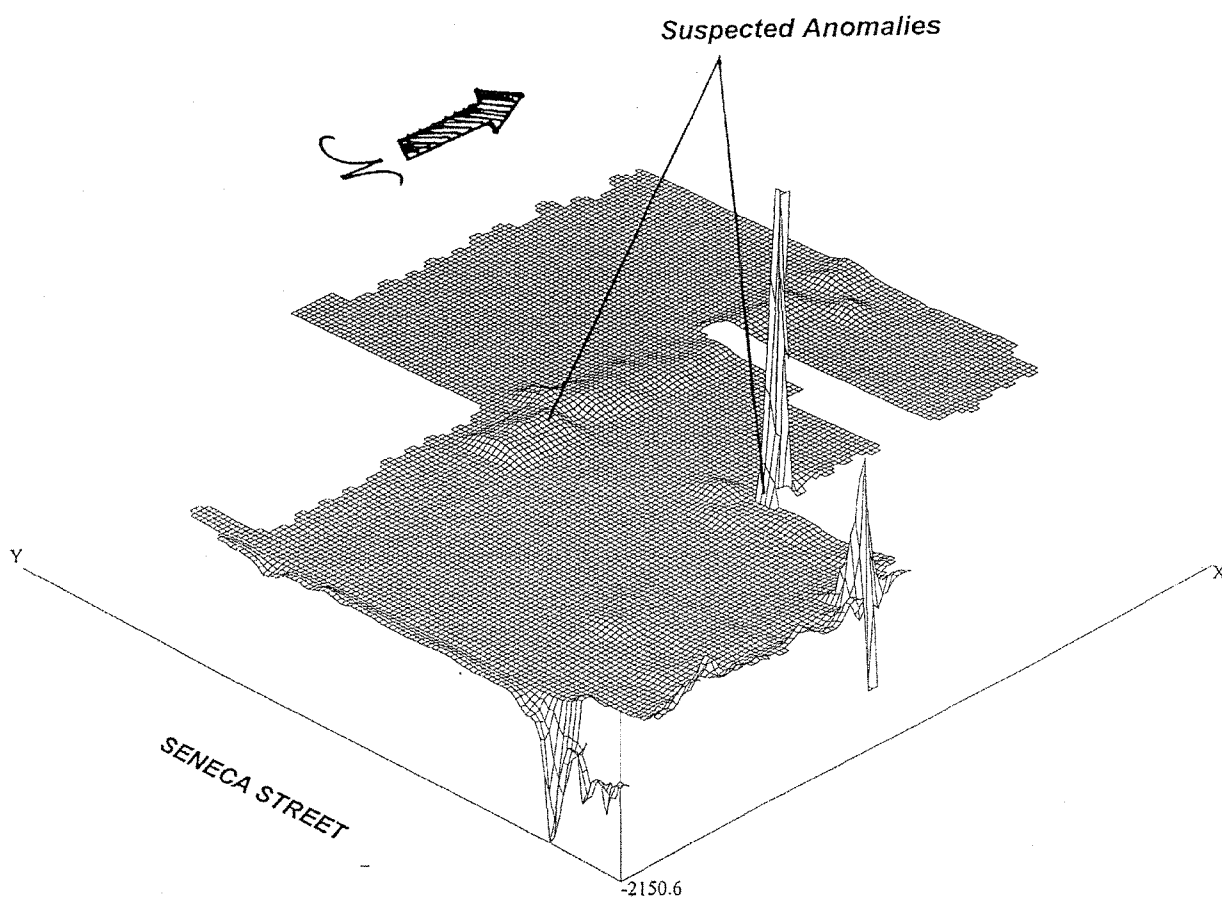


BARRON & ASSOCIATES, P.C. 10440 MAIN STREET CLARENCE, NEW YORK 14031	EM-61 Magnetometer Survey 1132 Seneca Street, Buffalo, New York	FIGURE: 2 "3-D" View (Bottom Channel)
JOB NO.: 01-1302 DATE: 8/3/2001	Contour Interval: N/A	SCALE: None

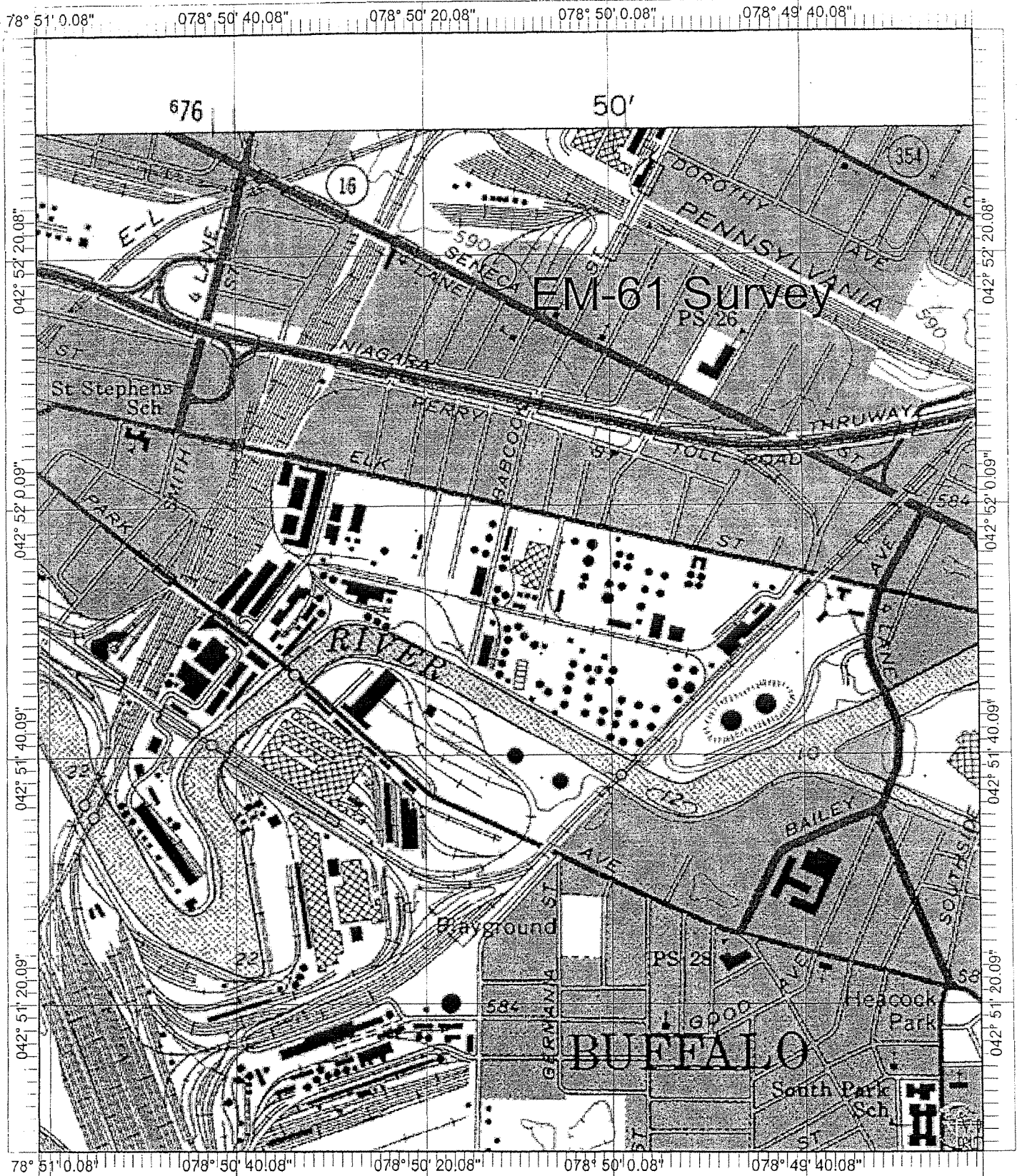


BARRON & ASSOCIATES, P.C. 10440 MAIN STREET CLARENCE, NEW YORK 14031	EM-61 Magnetometer Survey 1132 Seneca Street, Buffalo, New York	FIGURE: 3 "Plan" View (Differential Channel)
JOB NO.: 01-1302 DATE: 8/3/2001	Contour Interval: 20 Millivolts	SCALE: 1" = 18.3'±

01-1302: EM-61 Survey - Differential Channel (A=315, E=30)



BARRON & ASSOCIATES, P.C. 10440 MAIN STREET CLARENCE, NEW YORK 14031	EM-61 Magnetometer Survey 1132 Seneca Street, Buffalo, New York	FIGURE: 4 "3-D" View (Differential Channel)
JOB NO.: 01-1302 DATE: 8/3/2001	Contour Interval: N/A	SCALE: None



<Default> - 1 Markers, Length = 0 feet

EM-61 Survey - 042.8718862° N, 078.8366844° W

Name: BUFFALO SE

Location: 042.8647463° N 078.8364912° W

Date: 8/3/101

Scale: 1 inch equals 1000 feet

APPENDIX D

BORING LOG DATA

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TESTING & ENVIRONMENTAL SERVICES

BORING LOG DATA

PROJECT NAME: Fibreright Mft. Inc.	PROJECT NO.: ETE-01-98
LOCATION: 1132 Seneca St., Buffalo, NY	BOREHOLE NO.: PH-1
DRILLING METHOD: Geoprobe	DATE: 8-31-01
SAMPLING METHOD: Macro Core Sampler	TIME: 0830
TOTAL BORING DEPTH: 11.0'	DEPTH OF WATER: None
LOGGED BY: D. Abrams	BACKFILL: Borehole Spoil

Depth Interval (Feet)	PID Reading (ppm)	Description
* 0 - 4	BG	Gravel & Sand, Brick Backfill
* 4 - 8	BG	Gray Silt & Clay Fill
8 - 12	BG	Gray Silt & Clay Fill
		Refusal @ 11.0'

REMARKS:

Former UST Area

* - No Chemical / Petroleum Like Odors

594 Broadway Watervliet, NY 12189 Voice 518-266-0310 Fax 518-266-9238

PO Box 482 Orchard Park, NY 14127 Voice 716-649-9474 Fax 716-648-3521



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TESTING & ENVIRONMENTAL SERVICES

BORING LOG DATA

PROJECT NAME: Fibreright Mft. Inc.	PROJECT NO.: ETE-01-98
LOCATION: 1132 Seneca St., Buffalo, NY	BOREHOLE NO.: PH-2
DRILLING METHOD: Geoprobe	DATE: 8-30-01
SAMPLING METHOD: Macro Core Sampler	TIME: 0930
TOTAL BORING DEPTH: 12.0'	DEPTH OF WATER: 6"
LOGGED BY: D. Abrams	BACKFILL: Borehole Spoil

Depth Interval (Feet)	PID Reading (ppm)	Description
0' - 4'	BG	Brown/ Black Clay, Brick Silt & Gravel (Fill)
4' - 8'	BG	Gravel, Cinders, Gray Silt & Clay, Fill, Wet
8' - 12'	BG	Wet, Gravel & Clay, Fill

REMARKS:

Former Tank Area

No Chemical /Petroleum Like Odors

594 Broadway Watervliet, NY 12189 Voice 518-266-0310 Fax 518-266-9238

PO Box 482 Orchard Park, NY 14127 Voice 716-649-9474 Fax 716-648-3521



evergreen

TESTING & ENVIRONMENTAL SERVICES

BORING LOG DATA

PROJECT NAME: Fibreright Mft. Inc.	PROJECT NO.: ETE-01-98
LOCATION: 1132 Seneca St., Buffalo, NY	BOREHOLE NO.: PH-3
DRILLING METHOD: Geoprobe	DATE: 8-30-01
SAMPLING METHOD: Macro Core Sampler	TIME: 0930
TOTAL BORING DEPTH: 4.0'	DEPTH OF WATER: 8"
LOGGED BY: D. Abrams	BACKFILL: Borehole Spoil

Depth Interval (Feet)	PID Reading (ppm)	Description
0' - 4'	BG	Fill, Gravel & Sand, Silt & Clay at 3.0'

REMARKS:

Former Utility Trench from Former UST To Building

594 Broadway Watervliet, NY 12189 Voice 518-266-0310 Fax 518-266-9238

PO Box 482 Orchard Park, NY 14127 Voice 716-649-9474 Fax 716-648-3521



evergreen

TESTING & ENVIRONMENTAL SERVICES

BORING LOG DATA

PROJECT NAME: Fibreright Mft. Inc.	PROJECT NO.: ETE-01-98
LOCATION: 1132 Seneca St., Buffalo, NY	BOREHOLE NO.: PH-4
DRILLING METHOD: Geoprobe	DATE: 8-30-01
SAMPLING METHOD: Macro Core Sampler	TIME: 1000
TOTAL BORING DEPTH: 8.0'	DEPTH OF WATER: 3'
LOGGED BY: D. Abrams	BACKFILL: Borehole Spoil

Depth Interval (Feet)	PID Reading (ppm)	Description
0' - 4'	BG	Black Cinders, Fill, Wet
4' - 8'	BG	Clay @ 6.0'

REMARKS:

594 Broadway Watervliet, NY 12189 Voice 518-266-0310 Fax 518-266-9238

PO Box 482 Orchard Park, NY 14127 Voice 716-649-9474 Fax 716-648-3521



evergreen

TESTING & ENVIRONMENTAL SERVICES

BORING LOG DATA

PROJECT NAME: Fibreright Mft. Inc.	PROJECT NO.: ETE-01-98
LOCATION: 1132 Seneca St., Buffalo, NY	BOREHOLE NO.: PH-5
DRILLING METHOD: Geoprobe	DATE: 8-30-01
SAMPLING METHOD: Macro Core Sampler	TIME: 1030
TOTAL BORING DEPTH: 8.0'	DEPTH OF WATER: 4'
LOGGED BY: D. Abrams	BACKFILL: Borehole Spoil

Depth Interval (Feet)	PID Reading (ppm)	Description
0' - 4'	BG	Black Cinders, Fill, Wet
4' - 8'	BG	Gray / Brown Clay 5.5'

REMARKS:

594 Broadway Watervliet, NY 12189 Voice 518-266-0310 Fax 518-266-9238

PO Box 482 Orchard Park, NY 14127 Voice 716-649-9474 Fax 716-648-3521



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TESTING & ENVIRONMENTAL SERVICES

BORING LOG DATA

PROJECT NAME: Fibreright Mft. Inc.	PROJECT NO.: ETE-01-98
LOCATION: 1132 Seneca St., Buffalo, NY	BOREHOLE NO.: PH-6
DRILLING METHOD: Geoprobe	DATE: 8-30-01
SAMPLING METHOD: Macro Core Sampler	TIME: 1045
TOTAL BORING DEPTH: 8.0'	DEPTH OF WATER: None
LOGGED BY: D. Abrams	BACKFILL: Borehole Spoil

Depth Interval (Feet)	PID Reading (ppm)	Description
0' - 4'	BG	Black Cinders, Fill
4' - 8'	BG	Gray / Brown Clay 4.5'

REMARKS:

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TESTING & ENVIRONMENTAL SERVICES

BORING LOG DATA

PROJECT NAME: Fibreright Mft. Inc.	PROJECT NO.: ETE-01-98
LOCATION: 1132 Seneca St., Buffalo, NY	BOREHOLE NO.: PH-7
DRILLING METHOD: Geoprobe	DATE: 8-30-01
SAMPLING METHOD: Macro Core Sampler	TIME: 1100
TOTAL BORING DEPTH: 8.0'	DEPTH OF WATER: None
LOGGED BY: D. Abrams	BACKFILL: Borehole Spoil

Depth Interval (Feet)	PID Reading (ppm)	Description
0' - 4'	BG	Black Cinders, Fill
4' - 8'	BG	Gray / Brown Clay & Silt at 5.0'

REMARKS:

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TESTING & ENVIRONMENTAL SERVICES

BORING LOG DATA

PROJECT NAME: Fibreright Mft. Inc.	PROJECT NO.: ETE-01-98
LOCATION: 1132 Seneca St., Buffalo, NY	BOREHOLE NO.: PH-8
DRILLING METHOD: Geoprobe	DATE: 8-30-01
SAMPLING METHOD: Macro Core Sampler	TIME: 1115
TOTAL BORING DEPTH: 8.0'	DEPTH OF WATER: None
LOGGED BY: D. Abrams	BACKFILL: Borehole Spoil

Depth Interval (Feet)	PID Reading (ppm)	Description
0' - 4'	BG	Black Cinders, Brick, Concrete, Fill
4' - 8'	BG	Gray / Brown Clay & Silt Mottled at 5.0'

REMARKS:

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TESTING & ENVIRONMENTAL SERVICES

BORING LOG DATA

PROJECT NAME: Fibreright Mft. Inc.	PROJECT NO.: ETE-01-98
LOCATION: 1132 Seneca St., Buffalo, NY	BOREHOLE NO.: PH-9
DRILLING METHOD: Geoprobe	DATE: 8-30-01
SAMPLING METHOD: Macro Core Sampler	TIME: 1130
TOTAL BORING DEPTH: 8.0'	DEPTH OF WATER: None
LOGGED BY: D. Abrams	BACKFILL: Borehole Spoil

Depth Interval (Feet)	PID Reading (ppm)	Description
0' - 4'	BG	Brick, Concrete, Cinders, Fill
4' - 6'	BG	Brown / Gray Mottled & Layered Clay

REMARKS:

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TESTING & ENVIRONMENTAL SERVICES

BORING LOG DATA

PROJECT NAME: Fibreright Mft. Inc.	PROJECT NO.: ETE-01-98
LOCATION: 1132 Seneca St., Buffalo, NY	BOREHOLE NO.: PH-10
DRILLING METHOD: Geoprobe	DATE: 8-30-01
SAMPLING METHOD: Macro Core Sampler	TIME: 1145
TOTAL BORING DEPTH: 8.0'	DEPTH OF WATER: None
LOGGED BY: D. Abrams	BACKFILL: Borehole Spoil

Depth Interval (Feet)	PID Reading (ppm)	Description
0' - 4'	BG	Black Cinders, Brick, Clay, Fill
4' - 6'	BG	Gray / Brown Silt & Clay, Mottled - Layered

REMARKS:

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TESTING & ENVIRONMENTAL SERVICES

BORING LOG DATA

PROJECT NAME: Fibreright Mft. Inc.	PROJECT NO.: ETE-01-98
LOCATION: 1132 Seneca St., Buffalo, NY	BOREHOLE NO.: PH-11
DRILLING METHOD: Geoprobe	DATE: 8-30-01
SAMPLING METHOD: Macro Core Sampler	TIME: 1300
TOTAL BORING DEPTH: 6.0'	DEPTH OF WATER: None
LOGGED BY: D. Abrams	BACKFILL: Borehole Spoil

Depth Interval (Feet)	PID Reading (ppm)	Description
0' - 4'	BG	Black Cinders, Brick, Fill
4' - 6'	BG	Brown / Gray Clay at 4.5'

REMARKS:

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TESTING & ENVIRONMENTAL SERVICES

BORING LOG DATA

PROJECT NAME: Fibreright Mft. Inc.	PROJECT NO.: ETE-01-98
LOCATION: 1132 Seneca St., Buffalo, NY	BOREHOLE NO.: PH-12
DRILLING METHOD: Geoprobe	DATE: 8-30-01
SAMPLING METHOD: Macro Core Sampler	TIME: 1315
TOTAL BORING DEPTH: 6.0'	DEPTH OF WATER: None
LOGGED BY: D. Abrams	BACKFILL: Borehole Spoil

Depth Interval (Feet)	PID Reading (ppm)	Description
0' - 4'	BG	Black Cinders, Wood, Brick, Fill
4' - 6'	BG	Gray / Brown Silt & Clay

REMARKS:

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TESTING & ENVIRONMENTAL SERVICES

BORING LOG DATA

PROJECT NAME: Fibreright Mft. Inc.	PROJECT NO.: ETE-01-98
LOCATION: 1132 Seneca St., Buffalo, NY	BOREHOLE NO.: PH-13
DRILLING METHOD: Geoprobe	DATE: 8-30-01
SAMPLING METHOD: Macro Core Sampler	TIME: 1330
TOTAL BORING DEPTH: 6.0'	DEPTH OF WATER: None
LOGGED BY: D. Abrams	BACKFILL: Borehole Spoil

Depth Interval (Feet)	PID Reading (ppm)	Description
0' - 4'	BG	Black Cinders, Brick, Fill
4' - 6'	BG	Brown / Gray Clay at 5.5'

REMARKS:

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TESTING & ENVIRONMENTAL SERVICES

BORING LOG DATA

PROJECT NAME: Fibreright Mft. Inc.	PROJECT NO.: ETE-01-98
LOCATION: 1132 Seneca St., Buffalo, NY	BOREHOLE NO.: PH-15
DRILLING METHOD: Geoprobe	DATE: 8-30-01
SAMPLING METHOD: Macro Core Sampler	TIME: 1400
TOTAL BORING DEPTH: 6.0'	DEPTH OF WATER: None
LOGGED BY: D. Abrams	BACKFILL: Borehole Spoil

Depth Interval (Feet)	PID Reading (ppm)	Description
0' - 4'	BG	Black Cinders, Brick, Fill
4' - 6'	BG	Brown / Gray Clay at 4.5'

REMARKS:

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TESTING & ENVIRONMENTAL SERVICES

BORING LOG DATA

PROJECT NAME: Fibreright Mft. Inc.	PROJECT NO.: ETE-01-98
LOCATION: 1132 Seneca St., Buffalo, NY	BOREHOLE NO.: PH-16
DRILLING METHOD: Geoprobe	DATE: 8-30-01
SAMPLING METHOD: Macro Core Sampler	TIME: 1430
TOTAL BORING DEPTH: 6.0'	DEPTH OF WATER: None
LOGGED BY: D. Abrams	BACKFILL: Borehole Spoil

Depth Interval (Feet)	PID Reading (ppm)	Description
0' - 4'	BG	Black Cinders, Brick, Fill to 4.0'
4' - 6'	BG	Brown / Gray Silt & Clay

REMARKS:

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TESTING & ENVIRONMENTAL SERVICES

BORING LOG DATA

PROJECT NAME: Fibreright Mft. Inc.	PROJECT NO.: ETE-01-98
LOCATION: 1132 Seneca St., Buffalo, NY	BOREHOLE NO.: PH-17
DRILLING METHOD: Geoprobe	DATE: 8-30-01
SAMPLING METHOD: Macro Core Sampler	TIME: 1445
TOTAL BORING DEPTH: 6.0'	DEPTH OF WATER: None
LOGGED BY: D. Abrams	BACKFILL: Borehole Spoil

Depth Interval (Feet)	PID Reading (ppm)	Description
0' - 4'	BG	Black Cinders, Backfill
4' - 6'	BG	Brown / Gray Silt & Clay

REMARKS:

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TESTING & ENVIRONMENTAL SERVICES

BORING LOG DATA

PROJECT NAME: Fibreright Mft. Inc.	PROJECT NO.: ETE-01-98
LOCATION: 1132 Seneca St., Buffalo, NY	BOREHOLE NO.: PH-16
DRILLING METHOD: Geoprobe	DATE: 8-30-01
SAMPLING METHOD: Macro Core Sampler	TIME: 1430
TOTAL BORING DEPTH: 6.0'	DEPTH OF WATER: None
LOGGED BY: D. Abrams	BACKFILL: Borehole Spoil

Depth Interval (Feet)	PID Reading (ppm)	Description
0' - 4'	BG	Black Cinders, Brick, Fill to 4.0'
4' - 6'	BG	Brown / Gray Silt & Clay

REMARKS:

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TESTING & ENVIRONMENTAL SERVICES

BORING LOG DATA

PROJECT NAME: Fibreright Mft. Inc.	PROJECT NO.: ETE-01-98
LOCATION: 1132 Seneca St., Buffalo, NY	BOREHOLE NO.: PH-18
DRILLING METHOD: Geoprobe	DATE: 8-30-01
SAMPLING METHOD: Macro Core Sampler	TIME: 1500
TOTAL BORING DEPTH: 6.0'	DEPTH OF WATER: None
LOGGED BY: D. Abrams	BACKFILL: Borehole Spoil

Depth Interval (Feet)	PID Reading (ppm)	Description
0' - 4'	BG	Brick, Black Cinders, Fill
4' - 6'	BG	Brown / Gray Silt & Clay at 4.0'

REMARKS:

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TESTING & ENVIRONMENTAL SERVICES

BORING LOG DATA

PROJECT NAME: Fibreright Mft. Inc.	PROJECT NO.: ETE-01-98
LOCATION: 1132 Seneca St., Buffalo, NY	BOREHOLE NO.: PH-19
DRILLING METHOD: Geoprobe	DATE: 8-30-01
SAMPLING METHOD: Macro Core Sampler	TIME: 1530
TOTAL BORING DEPTH: 6.0'	DEPTH OF WATER: None
LOGGED BY: D. Abrams	BACKFILL: Borehole Spoil

Depth Interval (Feet)	PID Reading (ppm)	Description
0' - 4'	BG	Black Cinders, Brick Fill
4' - 6'	BG	Brown / Gray Silt & Clay at 4.5'

REMARKS:

Adjacent to concrete slab and concrete drive in the rear of the property.

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TESTING & ENVIRONMENTAL SERVICES

BORING LOG DATA

PROJECT NAME: Fibreright Mft. Inc.	PROJECT NO.: ETE-01-98
LOCATION: 1132 Seneca St., Buffalo, NY	BOREHOLE NO.: PH-21
DRILLING METHOD: Geoprobe	DATE: 8-30-01
SAMPLING METHOD: Macro Core Sampler	TIME: 1630
TOTAL BORING DEPTH: 6.0'	DEPTH OF WATER: None
LOGGED BY: D. Abrams	BACKFILL: Borehole Spoil

Depth Interval (Feet)	PID Reading (ppm)	Description
0' - 4'	BG	.3 Asphalt / .5' Concrete - Brown Gray Clay at 3.0'
4' - 7'	BG	Brown / Gray Clay

REMARKS:

Outside Load Dock Area
No petroleum like odor

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TESTING & ENVIRONMENTAL SERVICES

BORING LOG DATA

PROJECT NAME: Fibreright Mft. Inc.	PROJECT NO.: ETE-01-98
LOCATION: 1132 Seneca St., Buffalo, NY	BOREHOLE NO.: PH-22
DRILLING METHOD: Geoprobe	DATE: 8-31-01
SAMPLING METHOD: Macro Core Sampler	TIME: 0830
TOTAL BORING DEPTH: 8.0'	DEPTH OF WATER: None
LOGGED BY: D. Abrams	BACKFILL: Borehole Spoil

Depth Interval (Feet)	PID Reading (ppm)	Description
0' - 4'	BG	1.5' Topsoil (Fill) Gravel, Brick, Brown Silt & Clay
4' - 7'	BG	Brown Silt & Clay, Mottled Layered at 6.5'

REMARKS:

Adjacent Property

No Chemical / Petroleum Like Odors and / or Staining

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TESTING & ENVIRONMENTAL SERVICES

BORING LOG DATA

PROJECT NAME: Fibreright Mft. Inc.	PROJECT NO.: ETE-01-98
LOCATION: 1132 Seneca St., Buffalo, NY	BOREHOLE NO.: PH-23
DRILLING METHOD: Geoprobe	DATE: 8-31-01
SAMPLING METHOD: Macro Core Sampler	TIME: 0845
TOTAL BORING DEPTH: 8.0'	DEPTH OF WATER: None
LOGGED BY: D. Abrams	BACKFILL: Borehole Spoil

Depth Interval (Feet)	PID Reading (ppm)	Description
0' - 4'	BG	Fill to 1.5' - Brick, Cinders. Brown Clay & Silt Mottled
4' - 7'	5-8	Brown - Gray Silt & Clay Layered at 6.5'
		* - Gray Layer about 4.5' to 5.5'
		Slight Petroleum Like Odor

REMARKS:

Adjacent Property

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TESTING & ENVIRONMENTAL SERVICES

BORING LOG DATA

PROJECT NAME: Fibreright Mft. Inc.	PROJECT NO.: ETE-01-98
LOCATION: 1132 Seneca St., Buffalo, NY	BOREHOLE NO.: PH-24
DRILLING METHOD: Geoprobe	DATE: 8-31-01
SAMPLING METHOD: Macro Core Sampler	TIME: 0900
TOTAL BORING DEPTH: 8.0'	DEPTH OF WATER: None
LOGGED BY: D. Abrams	BACKFILL: Borehole Spoil

Depth Interval (Feet)	PID Reading (ppm)	Description
0' - 4'	BG	Fill to 1.5' - Brown Silt & Clay
4' - 7'	4-5	Gray / Brown Clay & Silt. Very Slight Petroleum Odor.

REMARKS:

Adjacent Property

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TESTING & ENVIRONMENTAL SERVICES

BORING LOG DATA

PROJECT NAME: Fibreright Mft. Inc.	PROJECT NO.: ETE-01-98
LOCATION: 1132 Seneca St., Buffalo, NY	BOREHOLE NO.: PH-25
DRILLING METHOD: Geoprobe	DATE: 8-31-01
SAMPLING METHOD: Macro Core Sampler	TIME: 0915
TOTAL BORING DEPTH: 7.0'	DEPTH OF WATER: None
LOGGED BY: D. Abrams	BACKFILL: Borehole Spoil

Depth Interval (Feet)	PID Reading (ppm)	Description
0' - 4'	BG	Fill - 2' Between Clay & Silt
4' - 7'	BG	Gray Brown Clay Layered - 6.5'

REMARKS:

Adjacent property

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TESTING & ENVIRONMENTAL SERVICES

BORING LOG DATA

PROJECT NAME: Fibreright Mft. Inc.	PROJECT NO.: ETE-01-98
LOCATION: 1132 Seneca St., Buffalo, NY	BOREHOLE NO.: PH-26
DRILLING METHOD: Geoprobe	DATE: 8-31-01
SAMPLING METHOD: Macro Core Sampler	TIME: 1000
TOTAL BORING DEPTH: 7.0'	DEPTH OF WATER: None
LOGGED BY: D. Abrams	BACKFILL: Borehole Spoil

Depth Interval (Feet)	PID Reading (ppm)	Description
0' - 4'	20-25	Concrete 0.3', Gravel, Petroleum Odor Gray / Brown Clay & silt Layered at 2.5' - *
4' - 7'	BG	Brown / Gray Silt & Clay

REMARKS:

Inside Loading Dock Area

* - 0.8 to 1.0' Layer of Petroleum impacted coarse sand and gravel

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TESTING & ENVIRONMENTAL SERVICES

BORING LOG DATA

PROJECT NAME: Fibreright Mft. Inc.	PROJECT NO.: ETE-01-98
LOCATION: 1132 Seneca St., Buffalo, NY	BOREHOLE NO.: PH-27
DRILLING METHOD: Geoprobe	DATE: 8-31-01
SAMPLING METHOD: Macro Core Sampler	TIME: 1045
TOTAL BORING DEPTH: 7.0'	DEPTH OF WATER: None
LOGGED BY: D. Abrams	BACKFILL: Borehole Spoil

Depth Interval (Feet)	PID Reading (ppm)	Description
0' - 4'	BG	3" Concrete, Gray Silt & Clay Fill
4' - 7'	BG	Brown / Gray Silt & Clay Layered at 5.0'

REMARKS:

Inside Warehouse Building

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TESTING & ENVIRONMENTAL SERVICES

BORING LOG DATA

PROJECT NAME: Fibreright Mft. Inc.	PROJECT NO.: ETE-01-98
LOCATION: 1132 Seneca St., Buffalo, NY	BOREHOLE NO.: PH-28
DRILLING METHOD: Geoprobe	DATE: 8-31-01
SAMPLING METHOD: Macro Core Sampler	TIME: 1100
TOTAL BORING DEPTH: 7.0'	DEPTH OF WATER: None
LOGGED BY: D. Abrams	BACKFILL: Borehole Spoil

Depth Interval (Feet)	PID Reading (ppm)	Description
0' - 4'	BG	3" Concrete, Brown Sand & Gravel Fill, Fine Sand at 3.0'
4' - 7'	BG	Brown Silt & Clay Layered at 4.5'

REMARKS:

Inside Warehouse Building

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TESTING & ENVIRONMENTAL SERVICES

BORING LOG DATA

PROJECT NAME: Fibreright Mft. Inc.	PROJECT NO.: ETE-01-98
LOCATION: 1132 Seneca St., Buffalo, NY	BOREHOLE NO.: PH-29
DRILLING METHOD: Geoprobe	DATE: 8-31-01
SAMPLING METHOD: Macro Core Sampler	TIME: 1120
TOTAL BORING DEPTH: 7.0'	DEPTH OF WATER: None
LOGGED BY: D. Abrams	BACKFILL: Borehole Spoil

Depth Interval (Feet)	PID Reading (ppm)	Description
0' - 4'	BG	4" Concrete, Brown Sand & Gravel Fill to 4.0'. Grades to Brown Silt & Clay
4' - 7'	BG	Brown / Gray Silt & Clay Layered at 5.0'

REMARKS:

Inside Warehouse Building

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TESTING & ENVIRONMENTAL SERVICES

BORING LOG DATA

PROJECT NAME: Fibreright Mft. Inc.	PROJECT NO.: ETE-01-98
LOCATION: 1132 Seneca St., Buffalo, NY	BOREHOLE NO.: PH-30
DRILLING METHOD: Geoprobe	DATE: 8-31-01
SAMPLING METHOD: Macro Core Sampler	TIME: 1130
TOTAL BORING DEPTH: 7.0'	DEPTH OF WATER: None
LOGGED BY: D. Abrams	BACKFILL: Borehole Spoil

Depth Interval (Feet)	PID Reading (ppm)	Description
0' - 4'	BG	5" Concrete, Black Cinders Layers Beneath Concrete, Brown & Sand & Silt
4' - 7'	BG	Gray Brown Mottled Clay & Silt

REMARKS:

Inside Warehouse Building

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TESTING & ENVIRONMENTAL SERVICES

BORING LOG DATA

PROJECT NAME: Fibreright Mft. Inc.	PROJECT NO.: ETE-01-98
LOCATION: 1132 Seneca St., Buffalo, NY	BOREHOLE NO.: PH-31
DRILLING METHOD: Geoprobe	DATE: 8-31-01
SAMPLING METHOD: Macro Core Sampler	TIME: 1300
TOTAL BORING DEPTH: 7.0'	DEPTH OF WATER: None
LOGGED BY: D. Abrams	BACKFILL: Borehole Spoil

Depth Interval (Feet)	PID Reading (ppm)	Description
0' - 4'	BG	6" Concrete, Dark Brown Fill, Brown Silt & Clay Mottled
4' - 7'	BG	Gray Brown Silt & Clay Layered

REMARKS:

Inside Warehouse Building

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TESTING & ENVIRONMENTAL SERVICES

BORING LOG DATA

PROJECT NAME: Fibreright Mft. Inc.	PROJECT NO.: ETE-01-98
LOCATION: 1132 Seneca St., Buffalo, NY	BOREHOLE NO.: PH-32
DRILLING METHOD: Geoprobe	DATE: 8-31-01
SAMPLING METHOD: Macro Core Sampler	TIME: 1345
TOTAL BORING DEPTH: 4.0'	DEPTH OF WATER: None
LOGGED BY: D. Abrams	BACKFILL: Borehole Spoil

Depth Interval (Feet)	PID Reading (ppm)	Description
0 - 4	BG	4" Concrete , Brown Silt & Clay
		Layered of Clay at 4'

REMARKS:

Inside Warehouse Building

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APPENDIX E

ANALYTICAL TESTING RESULTS

DATE: / /

Upstate Laboratories, Inc.
Analysis Results
Report Number: 24801066
Client I.D.: EVERGREEN TESTING & ENV. SVCS.

APPROVAL: _ _ _ _
QC: _ _ _ _ Lab I.D.: 10170
Sampled by: Client

ID:24801066 Mat:Soil FIBERIGHT PH-1&2 0900H 08/30/01 C

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Percent Solids	89%	09/11/01		WD6229
Petroleum, EPA Method 8021				
Benzene	<3ug/kg dw	09/12/01	01	VA5921
Ethylbenzene	<3ug/kg dw	09/12/01	01	VA5921
Toluene	<3ug/kg dw	09/12/01	01	VA5921
m,p-xylene	<3ug/kg dw	09/12/01	01	VA5921
o-Xylene	<3ug/kg dw	09/12/01	01	VA5921
Isopropylbenzene	<3ug/kg dw	09/12/01	01	VA5921
n-Propylbenzene	<3ug/kg dw	09/12/01	01	VA5921
p-Isopropyltoluene	<3ug/kg dw	09/12/01	01	VA5921
1,2,4-Trimethylbenzene	<3ug/kg dw	09/12/01	01	VA5921
1,3,5-Trimethylbenzene	<3ug/kg dw	09/12/01	01	VA5921
n-Butylbenzene	<3ug/kg dw	09/12/01	01	VA5921
sec-Butylbenzene	<3ug/kg dw	09/12/01	01	VA5921
t-Butylbenzene	<3ug/kg dw	09/12/01	01	VA5921
Naphthalene	4ug/kg dw	09/12/01		VA5921
MTBE	<57ug/kg dw	09/12/01	01	VA5921
Petroleum, EPA Method 8270				
Anthracene	<370ug/kg dw	09/25/01		SA3027
Fluorane	<370ug/kg dw	09/25/01		SA3027
Phenanthrene	550ug/kg dw	09/25/01		SA3027
Pyrene	410ug/kg dw	09/25/01		SA3027
Acenaphthene	<370ug/kg dw	09/25/01		SA3027
Benzo[a]anthracene	<370ug/kg dw	09/25/01		SA3027
Fluoranthene	630ug/kg dw	09/25/01		SA3027
Benzo[b]fluoranthene	<370ug/kg dw	09/25/01		SA3027
Benzo[k]fluoranthene	<370ug/kg dw	09/25/01		SA3027
Chrysene	<370ug/kg dw	09/25/01		SA3027
Benzo[a]pyrene	<370ug/kg dw	09/25/01		SA3027
Benzo[ghi]perylene	<370ug/kg dw	09/25/01		SA3027
Indeno[1,2,3-cd]pyrene	<370ug/kg dw	09/25/01		SA3027
Dibenz[a,h]anthracene	<370ug/kg dw	09/25/01		SA3027

ID:24801067 Mat:Water FIBERIGHT PH-2 0900H 08/30/01 C

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Petroleum, EPA Method 8021				
Benzene	0.6ug/l	09/11/01		VA5921
Ethylbenzene	<0.5ug/l	09/11/01		VA5921
Toluene	0.8ug/l	09/11/01		VA5921

DATE: / /

Upstate Laboratories, Inc.
Analysis Results
Report Number: 24801066
Client I.D.: EVERGREEN TESTING & ENV. SVCS.

APPROVAL: - - -
QC: - - - Lab I.D.: 10170
Sampled by: Client

ID: 24801067 Mat: Water FIBERIGHT PH-2 0900H 08/30/01 C

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
m,p-xylene	1ug/l	09/11/01		VA5921
o-Xylene	0.7ug/l	09/11/01		VA5921
Isopropylbenzene	<0.5ug/l	09/11/01		VA5921
n-Propylbenzene	<0.5ug/l	09/11/01		VA5921
p-Isopropyltoluene	<0.5ug/l	09/11/01		VA5921
1,2,4-Trimethylbenzene	<0.5ug/l	09/11/01		VA5921
1,3,5-Trimethylbenzene	<0.5ug/l	09/11/01		VA5921
n-Butylbenzene	<0.5ug/l	09/11/01		VA5921
sec-Butylbenzene	<0.5ug/l	09/11/01		VA5921
t-Butylbenzene	<0.5ug/l	09/11/01		VA5921
Naphthalene	4ug/l	09/11/01		VA5921
MTBE	<10ug/l	09/11/01		VA5921

Petroleum, EPA Method 8270

Anthracene	<5ug/l	09/18/01		SA3019
Fluorene	<5ug/l	09/18/01		SA3019
Phenanthrene	<5ug/l	09/18/01		SA3019
Pyrene	<5ug/l	09/18/01		SA3019
Acenaphthene	<5ug/l	09/18/01		SA3019
Benzo[a]anthracene	<5ug/l	09/18/01		SA3019
Fluoranthene	<5ug/l	09/18/01		SA3019
Benzo[b]fluoranthene	<5ug/l	09/18/01		SA3019
Benzo[k]fluoranthene	<5ug/l	09/18/01		SA3019
Chrysene	<5ug/l	09/18/01		SA3019
Benzo[a]pyrene	<5ug/l	09/18/01		SA3019
Benzo[ghi]perylene	<5ug/l	09/18/01		SA3019
Indeno[1,2,3-cd]pyrene	<5ug/l	09/18/01		SA3019
Dibenz[a,h]anthracene	<5ug/l	09/18/01		SA3019

ID: 24801068 Mat: Soil FIBERIGHT 4 0-4 1000H 08/30/01 G

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Percent Solids	77%	09/11/01		WD6229

PCB (Aroclors) by EPA Method 8082

Aroclor 1016	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1221	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1232	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1242	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1248	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1254	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1260	<0.1mg/kg dw	09/20/01		GA0985
Total PCB	<0.1mg/kg dw	09/20/01		GA0985

dw = Dry weight

DATE: / /

Upstate Laboratories, Inc.
 Analysis Results
 Report Number: 24801066
 Client I.D.: EVERGREEN TESTING & ENV. SVCS.

APPROVAL: _____
 QC: ~~11~~ Lab I.D.: 10170
 Sampled by: Client

ID:24801068 Mat:Soil FIBERIGHT 4 0-4 1000H 08/30/01 G

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
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ID:24801069 Mat:Soil FIBERIGHT 4 4-8 1000H 08/30/01 G

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Percent Solids	83%	09/11/01		WD6229

PCB (Aroclors) by EPA Method 8082

Aroclor 1016	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1221	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1232	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1242	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1248	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1254	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1260	1.2mg/kg dw	09/20/01		GA0985
Total PCB	1.2mg/kg dw	09/20/01		GA0985

ID:24801070 Mat:Soil FIBERIGHT 5 0-4 1030H 08/30/01 G

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Percent Solids	84%	09/11/01		WD6229

PCB (Aroclors) by EPA Method 8082

Aroclor 1016	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1221	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1232	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1242	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1248	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1254	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1260	0.36mg/kg dw	09/20/01		GA0985
Total PCB	0.36mg/kg dw	09/20/01		GA0985

ID:24801071 Mat:Soil FIBERIGHT 5 4-8 1030H 08/30/01 G

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Percent Solids	84%	09/11/01		WD6229

PCB (Aroclors) by EPA Method 8082

Aroclor 1016	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1221	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1232	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1242	<0.1mg/kg dw	09/20/01		GA0985

dw = Dry weight

DATE: / /

Upstate Laboratories, Inc.
Analysis Results
Report Number: 24801066
Client I.D.: EVERGREEN TESTING & ENV. SVCS.

APPROVAL: _____
QC: _____
Lab I.D.: 10170
Sampled by: Client

ID:24801071 Mat:Soil FIBERIGHT 5 4-8 1030H 08/30/01 G

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Aroclor 1248	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1254	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1260	<0.1mg/kg dw	09/20/01		GA0985
Total PCB	<0.1mg/kg dw	09/20/01		GA0985

ID:24801072 Mat:Soil FIBERIGHT 6 0-4 1045H 08/30/01 G

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Percent Solids	72%	09/11/01		WD5251

PCB (Aroclors) by EPA Method 8082

Aroclor 1016	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1221	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1232	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1242	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1248	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1254	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1260	<0.1mg/kg dw	09/20/01		GA0985
Total PCB	<0.1mg/kg dw	09/20/01		GA0985

ID:24801073 Mat:Soil FIBERIGHT 6 4-8 1045H 08/30/01 G

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Percent Solids	83%	09/11/01		WD5251

PCB (Aroclors) by EPA Method 8082

Aroclor 1016	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1221	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1232	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1242	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1248	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1254	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1260	0.14mg/kg dw	09/20/01		GA0985
Total PCB	0.14mg/kg dw	09/20/01		GA0985

ID:24801074 Mat:Soil FIBERIGHT 7 0-4 1100H 08/30/01 G

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Percent Solids	83%	09/11/01		WD5251

TCL Volatiles by EPA Method 8260

dw = Dry weight

DATE: / /

Upstate Laboratories, Inc.
Analysis Results
Report Number: 24801066
Client I.D.: EVERGREEN TESTING & ENV. SVCS.

APPROVAL: _____
QC: ✓ Lab I.D.: 10170
Sampled by: Client

ID: 24801074 Mat: Soil FIBERIGHT 7 0-4 1100H 08/30/01 G

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Percent Solids	83%	09/11/01		WD6251
TCL Volatiles by EPA Method 8260				
Chloromethane	<7ug/kg dw	09/12/01	01	VM3618
Bromomethane	<7ug/kg dw	09/12/01	01	VM3618
Vinyl Chloride	<5ug/kg dw	09/12/01	01	VM3618
Chloroethane	<7ug/kg dw	09/12/01	01	VM3618
Methylene Chloride	<7ug/kg dw	09/12/01	01	VM3618
Acetone	130ug/kg dw	09/12/01	44	VM3618
Carbon Disulfide	<7ug/kg dw	09/12/01	01	VM3618
1,1-Dichloroethane	<7ug/kg dw	09/12/01	01	VM3618
1,1-Dichloroethane	<7ug/kg dw	09/12/01	01	VM3618
trans-1,2-Dichloroethane	<7ug/kg dw	09/12/01	01	VM3618
cis-1,2-Dichloroethane	<7ug/kg dw	09/12/01	01	VM3618
Chloroform	<7ug/kg dw	09/12/01	01	VM3618
1,2-Dichloroethane	<7ug/kg dw	09/12/01	01	VM3618
2-Butanone	55ug/kg dw	09/12/01	44	VM3618
1,1,1-Trichloroethane	<7ug/kg dw	09/12/01	01	VM3618
Carbon Tetrachloride	<7ug/kg dw	09/12/01	01	VM3618
Bromodichloromethane	<7ug/kg dw	09/12/01	01	VM3618
1,2-Dichloropropane	<7ug/kg dw	09/12/01	01	VM3618
cis-1,3-Dichloropropene	<7ug/kg dw	09/12/01	01	VM3618
Trichloroethene	<7ug/kg dw	09/12/01	01	VM3618
Dibromochloromethane	<7ug/kg dw	09/12/01	01	VM3618
1,1,2-Trichloroethane	<7ug/kg dw	09/12/01	01	VM3618
Benzene	<7ug/kg dw	09/12/01	01	VM3618
trans-1,3-Dichloropropane	<7ug/kg dw	09/12/01	01	VM3618
Bromoform	<7ug/kg dw	09/12/01	01	VM3618
4-Methyl-2-pentanone	<24ug/kg dw	09/12/01	01	VM3618
2-Hexanone	<24ug/kg dw	09/12/01	01	VM3618
Tetrachloroethene	<7ug/kg dw	09/12/01	01	VM3618
1,1,2,2-Tetrachloroethane	<7ug/kg dw	09/12/01	01	VM3618
Toluene	<7ug/kg dw	09/12/01	01	VM3618
Chlorobenzene	<7ug/kg dw	09/12/01	01	VM3618
Ethylbenzene	<7ug/kg dw	09/12/01	01	VM3618
Styrene	<7ug/kg dw	09/12/01	01	VM3618
m,p-xylene	<7ug/kg dw	09/12/01	01	VM3618
o-Xylene	<7ug/kg dw	09/12/01	01	VM3618
TCL Semivolatiles by EPA Method 8270				
Phenol	<400ug/kg dw	09/25/01		SA3027
bis(2-Chloroethyl) ether	<400ug/kg dw	09/25/01		SA3027
2-Chlorophenol	<400ug/kg dw	09/25/01		SA3027
1,3-Dichlorobenzene	<400ug/kg dw	09/25/01		SA3027

dw = Dry weight

DATE: / /

Update Laboratories, Inc.

Analysis Results

Report Number: 24801056

Client I.D.: EVERGREEN TESTING & ENV. SVCS.

APPROVAL: - - - -

QC: - - - - Lab I.D.: 10170

Sampled by: Client

ID: 24801074 Mat: Soil FIBERIGHT 7 0-4 1100H 09/30/01 G

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
1,4-Dichlorobenzene	<400ug/kg dw	09/25/01		SA3027
1,2-Dichlorobenzene	<400ug/kg dw	09/25/01		SA3027
2-Methylphenol	<400ug/kg dw	09/25/01		SA3027
2,2'-Oxybis(1-Chloropropane)	<400ug/kg dw	09/25/01		SA3027
4-Methylphenol	<400ug/kg dw	09/25/01		SA3027
n-Nitrosodipropylamine	<400ug/kg dw	09/25/01		SA3027
Hexachloroethane	<400ug/kg dw	09/25/01		SA3027
Nitrobenzene	<400ug/kg dw	09/25/01		SA3027
Isophorone	<400ug/kg dw	09/25/01		SA3027
2-Nitrophenol	<400ug/kg dw	09/25/01		SA3027
2,4-Dimethylphenol	<400ug/kg dw	09/25/01		SA3027
bis(2-Chloroethoxy)methane	<400ug/kg dw	09/25/01		SA3027
2,4-Dichlorophenol	<400ug/kg dw	09/25/01		SA3027
1,2,4-Trichlorobenzene	<400ug/kg dw	09/25/01		SA3027
Naphthalene	<400ug/kg dw	09/25/01		SA3027
4-Chloroaniline	<400ug/kg dw	09/25/01		SA3027
Hexachlorobutadiene	<400ug/kg dw	09/25/01		SA3027
4-Chloro-3-methylphenol	<400ug/kg dw	09/25/01		SA3027
2-Methylnaphthalene	<400ug/kg dw	09/25/01		SA3027
Hexachlorocyclopentadiene	<400ug/kg dw	09/25/01		SA3027
2,4,6-Trichlorophenol	<400ug/kg dw	09/25/01		SA3027
2,4,5-Trichlorophenol	<400ug/kg dw	09/25/01		SA3027
2-Chloronaphthalene	<400ug/kg dw	09/25/01		SA3027
2-Nitroaniline	<4000ug/kg dw	09/25/01		SA3027
Dimethylphthalate	<400ug/kg dw	09/25/01		SA3027
Acenaphthylene	<400ug/kg dw	09/25/01		SA3027
2,6-Dinitrotoluene	<400ug/kg dw	09/25/01		SA3027
3-Nitroaniline	<4000ug/kg dw	09/25/01		SA3027
Acenaphthene	<400ug/kg dw	09/25/01		SA3027
2,4-Dinitrophenol	<400ug/kg dw	09/25/01		SA3027
4-Nitrophenol	<400ug/kg dw	09/25/01		SA3027
Dibenzofuran	<400ug/kg dw	09/25/01		SA3027
2,4-Dinitrotoluene	<400ug/kg dw	09/25/01		SA3027
Diethylphthalate	<400ug/kg dw	09/25/01		SA3027
4-Chlorophenylphenylether	<400ug/kg dw	09/25/01		SA3027
Fluorene	<400ug/kg dw	09/25/01		SA3027
4-Nitroaniline	<4000ug/kg dw	09/25/01		SA3027
2-Methyl-4,6-dinitrophenol	<4000ug/kg dw	09/25/01		SA3027
n-Nitrosodiphenylamine	<400ug/kg dw	09/25/01		SA3027
4-Bromophenylphenylether	<400ug/kg dw	09/25/01		SA3027
Hexachlorobenzene	<400ug/kg dw	09/25/01		SA3027
Pentachlorophenol	<800ug/kg dw	09/25/01		SA3027
Phenanthrene	940ug/kg dw	09/25/01		SA3027
Anthracene	<400ug/kg dw	09/25/01		SA3027

dw = Dry weight

DATE: / /

Upstate Laboratories, Inc.
Analysis Results
Report Number: 24801066
Client I.D.: EVERGREEN TESTING & ENV. SVCS.

APPROVAL: _____
QC: M Lab I.D.: 10170
Sampled by: Client

ID: 24801074 Mat: Soil FIBERIGHT 7 0-4 1100H 08/30/01 G

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Pyrene	1200ug/kg dw	09/25/01		SA3027
Butylbenzylphthalate	<400ug/kg dw	09/25/01		SA3027
3,3'-Dichlorobenzidine	<400ug/kg dw	09/25/01		SA3027
Benzo(a)anthracene	700ug/kg dw	09/25/01		SA3027
Chrysene	750ug/kg dw	09/25/01		SA3027
bis(2-Ethylhexyl)phthalate	<400ug/kg dw	09/25/01		SA3027
di-n-octylphthalate	<400ug/kg dw	09/25/01		SA3027
Benzo(b)fluoranthene	860ug/kg dw	09/25/01		SA3027
Benzo(k)fluoranthene	<400ug/kg dw	09/25/01		SA3027
Benzo(a)pyrene	570ug/kg dw	09/25/01		SA3027
Indeno(1,2,3-cd)pyrene	<400ug/kg dw	09/25/01		SA3027
Dibenzo(a,h)anthracene	<400ug/kg dw	09/25/01		SA3027
Benzo(ghi)perylene	<400ug/kg dw	09/25/01		SA3027

PCB (Aroclors) by EPA Method 8082

Aroclor 1016	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1221	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1232	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1242	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1248	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1254	<0.1mg/kg dw	09/20/01		GA0985
Aroclor 1260	13mg/kg dw	09/20/01		GA0985
Total PCB	13mg/kg dw	09/20/01		GA0985

ID: 24801075 Mat: Soil FIBERIGHT 7 4-8 1100H 09/30/01 G

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Percent Solids	85%	09/11/01		WD6251

PCB (Aroclors) by EPA Method 8082

Aroclor 1016	<0.1mg/kg	09/21/01		GA0985
Aroclor 1221	<0.1mg/kg	09/21/01		GA0985
Aroclor 1232	<0.1mg/kg	09/21/01		GA0985
Aroclor 1242	<0.1mg/kg	09/21/01		GA0985
Aroclor 1248	<0.1mg/kg	09/21/01		GA0985
Aroclor 1254	<0.1mg/kg	09/21/01		GA0985
Aroclor 1260	<0.1mg/kg	09/21/01		GA0985
Total PCB	<0.1mg/kg	09/21/01		GA0985

dw = Dry weight

DATE: / /

Upstate Laboratories, Inc.
Analysis Results
Report Number: 24801066
Client I.D.: EVERGREEN TESTING & ENV. SVCS.

APPROVAL: ---
QC: ~~M~~ Lab I.D.: 10170
Sampled by: Client

ID: 24801076 Mat: Soil FIBERIGHT 8 0-4 1115H 08/30/01 G

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Percent Solids	70%	09/11/01	---	WD6251
PCB (Aroclors) by EPA Method 8082				
Aroclor 1016	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1221	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1232	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1242	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1248	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1254	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1260	7.6mg/kg dw	09/21/01		GA0985
Total PCB	7.6mg/kg dw	09/21/01		GA0985

ID: 24801077 Mat: Soil FIBERIGHT 8 4-8 1115H 08/30/01 G

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Percent Solids	84%	09/11/01	---	WD6251
PCB (Aroclors) by EPA Method 8082				
Aroclor 1016	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1221	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1232	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1242	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1248	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1254	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1260	0.20mg/kg dw	09/21/01		GA0985
Total PCB	0.20mg/kg dw	09/21/01		GA0985

ID: 24801078 Mat: Soil FIBERIGHT 9 0-4 1130H 08/30/01 G

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Percent Solids	48%	09/11/01	---	WD6251
PCB (Aroclors) by EPA Method 8082				
Aroclor 1016	<0.2mg/kg dw	09/21/01		GA0985
Aroclor 1221	<0.2mg/kg dw	09/21/01		GA0985
Aroclor 1232	<0.2mg/kg dw	09/21/01		GA0985
Aroclor 1242	<0.2mg/kg dw	09/21/01		GA0985
Aroclor 1248	<0.2mg/kg dw	09/21/01		GA0985
Aroclor 1254	<0.2mg/kg dw	09/21/01		GA0985
Aroclor 1260	<0.2mg/kg dw	09/21/01		GA0985
Total PCB	<0.2mg/kg dw	09/21/01		GA0985

dw = Dry weight

DATE: / /

Upstate Laboratories, Inc.
 Analysis Results
 Report Number: 24801066
 Client I.D.: EVERGREEN TESTING & ENV. SVCS.

APPROVAL: - - -
 QC: ~~ND~~ - - - Lab I.D.: 10170
 Sampled by: Client

ID:24801079 Mat:Soil FIBERIGHT 9 4-8 1130H 08/30/01 G

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Percent Solids	82%	09/11/01		WD5251
PCB (Aroclors) by EPA Method 8082				
Aroclor 1016	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1221	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1232	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1242	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1248	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1254	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1260	0.13mg/kg dw	09/21/01		GA0985
Total PCB	0.13mg/kg dw	09/21/01		GA0985

ID:24801080 Mat:Soil FIBERIGHT 10 0-4 1145H 08/30/01 G

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Percent Solids	69%	09/11/01		WD6251
PCB (Aroclors) by EPA Method 8082				
Aroclor 1016	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1221	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1232	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1242	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1248	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1254	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1260	<0.1mg/kg dw	09/21/01		GA0985
Total PCB	<0.1mg/kg dw	09/21/01		GA0985

ID:24801081 Mat:Soil FIBERIGHT 10 4-8 1145H 08/30/01 G

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Percent Solids	81%	09/11/01		WD6251
PCB (Aroclors) by EPA Method 8082				
Aroclor 1016	<0.9mg/kg dw	09/21/01		GA0985
Aroclor 1221	<0.9mg/kg dw	09/21/01		GA0985
Aroclor 1232	<0.9mg/kg dw	09/21/01		GA0985
Aroclor 1242	<0.9mg/kg dw	09/21/01		GA0985
Aroclor 1248	<0.9mg/kg dw	09/21/01		GA0985
Aroclor 1254	<0.9mg/kg dw	09/21/01		GA0985
Aroclor 1260	<0.9mg/kg dw	09/21/01		GA0985
Total PCB	<0.9mg/kg dw	09/21/01		GA0985

dw = Dry weight

DATE: / /

Upstate Laboratories, Inc.
Analysis Results
Report Number: 24801066
Client I.D.: EVERGREEN TESTING & ENV. SVCS.

APPROVAL: - - - -
QC: *[Signature]* Lab I.D.: 10170
Sampled by: Client

ID: 24801062 Mat: Soil FIBERIGHT 11 0-4 1300H 08/30/01 G

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Percent Solids	83%	09/11/01		WD6251
PCB (Aroclors) by EPA Method 8082				
Aroclor 1016	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1221	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1232	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1242	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1248	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1254	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1260	<0.1mg/kg dw	09/21/01		GA0985
Total PCB	<0.1mg/kg dw	09/21/01		GA0985

ID: 24801063 Mat: Soil FIBERIGHT 11 4-6 1300H 08/30/01 G

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Percent Solids	84%	09/11/01		WD6251
PCB (Aroclors) by EPA Method 8082				
Aroclor 1016	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1221	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1232	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1242	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1248	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1254	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1260	<0.1mg/kg dw	09/21/01		GA0985
Total PCB	<0.1mg/kg dw	09/21/01		GA0985

ID: 24801064 Mat: Soil FIBERIGHT 12 0-4 1315H 08/30/01 G

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Percent Solids	85%	09/11/01		WD6251
PCB (Aroclors) by EPA Method 8082				
Aroclor 1016	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1221	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1232	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1242	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1248	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1254	<0.1mg/kg dw	09/21/01		GA0985
Aroclor 1260	0.88mg/kg dw	09/21/01		GA0985
Total PCB	0.88mg/kg dw	09/21/01		GA0985

dw = Dry weight

dw = Dry weight

DATE: / /

Upstate Laboratories, Inc.
Analysis Results
Report Number: 24801066
Client I.D.: EVERGREEN TESTING & ENV. SVCS.

APPROVAL: - - - -
QC: ~~M~~ - - - -
Lab I.D.: 10170
Sampled by: Client

ID:24801094 Mat:Soil FIBERIGHT 17 0-4 1430H 08/30/01 G

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Percent Solids	69%	09/12/01		WD6255
PCB (Aroclors) by EPA Method 8082				
Aroclor 1016	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1221	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1232	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1242	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1248	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1254	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1260	0.69mg/kg dw	09/21/01		GA0986
Total PCB	0.69mg/kg dw	09/21/01		GA0986

ID:24801095 Mat:Soil FIBERIGHT 17 4-6 1430H 08/30/01 G

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Percent Solids	86%	09/12/01		WD6255
PCB (Aroclors) by EPA Method 8082				
Aroclor 1016	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1221	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1232	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1242	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1248	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1254	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1260	<0.1mg/kg dw	09/21/01		GA0986
Total PCB	<0.1mg/kg dw	09/21/01		GA0986

ID:24801096 Mat:Soil FIBERIGHT 18 0-4 1445H 08/30/01 G

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Percent Solids	84%	09/12/01		WD6255
PCB (Aroclors) by EPA Method 8082				
Aroclor 1016	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1221	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1232	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1242	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1248	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1254	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1260	<0.1mg/kg dw	09/21/01		GA0986
Total PCB	<0.1mg/kg dw	09/21/01		GA0986

dw = Dry weight

DATE: / /

Upstate Laboratories, Inc.
Analysis Results
Report Number: 24801066
Client I.D.: EVERGREEN TESTING & ENV. SVCS.

APPROVAL: _____
QC: ~~XXXX~~ Lab I.D.: 10170
Sampled by: Client

ID: 24801097 Mat: Soil FIBERIGHT 18 4-6 1445H 08/30/01 G

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Percent Solids	83%	09/12/01		WD6255
PCB (Aroclors) by EPA Method 8082				
Aroclor 1016	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1221	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1232	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1242	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1248	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1254	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1260	17mg/kg dw	09/21/01		GA0986
Total PCB	17mg/kg dw	09/21/01		GA0986

ID: 24801098 Mat: Soil FIBERIGHT 19 0-4 1520H 08/30/01 G

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Percent Solids	83%	09/12/01		WD6255
TCL Volatiles by EPA Method 8260				
Chloromethane	<7ug/kg dw	09/12/01	01	VM3618
Bromomethane	<7ug/kg dw	09/12/01	01	VM3618
Vinyl Chloride	<5ug/kg dw	09/12/01	01	VM3618
Chloroethane	<7ug/kg dw	09/12/01	01	VM3618
Methylene Chloride	<7ug/kg dw	09/12/01	01	VM3618
Acetone	<24ug/kg dw	09/12/01	01	VM3618
Carbon Disulfide	<7ug/kg dw	09/12/01	01	VM3618
1,1-Dichloroethene	<7ug/kg dw	09/12/01	01	VM3618
1,1-Dichloroethane	<7ug/kg dw	09/12/01	01	VM3618
trans-1,2-Dichloroethene	<7ug/kg dw	09/12/01	01	VM3618
cis-1,2-Dichloroethane	<7ug/kg dw	09/12/01	01	VM3618
Chloroform	<7ug/kg dw	09/12/01	01	VM3618
1,2-Dichloroethane	<7ug/kg dw	09/12/01	01	VM3618
2-Butanone	<24ug/kg dw	09/12/01	01	VM3618
1,1,1-Trichloroethane	<7ug/kg dw	09/12/01	01	VM3618
Carbon Tetrachloride	<7ug/kg dw	09/12/01	01	VM3618
Bromodichloromethane	<7ug/kg dw	09/12/01	01	VM3618
1,2-Dichloropropane	<7ug/kg dw	09/12/01	01	VM3618
cis-1,3-Dichloropropene	<7ug/kg dw	09/12/01	01	VM3618
Trichloroethene	<7ug/kg dw	09/12/01	01	VM3618
Dibromochloromethane	<7ug/kg dw	09/12/01	01	VM3618
1,1,2-Trichloroethane	<7ug/kg dw	09/12/01	01	VM3618
Benzene	<7ug/kg dw	09/12/01	01	VM3618
trans-1,3-Dichloropropene	<7ug/kg dw	09/12/01	01	VM3618
Bromoform	<7ug/kg dw	09/12/01	01	VM3618

dw = Dry weight

DATE: / /

Upstate Laboratories, Inc.
 Analysis Results
 Report Number: 24801066
 Client I.D.: EVERGREEN TESTING & ENV. SVCS.

APPROVAL: ---
 QC: --- Lab I.D.: 10170
 Sampled by: Client

ID: 24801098 Mat: Soil FIBERIGHT 19-0-4 152DH 08/30/01 G

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
4-Methyl-2-pentanone	<24ug/kg dw	09/12/01	01	VM3618
2-Hexanone	<24ug/kg dw	09/12/01	01	VM3618
Tetrachloroethane	<7ug/kg dw	09/12/01	01	VM3618
1,1,2,2-Tetrachloroethane	<7ug/kg dw	09/12/01	01	VM3618
Toluene	<7ug/kg dw	09/12/01	01	VM3618
Chlorobenzene	<7ug/kg dw	09/12/01	01	VM3618
Ethylbenzene	<7ug/kg dw	09/12/01	01	VM3618
Styrene	<7ug/kg dw	09/12/01	01	VM3618
m,p-xylene	<7ug/kg dw	09/12/01	01	VM3618
o-Xylene	<7ug/kg dw	09/12/01	01	VM3618

TCL Semivolatiles by EPA Method 8270

Phenol	<400ug/kg dw	09/25/01		SA3027
bis(2-Chloroethyl) ether	<400ug/kg dw	09/25/01		SA3027
2-Chlorophenol	<400ug/kg dw	09/25/01		SA3027
1,3-Dichlorobenzene	<400ug/kg dw	09/25/01		SA3027
1,4-Dichlorobenzene	<400ug/kg dw	09/25/01		SA3027
1,2-Dichlorobenzene	<400ug/kg dw	09/25/01		SA3027
2-Methylphenol	<400ug/kg dw	09/25/01		SA3027
2,2'-Oxybis(1-Chloropropane)	<400ug/kg dw	09/25/01		SA3027
4-Methylphenol	<400ug/kg dw	09/25/01		SA3027
n-Nitrosodipropylamine	<400ug/kg dw	09/25/01		SA3027
Hexachloroethane	<400ug/kg dw	09/25/01		SA3027
Nitrobenzene	<400ug/kg dw	09/25/01		SA3027
Isophorone	<400ug/kg dw	09/25/01		SA3027
2-Nitrophenol	<400ug/kg dw	09/25/01		SA3027
2,4-Dimethylphenol	<400ug/kg dw	09/25/01		SA3027
bis(2-Chloroethoxy)methane	<400ug/kg dw	09/25/01		SA3027
2,4-Dichlorophenol	<400ug/kg dw	09/25/01		SA3027
1,2,4-Trichlorobenzene	<400ug/kg dw	09/25/01		SA3027
Naphthalene	<400ug/kg dw	09/25/01		SA3027
4-Chloroaniline	<400ug/kg dw	09/25/01		SA3027
Hexachlorobutadiene	<400ug/kg dw	09/25/01		SA3027
4-Chloro-3-methylphenol	<400ug/kg dw	09/25/01		SA3027
2-Methylnaphthalene	<400ug/kg dw	09/25/01		SA3027
Hexachlorocyclopentadiene	<400ug/kg dw	09/25/01		SA3027
2,4,6-Trichlorophenol	<400ug/kg dw	09/25/01		SA3027
2,4,5-Trichlorophenol	<400ug/kg dw	09/25/01		SA3027
2-Chloronaphthalene	<400ug/kg dw	09/25/01		SA3027
2-Nitroaniline	<4000ug/kg dw	09/25/01		SA3027
Dimethylphthalate	<400ug/kg dw	09/25/01		SA3027
Acenaphthylene	<400ug/kg dw	09/25/01		SA3027
2,6-Dinitrotoluene	<400ug/kg dw	09/25/01		SA3027
3-Nitroaniline	<4000ug/kg dw	09/25/01		SA3027

dw = Dry weight

DATE: / /

Upstate Laboratories, Inc.
Analysis Results
Report Number: 24801066
Client I.D.: EVERGREEN TESTING & ENV. SVCS.

APPROVAL: - - - -
QC: - - - - Lab I.D.: 10170
Sampled by: Client

ID:24801103 Mat:Soil FIBERIGHT 23-4-B 0915H 08/31/01 G

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
o-Xylene	550ug/kg dw	09/11/01		VA5918
Isopropylbenzene	<110ug/kg dw	09/11/01	05	VA5918
n-Propylbenzene	320ug/kg dw	09/11/01		VA5918
p-Isopropyltoluene	<110ug/kg dw	09/11/01	05	VA5918
1,2,4-Trimethylbenzene	<110ug/kg dw	09/11/01	05	VA5918
1,3,5-Trimethylbenzene	<110ug/kg dw	09/11/01	05	VA5918
n-Butylbenzene	570ug/kg dw	09/11/01		VA5918
sec-Butylbenzene	<110ug/kg dw	09/11/01	05	VA5918
t-Butylbenzene	<110ug/kg dw	09/11/01	05	VA5918
Naphthalene	<110ug/kg dw	09/11/01	05	VA5918
MTBE	<2200ug/kg dw	09/11/01	05	VA5918

Petroleum, EPA Method 8270

Anthracene	<440ug/kg dw	09/25/01		SA3027
Fluorene	<440ug/kg dw	09/25/01		SA3027
Phenanthrene	<440ug/kg dw	09/25/01		SA3027
Pyrene	<440ug/kg dw	09/25/01		SA3027
Acenaphthene	<440ug/kg dw	09/25/01		SA3027
Benzo[a]anthracene	<440ug/kg dw	09/25/01		SA3027
Fluoranthene	<440ug/kg dw	09/25/01		SA3027
Benzo[b]fluoranthene	<440ug/kg dw	09/25/01		SA3027
Benzo[k]fluoranthene	<440ug/kg dw	09/25/01		SA3027
Chrysene	<440ug/kg dw	09/25/01		SA3027
Benzo[a]pyrene	<440ug/kg dw	09/25/01		SA3027
Benzo[ghi]perylene	<440ug/kg dw	09/25/01		SA3027
Indeno[1,2,3-cd]pyrene	<440ug/kg dw	09/25/01		SA3027
Dibenz[a,h]anthracene	<440ug/kg dw	09/25/01		SA3027

ID:24801104 Mat:Soil FIBERIGHT 30-0-4 1130H 08/31/01 G

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Percent Solids	81%	09/12/01		WD6255

PCB (Aroclors) by EPA Method 8082

Aroclor 1016	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1221	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1232	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1242	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1248	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1254	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1260	<0.1mg/kg dw	09/21/01		GA0986
Total PCB	<0.1mg/kg dw	09/21/01		GA0986

dw = Dry weight

DATE: / /

Upstate Laboratories, Inc.
 Analysis Results
 Report Number: 24801066
 Client I.D.: EVERGREEN TESTING & ENV. SVCS.

APPROVAL: ---
 QC: ---
 Lab I.D.: 10170
 Sampled by: Client

ID:24801100 Mat:Soil FIBERIGHT 20 0-4 1600H 08/30/01 G

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
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ID:24801101 Mat:Soil FIBERIGHT 20 4-6 1600H 08/30/01 G

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Percent Solids	81%	09/12/01		WD6255

PCB (Aroclors) by EPA Method 8082

Aroclor 1016	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1221	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1232	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1242	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1248	5.9mg/kg dw	09/21/01		GA0986
Aroclor 1254	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1260	2.5mg/kg dw	09/21/01		GA0986
Total PCB	8.4mg/kg dw	09/21/01		GA0986

ID:24801102 Mat:Soil FIBERIGHT 21 4-6 1630H 08/30/01 G

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Percent Solids	82%	09/12/01		WD6255

PCB (Aroclors) by EPA Method 8082

Aroclor 1016	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1221	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1232	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1242	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1248	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1254	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1260	0.66mg/kg dw	09/21/01		GA0986
Total PCB	0.66mg/kg dw	09/21/01		GA0986

ID:24801103 Mat:Soil FIBERIGHT 23 4-6 0915H 08/31/01 G

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Percent Solids	76%	09/12/01		WD6255

Petroleum, EPA Method 8021

Benzene	<110ug/kg dw	09/11/01	05	VA5918
Ethylbenzene	1200ug/kg dw	09/11/01		VA5918
Toluene	<110ug/kg dw	09/11/01	05	VA5918
m,p-xylene	<110ug/kg dw	09/11/01	05	VA5918

dw = Dry weight

DATE: / /

Upstate Laboratories, Inc.
 Analysis Results
 Report Number: 24801066
 Client I.D.: EVERGREEN TESTING & ENV. SVCS.

APPROVAL: - - - -
 QC: - - - - Lab I.D.: 10170
 Sampled by: Client

ID: 24801066 Mat: Soil FIBERIGHT 19" 0-4 1520H 08/30/01 G

PARAMETERS	RESULTS	DATE ANAL.	REV	FILE#
Acenaphthene	<400ug/kg dw	09/25/01		SA3027
2,4-Dinitrophenol	<4000ug/kg dw	09/25/01		SA3027
4-Nitrophenol	<4000ug/kg dw	09/25/01		SA3027
Dibenzofuran	<400ug/kg dw	09/25/01		SA3027
2,4-Dinitrotoluene	<400ug/kg dw	09/25/01		SA3027
Diethylphthalate	<400ug/kg dw	09/25/01		SA3027
4-Chlorophenylphenylether	<400ug/kg dw	09/25/01		SA3027
Fluorene	<400ug/kg dw	09/25/01		SA3027
4-Nitroaniline	<4000ug/kg dw	09/25/01		SA3027
2-Methyl-4,6-dinitrophenol	<4000ug/kg dw	09/25/01		SA3027
n-Nitrosodiphenylamine	<400ug/kg dw	09/25/01		SA3027
4-Bromophenylphenylether	<400ug/kg dw	09/25/01		SA3027
Hexachlorobenzene	<400ug/kg dw	09/25/01		SA3027
Pentachlorophenol	<800ug/kg dw	09/25/01		SA3027
Phenanthrene	<400ug/kg dw	09/25/01		SA3027
Anthracene	<400ug/kg dw	09/25/01		SA3027
Carbazole	<400ug/kg dw	09/25/01		SA3027
di-n-butylphthalate	<400ug/kg dw	09/25/01		SA3027
Fluoranthene	<400ug/kg dw	09/25/01		SA3027
Pyrene	<400ug/kg dw	09/25/01		SA3027
Butylbenzylphthalate	<400ug/kg dw	09/25/01		SA3027
3,3'-Dichlorobenzidine	<400ug/kg dw	09/25/01		SA3027
Benzo(a)anthracene	<400ug/kg dw	09/25/01		SA3027
Chrysene	<400ug/kg dw	09/25/01		SA3027
bis(2-Ethylhexyl)phthalate	<400ug/kg dw	09/25/01		SA3027
di-n-octylphthalate	<400ug/kg dw	09/25/01		SA3027
Benzo(b)fluoranthene	<400ug/kg dw	09/25/01		SA3027
Benzo(k)fluoranthene	<400ug/kg dw	09/25/01		SA3027
Benzo(a)pyrene	<400ug/kg dw	09/25/01		SA3027
Indeno(1,2,3-cd)pyrene	<400ug/kg dw	09/25/01		SA3027
Dibenzo(a,h)anthracene	<400ug/kg dw	09/25/01		SA3027
Benzo(ghi)perylene	<400ug/kg dw	09/25/01		SA3027
PCB (Aroclors) by EPA Method 8082				
Aroclor 1016	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1221	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1232	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1242	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1248	3.7mg/kg dw	09/21/01		GA0986
Aroclor 1254	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1260	0.42mg/kg dw	09/21/01		GA0986
Total PCB	4.1mg/kg dw	09/21/01		GA0986

dw = Dry weight

DATE: / /

Upstate Laboratories, Inc.
 Analysis Results
 Report Number: 24801066
 Client I.D.: EVERGREEN TESTING & ENV. SVCS.

APPROVAL: - - - -
 QC: - - - -
 Lab I.D.: 10170
 Sampled by: Client

ID: 24801099 Mat: Soil FIBERIGHT 19-4-6 1520H 08/30/01 G

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Percent Solids	86%	09/12/01		WD6255
PCB (Aroclors) by EPA Method 8082				
Aroclor 1016	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1221	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1232	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1242	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1248	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1254	<0.1mg/kg dw	09/21/01		GA0986
Aroclor 1260	<0.1mg/kg dw	09/21/01		GA0986
Total PCB	<0.1mg/kg dw	09/21/01		GA0986

ID: 24801100 Mat: Soil FIBERIGHT 20-0-4 1600H 08/30/01 G

PARAMETERS	RESULTS	DATE ANAL.	KEY	FILE#
Percent Solids	84%	09/12/01		WD6255
Petroleum, EPA Method 8021				
Benzene	<99ug/kg dw	09/10/01	05	VA5918
Ethylbenzene	<99ug/kg dw	09/10/01	05	VA5918
Toluene	<99ug/kg dw	09/10/01	05	VA5918
m,p-xylene	150ug/kg dw	09/10/01		VA5918
o-Xylene	<99ug/kg dw	09/10/01	05	VA5918
Isopropylbenzene	<99ug/kg dw	09/10/01	05	VA5918
n-Propylbenzene	900ug/kg dw	09/10/01		VA5918
p-Isopropyltoluene	<99ug/kg dw	09/10/01	05	VA5918
1,2,4-Trimethylbenzene	<99ug/kg dw	09/10/01	05	VA5918
1,3,5-Trimethylbenzene	590ug/kg dw	09/10/01		VA5918
n-Butylbenzene	980ug/kg dw	09/10/01		VA5918
sec-Butylbenzene	1100ug/kg dw	09/10/01		VA5918
t-Butylbenzene	130ug/kg dw	09/10/01		VA5918
Naphthalene	320ug/kg dw	09/10/01		VA5918
MTBE	<2000ug/kg dw	09/10/01	05	VA5918
PCB (Aroclors) by EPA Method 8082				
Aroclor 1016	<28mg/kg dw	09/21/01	01	GA0986
Aroclor 1221	<28mg/kg dw	09/21/01	01	GA0986
Aroclor 1232	<28mg/kg dw	09/21/01	01	GA0986
Aroclor 1242	<28mg/kg dw	09/21/01	01	GA0986
Aroclor 1248	2500mg/kg dw	09/21/01	01	GA0986
Aroclor 1254	<28mg/kg dw	09/21/01	01	GA0986
Aroclor 1260	1000mg/kg dw	09/21/01	01	GA0986
Total PCB	3300mg/kg dw	09/21/01	01	GA0986

dw = Dry weight

KEY PAGE

1 MATRIX INTERFERENCE PRECLUDES LOWER DETECTION LIMITS
2 MATRIX INTERFERENCE
3 PRESENT IN BLANK
4 ANALYSIS NOT PERFORMED BECAUSE OF INSUFFICIENT SAMPLE
5 THE PRESENCE OF OTHER TARGET ANALYTE(S) PRECLUDES LOWER DETECTION LIMITS
6 BLANK CORRECTED
7 HEAD SPACE PRESENT IN SAMPLE
8 QUANTITATION LIMIT IS GREATER THAN THE CALCULATED REGULATORY LEVEL. THE
9 QUANTITATION LIMIT THEREFORE BECOMES THE REGULATORY LEVEL.
10 THE OIL WAS TREATED AS A SOLID AND LEACHED WITH EXTRACTION FLUID
11 ADL(AVERAGE DETECTION LIMITS)
12 PQL(PRACTICAL QUANTITATION LIMITS)
13 SAMPLE ANALYZED OVER HOLDING TIME
14 DISSOLVED VALUE MAY BE HIGHER THAN TOTAL DUE TO CONTAMINATION FROM
15 THE FILTERING PROCEDURE
16 SAMPLED BY ULI
17 DISSOLVED VALUE MAY BE HIGHER THAN TOTAL; HOWEVER, THE VALUES ARE
18 WITHIN EXPERIMENTAL ERROR
19 AN INHIBITORY FACTOR WAS OBSERVED IN THIS ANALYSIS
20 PARAMETER NOT ANALYZED WITHIN 15 MINUTES OF SAMPLING
21 THE SERIAL DILUTION OF THIS SAMPLE SUGGESTS A POSSIBLE PHYSICAL AND/OR CHEMICAL
22 INTERFERENT IN THIS DETERMINATION. THE DATA MAY BE BIASED EITHER HIGH OR LOW.
23 CALCULATION BASED ON DRY WEIGHT
24 INDICATES AN ESTIMATED VALUE, DETECTED BUT BELOW THE PRACTICAL QUANTITATION
25 LIMITS
26 UG/KG AS REC.D / UG/KG DRY WT
27 MG/KG AS REC.D / MG/KG DRY WT
28 INSUFFICIENT SAMPLE PRECLUDES LOWER DETECTION LIMITS
29 SAMPLE DILUTED/BLANK CORRECTED
30 ND(NON-DETECTED)
31 MATRIX INTERFERENCE PRECLUDES LOWER DETECTION LIMITS/BLANK CORRECTED
32 SPIKE RECOVERY ABNORMALLY HIGH/LOW DUE TO MATRIX INTERFERENCE
33 POST-DIGESTION SPIKE FOR FURNACE AA ANALYSIS IS OUTSIDE OF CONTROL
34 LIMITS (85-115%); HOWEVER, THE SAMPLE CONCENTRATION IS BELOW THE PQL
35 ANALYZED BY METHOD OF STANDARD ADDITIONS
36 METHOD PERFORMANCE STUDY HAS NOT BEEN COMPLETED/ND(NON-DETECTED)
37 FIELD MEASURED PARAMETER TAKEN BY CLIENT
38 TARGET ANALYTE IS BIODEGRADED AND/OR ENVIRONMENTALLY WEATHERED
39 NON-POTABLE WATER SOURCE
40 VOLATILE ASP CODES
41 -----
42 (B)POSSIBLE/PROBABLE BLANK CONTAMINATION (D)ALL COMPOUNDS IDENTIFIED AT A
43 SECONDARY DILUTION FACTOR (J)DETECTED BELOW THE CRQL
44 THE HYDROCARBONS DETECTED IN THE SAMPLE DID NOT CROSS-MATCH WITH COMMON
45 PETROLEUM DISTILLATES
46 MATRIX INTERFERENCE CAUSING SPIKES TO RESULT IN LESS THAN 50.0% RECOVERY
47 MILLIGRAMS PER LITER (MG/L) / POUNDS (LBS) PER DAY
48 MILLIGRAMS PER LITER (MG/L) OF RESIDUAL CHLORINE (CL2) / POUNDS (LBS)
49 PER DAY OF CL2
50 MICROGRAMS PER LITER (UG/L) / POUNDS (LBS) PER DAY
51 MILLIGRAMS PER LITER (MG/L) LINEAR ALKYL SULFONATE (LAS) / POUNDS (LBS)
52 PER DAY LAS
53 RESULTS ARE REPORTED ON AN AS REC.D BASIS
54 THE SAMPLE WAS ANALYZED ON A TOTAL BASIS; THE TEST RESULT CAN BE COMPARED
55 TO THE TCLP REGULATORY CRITERIA BY DIVIDING THE TEST RESULT BY 20,
56 CREATING A THEORETICAL TCLP VALUE
57 METAL BY CONCENTRATION PROCEDURE
58 POSSIBLE CONTAMINATION FROM FIELD/LABORATORY

Upstate Laboratories, Inc.

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(315) 437 0255 Fax 437 1209

Chain Of Custody Record

HDP 9/18/01

PAGE 4 of 4

Client: EVERGREEN		Client Project # / Project Name: FIBERRIGHT					No. of Containers	1)	2)	3)	4)	5)	6)	7)	8)	9)	10)	Special Turnaround Time _____ (Lab Notification required)
Client Contact: DON ABRAMS		Phone #: 716-649-9474	Site Location (city/state): BUFFALO 1132 SANGRA ST.															Remarks
Sample Location:	Date	Time	Matrix	Grab or Comp.	ULI Internal Use Only													
18 4'-6'	8/30/01	2:45	SOIL	GRAB		1			X									
19 0'-4'	8/30/01	3:20				3	X	X	X									
19 4'-6'	8/30/01	3:20				1			X									
20 0'-4'	8/30/01	4:00				3			X	X								
20 4'-6'	8/30/01	4:00				1			X									
21 0'-4'	8/30/01	4:30				1			X									
21 4'-6'	8/30/01	4:30				1			X									
23 4'-8'	8/31/01	9:15				1				X								
23 4'-8'	8/31/01	9:15				1					X							
30 0'-4'	8/31/01	11:30				1			X									
parameter and method	sample bottle:			type	size	pres.	Sampled by: (Please Print) DON ABRAMS					ULI Internal Use Only Delivery (check one): <input type="checkbox"/> ULI Sampled <input type="checkbox"/> Pickup <input checked="" type="checkbox"/> Dropoff <input checked="" type="checkbox"/> CC CA						
1) TCL VOLATILES 8260				GLASS	402	4°C	Company: EVERGREEN											
2) TCL SEMI VOL 8270				GLASS	1602	4°C	Relinquished by: (Signature) <i>[Signature]</i>					Date	Time	Received by: (Signature) <i>[Signature]</i>				
3) PCBs 8080				GLASS	402	4°C	Relinquished by: (Signature) <i>[Signature]</i>					Date	Time	Received by: (Signature) <i>[Signature]</i>				
4) NYSDEC STARS VOL 8021				GLASS	402	4°C	Relinquished by: (Signature) <i>[Signature]</i>					Date	Time	Received by: (Signature) <i>[Signature]</i>				
5) NYSDEC STARS SEMI-VOL 8270				GLASS	1602	4°C	Relinquished by: (Signature) <i>[Signature]</i>					Date	Time	Received by: (Signature) <i>[Signature]</i>				
6)							Relinquished by: (Signature)					Date	Time	Received by: (Signature)				
7)							Relinquished by: (Signature)					Date	Time	Received by: (Signature)				
8)							Relinquished by: (Signature)					Date	Time	Received by: (Signature)				
9)							Relinquished by: (Signature)					Date	Time	Received by: (Signature)				
10)							Relinquished by: (Signature)					Date	Time	Rec'd for Lab by: (Signature)				

Note: The numbered columns above cross-reference with the numbered columns in the upper right-hand corner.

Upstate Laboratories, Inc.6034 Corporate Drive • E. Syracuse, NY 13057-1017
(315) 437 0255 Fax 437 1209**Chain Of Custody Record**MOD 9/18/01
PAGE 3 of 4

Client: BYARRGORDEN		Client Project # / Project Name: FIBERRIGHT				No. of Containers											Special Turnaround Time _____ (Lab Notification required) Remarks
Client Contact: DON ABRAMS	Phone #: 716-649-9474	Site Location (city/state): 1132 SENECA ST. BUFFALO					1)	2)	3)	4)	5)	6)	7)	8)	9)	10)	
Sample Location:	Date	Time	Matrix	Grab or Comp.	ULI Internal Use Only												
13 4'-6'	8/30/01	1:30	SOIL	GRAB				X									
14 0'-4'		1:45						X									
14 4'-6'		1:45						Y									
15 0'-4'		2:00						Y									
15 4'-6'		2:00						Y									
16 0'-4'		2:15						Y									
16 4'-6'		2:15						Y									
17 0'-4'		2:30						Y									
17 4'-6'		2:30						Y									
18 0'-4'	↓	2:45	↓	↓				X									
parameter and method		sample bottle:		type	size	pres.	Sampled by: (Please Print) DON ABRAMS				ULI Internal Use Only Delivery (check one): <input type="checkbox"/> ULI Sampled <input type="checkbox"/> Pickup <input checked="" type="checkbox"/> Dropoff <input checked="" type="checkbox"/> CC OK						
1)							Company: BYARRGORDEN										
2)							Relinquished by: (Signature) DB. (Signature)				Date 9/10/01	Time 2:30pm	Received by: (Signature) MC/AL				
3) PCBs 8080							Relinquished by: (Signature)				Date	Time	Received by: (Signature)				
4)							Relinquished by: (Signature)				Date	Time	Received by: (Signature)				
5)							Relinquished by: (Signature)				Date	Time	Received by: (Signature)				
6)							Relinquished by: (Signature)				Date	Time	Received by: (Signature)				
7)							Relinquished by: (Signature)				Date	Time	Received by: (Signature)				
8)							Relinquished by: (Signature)				Date	Time	Received by: (Signature)				
9)							Relinquished by: (Signature)				Date	Time	Received by: (Signature)				
10)							Relinquished by: (Signature)				Date	Time	Rec'd for Lab by: (Signature)				

Note: The numbered columns above cross-reference with the numbered columns in the upper right-hand corner.

Upstate Laboratories, Inc.

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Chain Of Custody Record

VAD 9/18/01
PAGE 2 of 4

Client: BURGIVEN		Client Project # / Project Name FIBERIGHT				No. of Containers										Special Turnaround Time: _____ (Lab Notification required)			
Client Contact: DON ABRAMS		Phone # 716-649-9474		Site Location (city/state) BUFFALO 1132 SENECA ST.															
Sample Location:		Date	Time	Matrix	Grab or Comp.	ULI Internal Use Only	1)	2)	3)	4)	5)	6)	7)	8)	9)	10)	Remarks		
#8 4' - 8'		8/30/01	11:15	SOIL	GRAB				X										
#9 0' - 4'			11:30						X										
#9 4' - 8'			11:30						X										
#10 0' - 4'			11:45						X										
#10 4' - 8'			11:45						X										
#11 0' - 4'			1:00						X										
#11 4' - 6'			1:00						X										
#12 0' - 4'			1:15						X										
#12 4' - 6'			1:15						X										
#13 0' - 4'			1:30						X										
parameter and method				sample bottle:	type	size	pres.	Sampled by: (Please Print) DON ABRAMS						ULI Internal Use Only Delivery (check one): <input type="checkbox"/> ULI Sampled <input type="checkbox"/> Pickup <input checked="" type="checkbox"/> Dropoff <input checked="" type="checkbox"/> CC CR					
1) PCBs 8080 PCBs 8080					GLASS	402	4PC	Company: BURGIVEN											
2)								Relinquished by: (Signature) [Signature]						Date 9/4/01	Time 2:30pm	Received by: (Signature) [Signature]			
3) PCBs 8080								Relinquished by: (Signature)						Date	Time	Received by: (Signature)			
4)								Relinquished by: (Signature)						Date	Time	Received by: (Signature)			
5)								Relinquished by: (Signature)						Date	Time	Received by: (Signature)			
6)								Relinquished by: (Signature)						Date	Time	Received by: (Signature)			
7)								Relinquished by: (Signature)						Date	Time	Received by: (Signature)			
8)								Relinquished by: (Signature)						Date	Time	Received by: (Signature)			
9)								Relinquished by: (Signature)						Date	Time	Received by: (Signature)			
10)								Relinquished by: (Signature)						Date	Time	Rec'd for Lab by: (Signature)			

Note: The numbered columns above cross-reference with the numbered columns in the upper right-hand corner.

Upstate Laboratories, Inc.

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(315) 437 0255 Fax 437 1209

Chain Of Custody Record

HDD 9/18/01
PAGE 1 of 4

Client: EVERGREEN		Client Project # / Project Name: FIBERIGHT				No. of Containers										Special Turnaround Time (Lab Notification required)			
Client Contact: DON ABRAMS		Phone # 649 9474		Site Location (city/state): 1132 SENECA ST. BUFFALO															
Sample Location:	Date	Time	Matrix	Grab or Comp.	ULI Internal Use Only	1)	2)	3)	4)	5)	6)	7)	8)	9)	10)	Remarks			
PH-1 & 2	8/30/01	9AM	SOIL	COMP		2	X	X											
PH-2	8/30/01	9AM	WATER	GPAB		3	X	X											
#4 0'-4'		10:00	SOIL	GPAB		1			X										
#4 4'-8'		10:00				1			X										
#5 0'-4'		10:30				1			X										
#5 4'-8'		10:30				1			X										
#6 0'-4'		10:45				1			X										
#6 4'-8'		10:45				1			X										
#7 0'-4'		11:00				3			X	X	X								
#7 4'-8'		11:00				1			X										
parameter and method		sample bottle:		type	size	pres.	Sampled by: (Please Print) DON ABRAMS				ULI Internal Use Only: Delivery (check one): <input type="checkbox"/> ULI Sampled <input type="checkbox"/> Pickup <input checked="" type="checkbox"/> Dropoff <input type="checkbox"/> CC								
1) NYSDCL STARS 8021		GLASS		4oz	8oz	4°C	Company: EVERGREEN				Relinquished by: (Signature) <i>DB/Crean</i>								
2) NYSDCL STARS 8270		GLASS		8oz	16oz	4°C	Date 9/4/01				Time 2:30pm								
3) PCBs 8080		GLASS		4oz	4°C	Received by: (Signature) <i>X</i>													
4) TCL 8260 VOLATILES		GLASS		4oz	4°C	Relinquished by: (Signature)				Received by: (Signature)									
5) TCL 8270 Semi-Volatiles		GLASS		16oz	4°C	Relinquished by: (Signature)				Received by: (Signature)									
6)						Relinquished by: (Signature)				Received by: (Signature)									
7)						Relinquished by: (Signature)				Received by: (Signature)									
8)						Relinquished by: (Signature)				Received by: (Signature)									
9)						Relinquished by: (Signature)				Received by: (Signature)									
10)						Relinquished by: (Signature)				Rec'd for Lab by: (Signature)									

Note: The numbered columns above cross-reference with the numbered columns in the upper right-hand corner.

Syracuse

Rochester

Buffalo

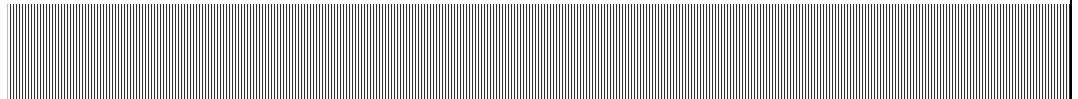
Albany

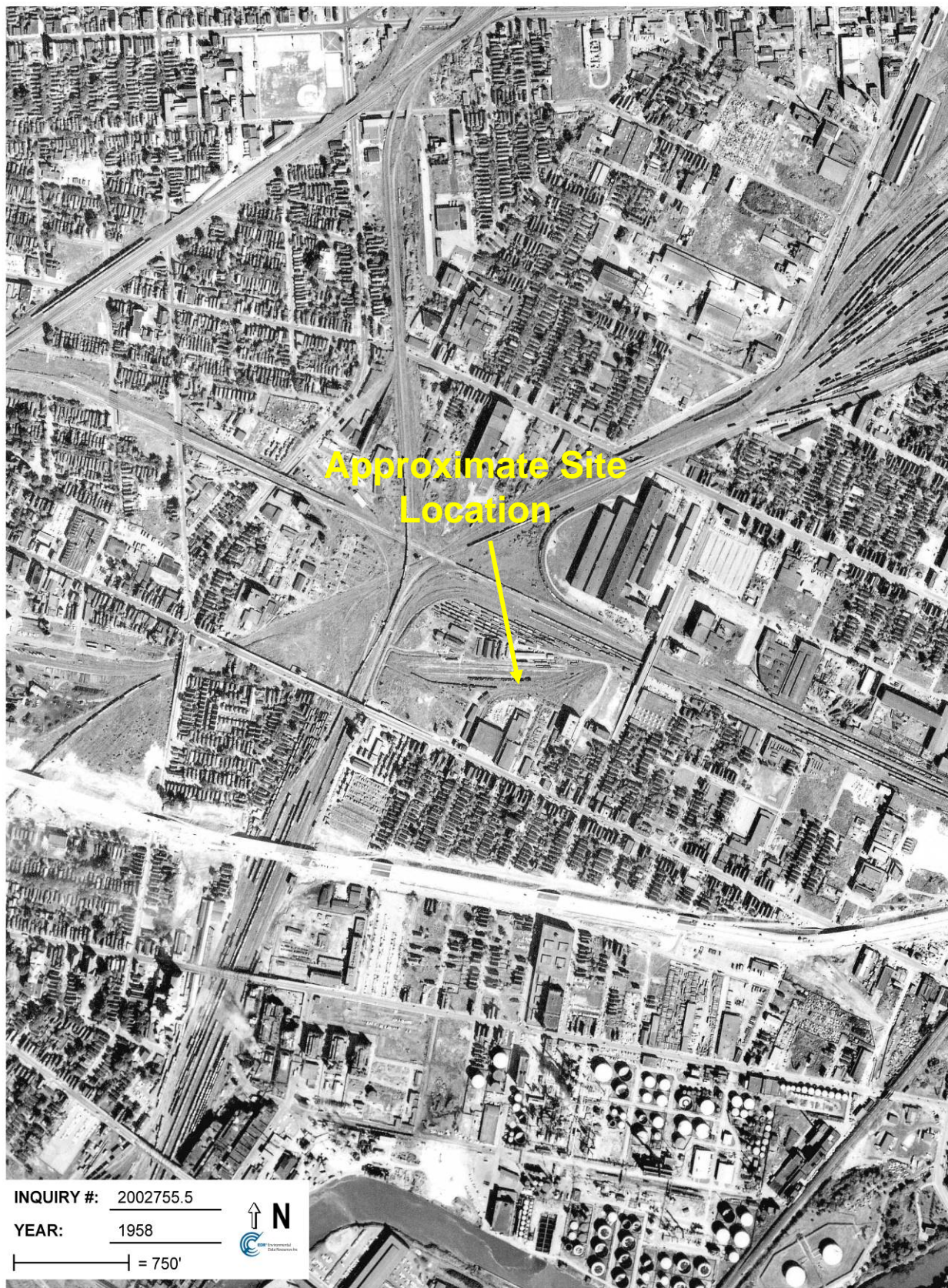
Binghamton

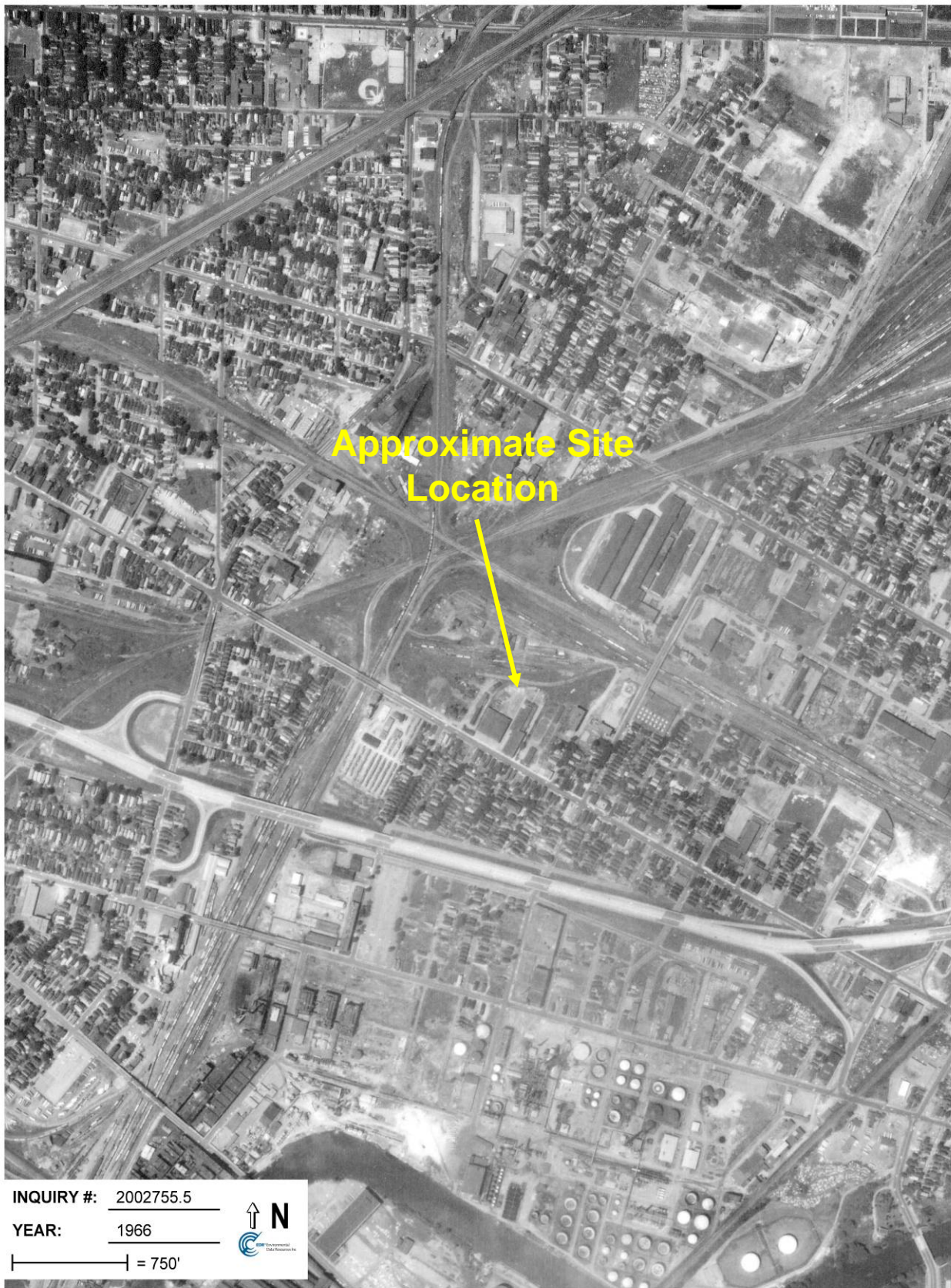
Fair Lawn (NJ)

Appendix D

Historical Aerial Photographs







INQUIRY #: 2002755.5

YEAR: 1966

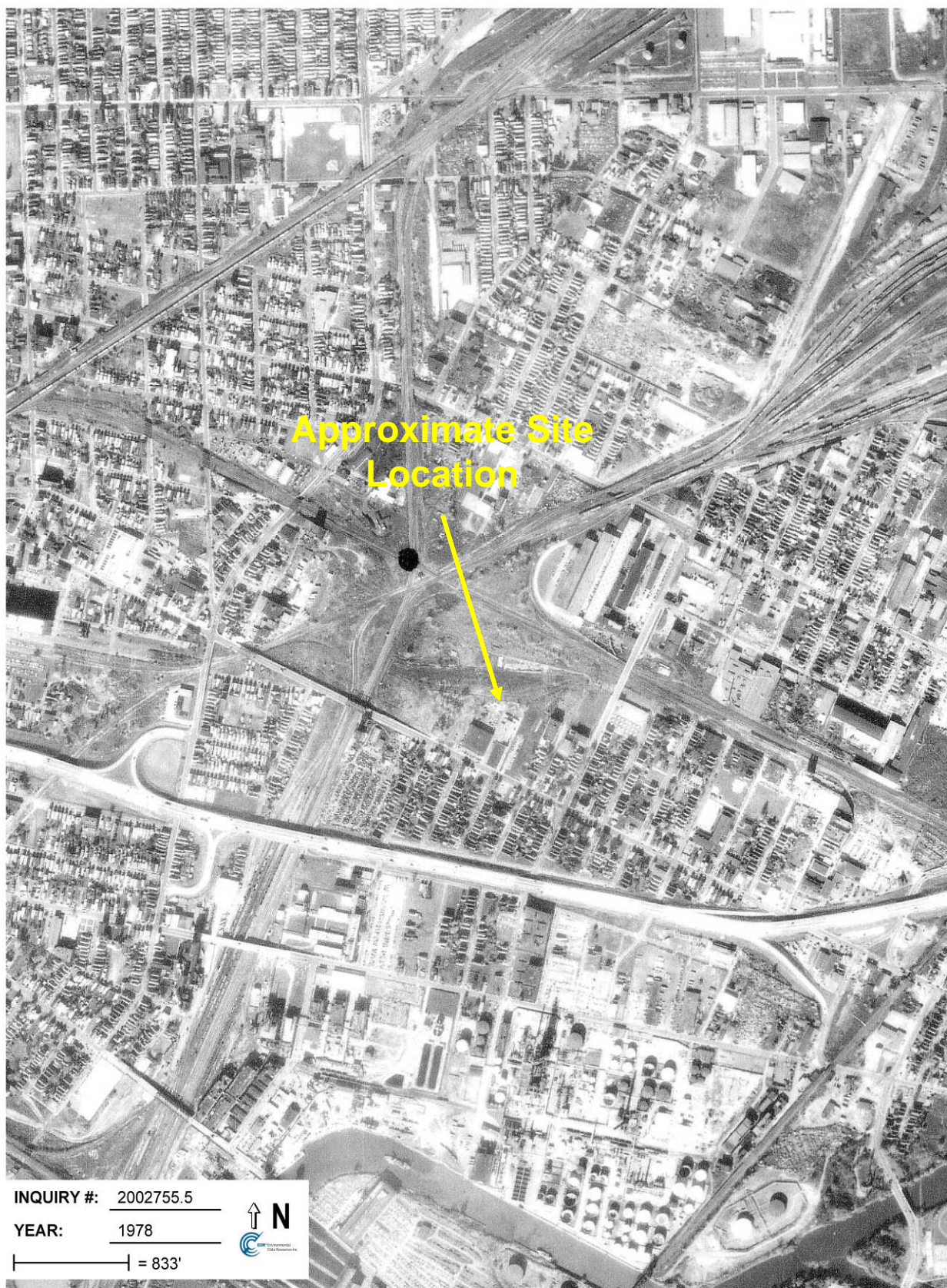
| = 750'

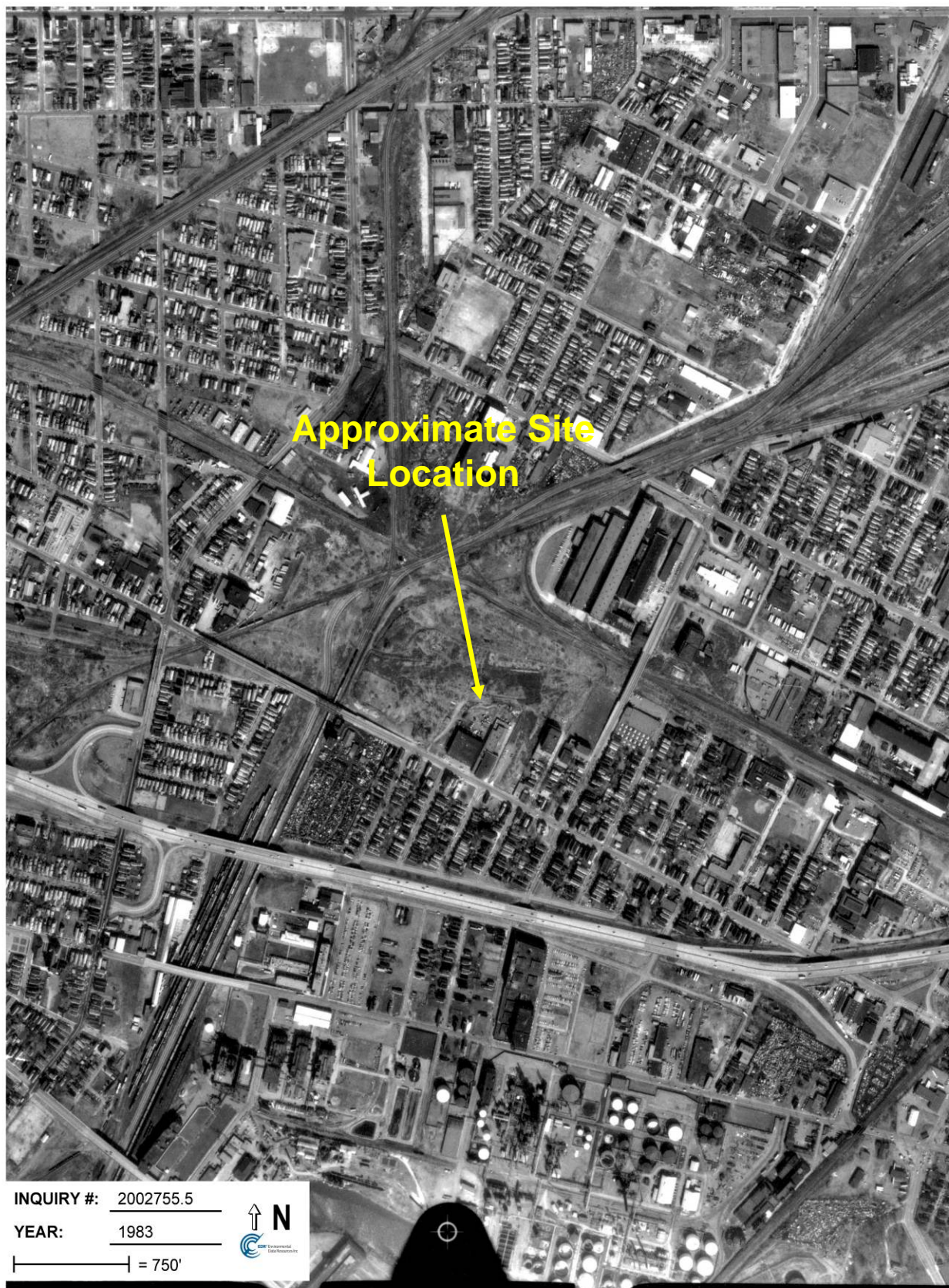


**MALCOLM
PIRNIE**

AERIAL PHOTOGRAPH (1966)
1132 & 1146 SENECA STREET, BUFFALO, NEW YORK

FIGURE D-2





INQUIRY #: 2002755.5

YEAR: 1983

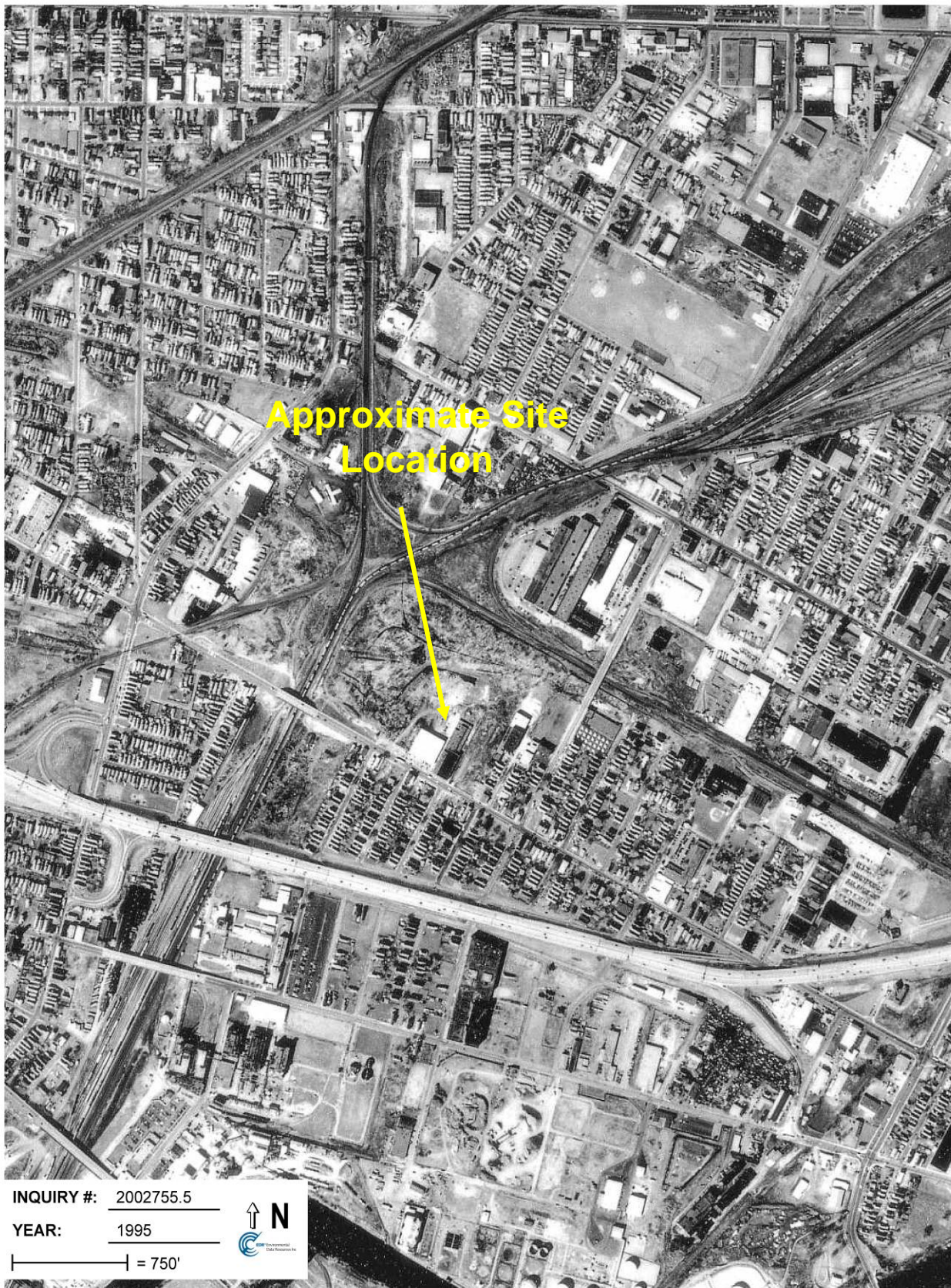
1" = 750'



**MALCOLM
PIRNIC**

AERIAL PHOTOGRAPH (1983)
1132 & 1146 SENECA STREET, BUFFALO, NY

FIGURE D-4



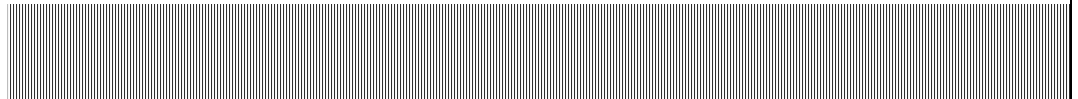
**MALCOLM
PIRNIE**

AERIAL PHOTOGRAPH (1995)
1132 & 1146 SENECA STREET, BUFFALO, NEW YORK

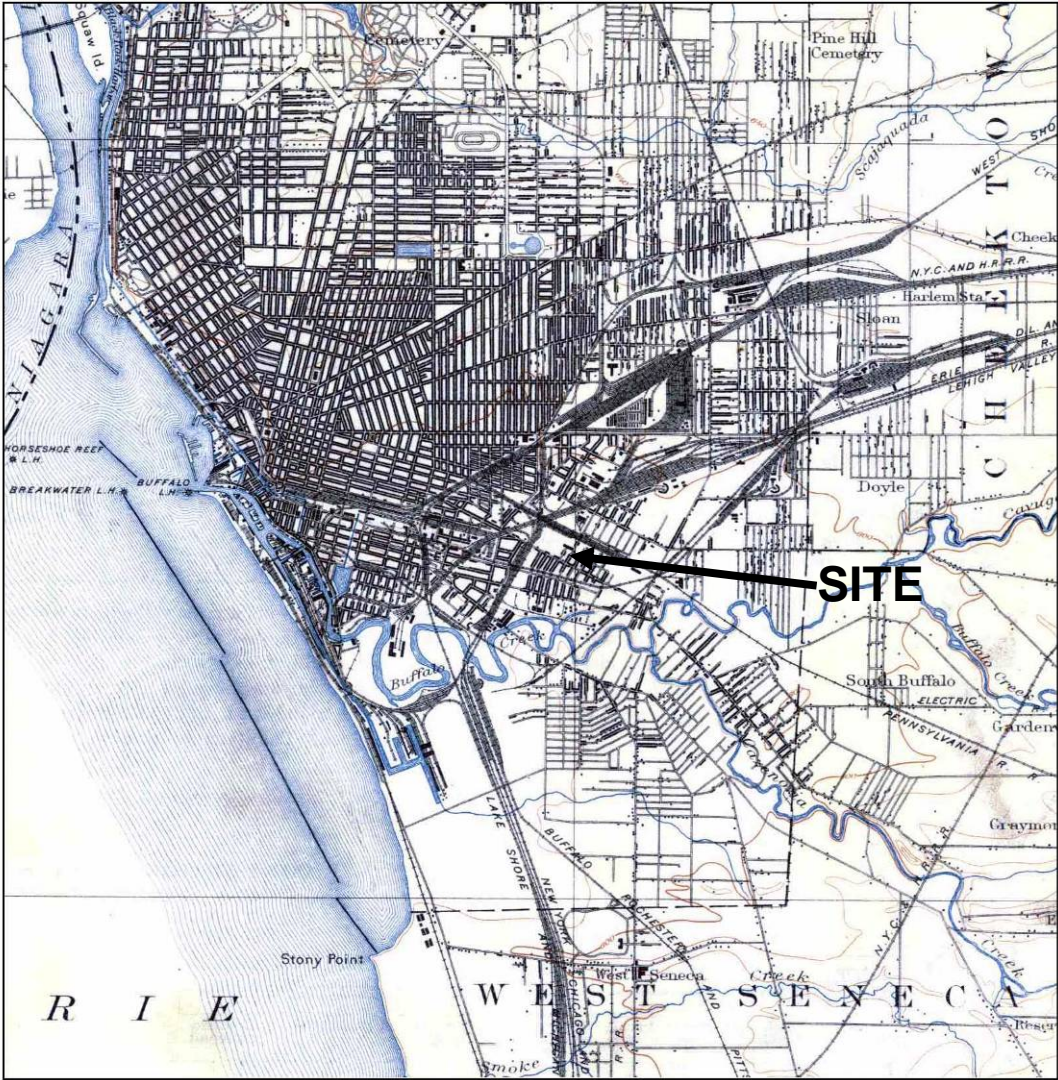
FIGURE D-5


Appendix E

Historical Topographic Maps



Historical Topographic Map



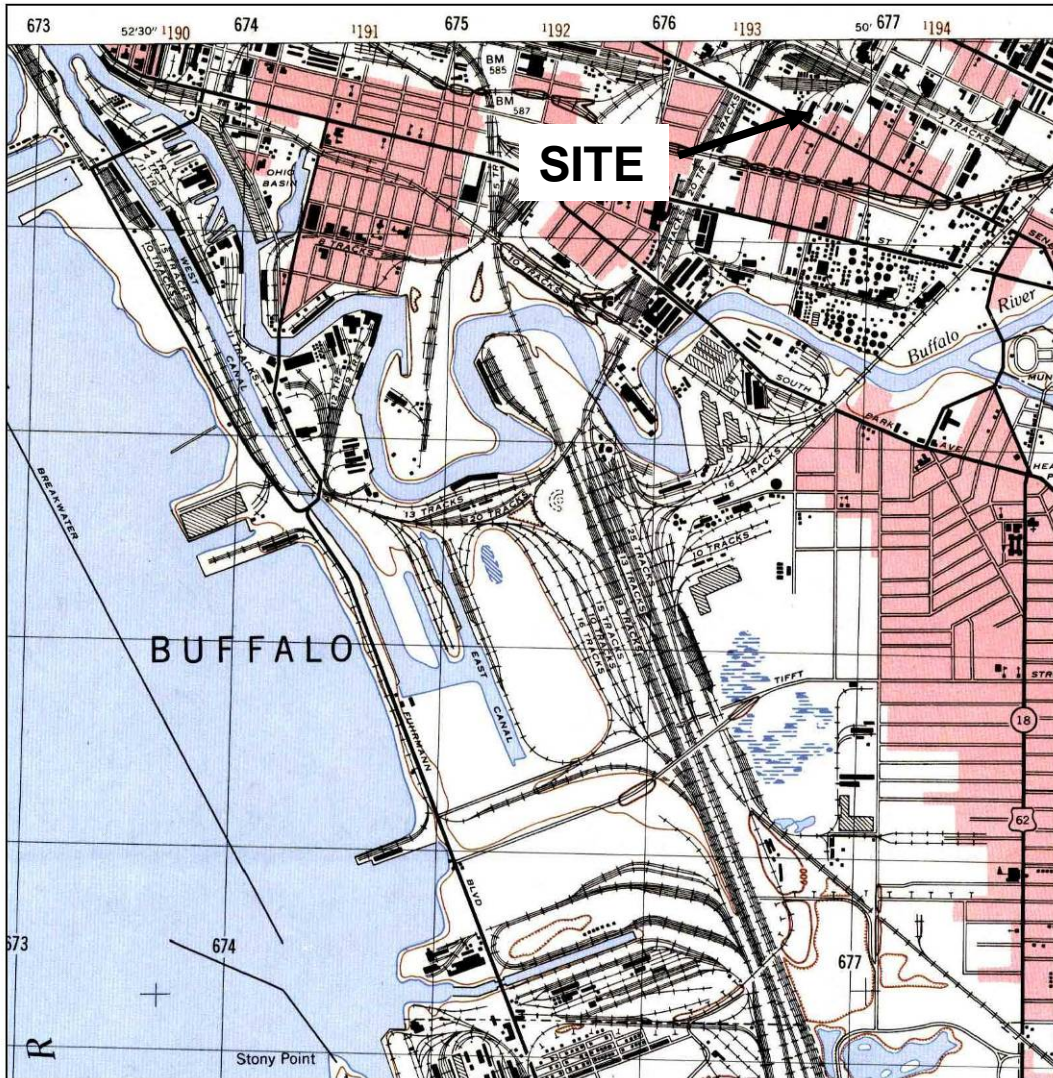
	TARGET QUAD	SITE NAME:	Flexo Transparent	CLIENT:	Malcolm Pirnie, Inc.
	NAME: BUFFALO	ADDRESS:	1132 Seneca Street	CONTACT:	Tracy Hemmerling
	MAP YEAR: 1901		Buffalo, NY 14210	INQUIRY#:	2002755.4
	SERIES: 15	LAT/LONG:	42.8722 / 78.8364	RESEARCH DATE:	08/10/2007
	SCALE: 1:62500				



USGS TOPOGRAPHIC MAP (1901)
1132 & 1146 SENECA STREET, BUFFALO, NEW YORK

FIGURE E-1

Historical Topographic Map



<div> <div>N</div> <div>↑</div> </div>	TARGET QUAD NAME: BUFFALO SE MAP YEAR: 1948	SITE NAME: Flexo Tranparent ADDRESS: 1132 Seneca Street Buffalo, NY 14210 LAT/LONG: 42.8722 / 78.8364	CLIENT: Malcolm Pirnie, Inc. CONTACT: Tracy Hemmerling INQUIRY#: 2002755.4 RESEARCH DATE: 08/10/2007
	SERIES: 7.5		
	SCALE: 1:25000		

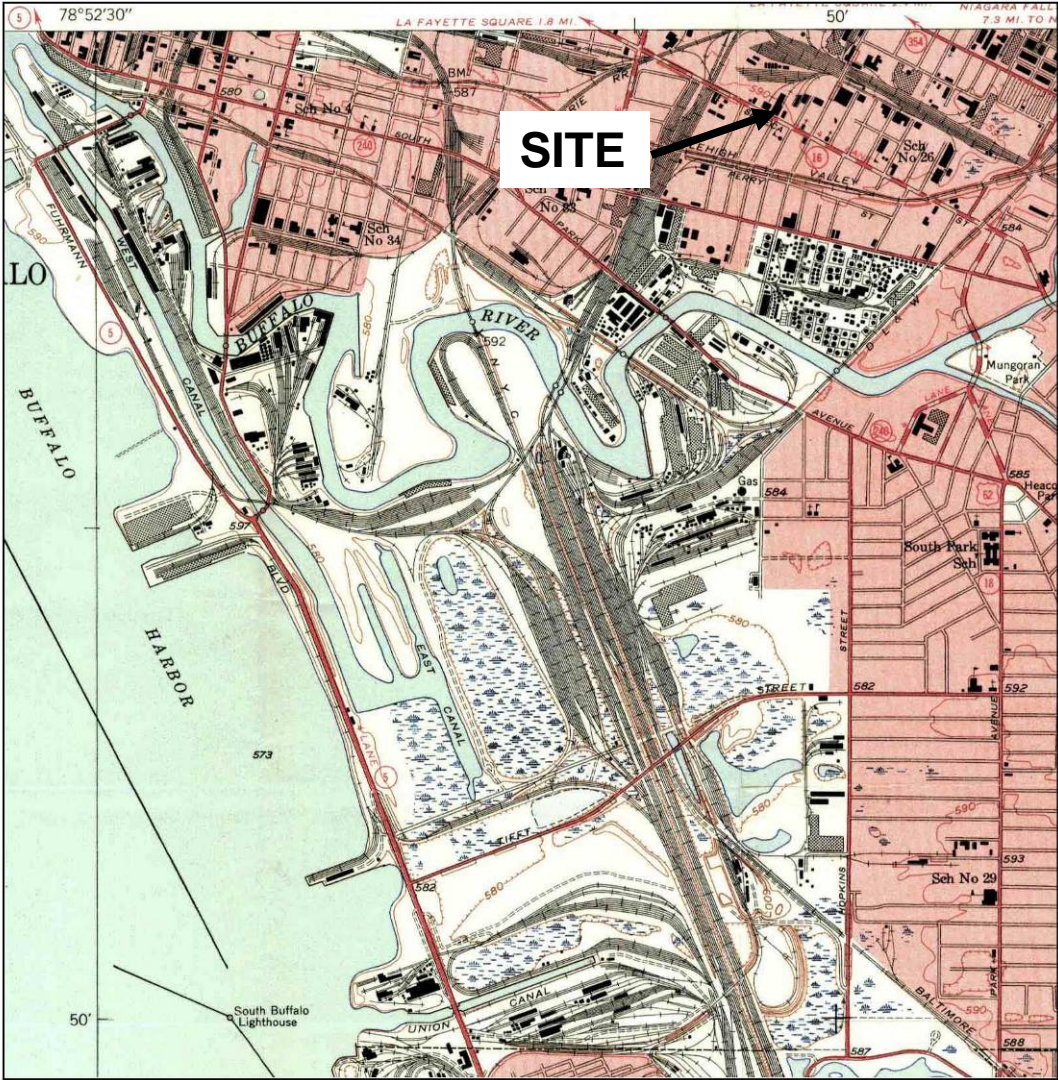


MALCOLM
PIRNIÉ

USGS TOPOGRAPHIC MAP (1948)
1132 & 1146 SENECA STREET, BUFFALO, NEW YORK

FIGURE E-1

Historical Topographic Map



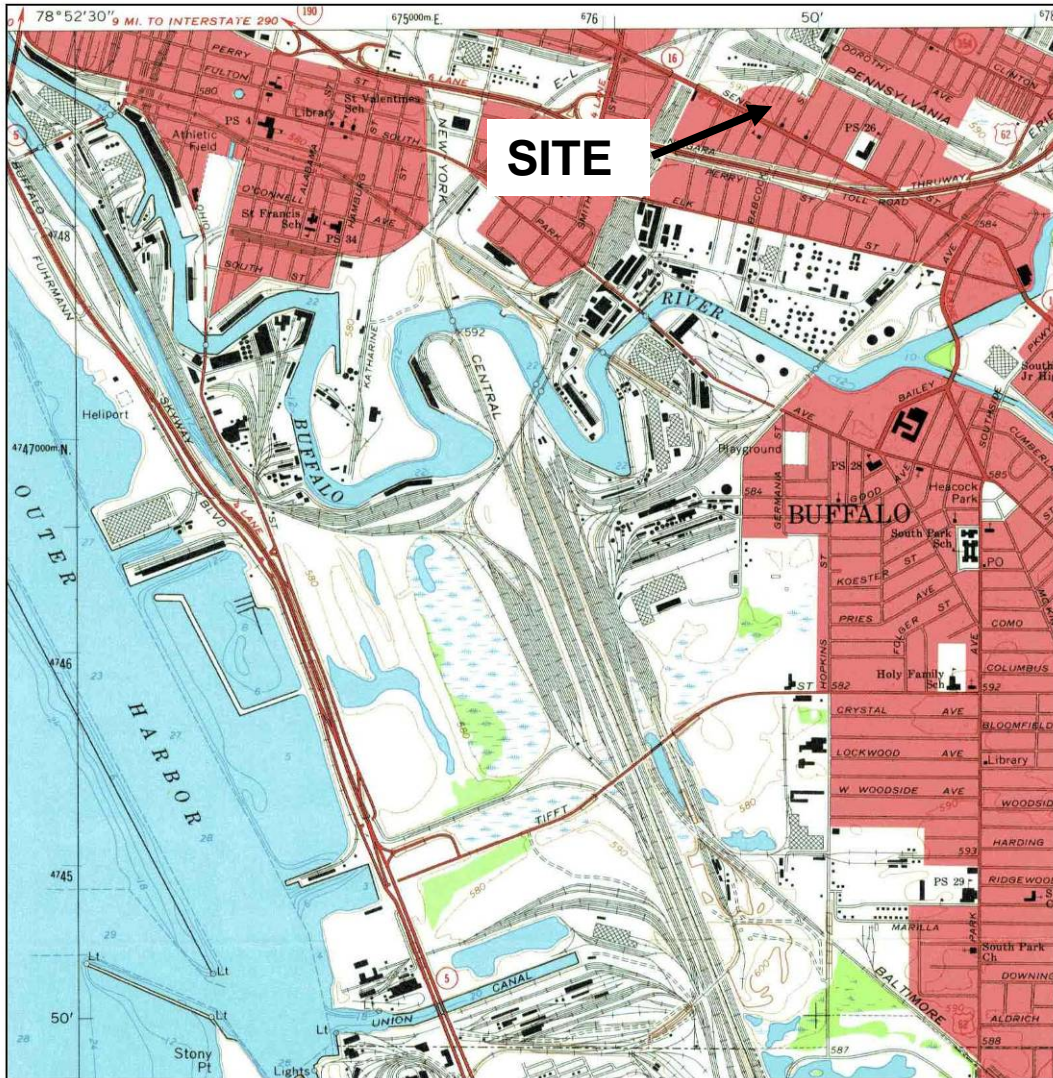
<div><div>N</div><div></div></div>	TARGET QUAD	SITE NAME:	Flexo Tranparent	CLIENT:	Malcolm Pirnie, Inc.
	NAME: BUFFALO SE	ADDRESS:	1132 Seneca Street	CONTACT:	Tracy Hemmerling
	MAP YEAR: 1950		Buffalo, NY 14210	INQUIRY#:	2002755.4
	SERIES: 7.5	LAT/LONG:	42.8722 / 78.8364	RESEARCH DATE:	08/10/2007
	SCALE: 1:24000				



USGS TOPOGRAPHIC MAP (1950)
1132 & 1146 SENECA STREET, BUFFALO, NEW YORK

FIGURE E-1

Historical Topographic Map



<div> <div>N</div> <div>↑</div> </div>	TARGET QUAD NAME: BUFFALO SE MAP YEAR: 1965	SITE NAME: Flexo Tranparent ADDRESS: 1132 Seneca Street Buffalo, NY 14210 LAT/LONG: 42.8722 / 78.8364	CLIENT: Malcolm Pirnie, Inc. CONTACT: Tracy Hemmerling INQUIRY#: 2002755.4 RESEARCH DATE: 08/10/2007



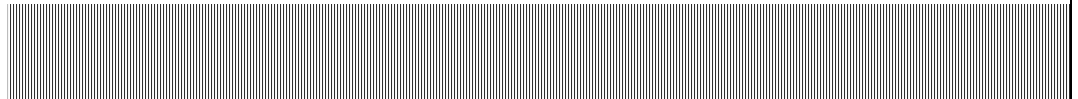
**MALCOLM
PIRNIE**

USGS TOPOGRAPHIC MAP (1965)
 1132 & 1146 SENECA STREET, BUFFALO, NEW YORK

FIGURE E-1

Appendix F

City Directories Report





EDR® Environmental
Data Resources Inc

The EDR-City Directory *Abstract*

**Flexo Tranparent
1132 Seneca Street
Buffalo, NY 14210**

Inquiry Number: 2002755.6

Tuesday, August 14, 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

EDR City Directory Abstract

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract is a screening report designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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SUMMARY

- ***City Directories:***

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1974 through 2006. (These years are not necessarily inclusive.) A summary of the information obtained is provided in the text of this report.

Date EDR Searched Historical Sources: August 14, 2007

Target Property:

1132 Seneca Street
Buffalo, NY 14210

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1974	Westinghouse Elec Rpr	Haines Criss-Cross Directory
1980	Westinghouse Elec Rpr	Haines Criss-Cross Directory
1984	Westinghouse Elec Rpr	Haines Criss-Cross Directory
1990	Eastern Elec Aparatus	Haines Criss-Cross Directory
1995	Eastern Elec Aparatus	Haines Criss-Cross Directory
2000	No Return	Haines Criss-Cross Directory
2006	Buflo Industries Group	Haines Criss-Cross Directory
	Fibreright Mfg Inc	Haines Criss-Cross Directory

Adjoining Properties

SURROUNDING

Multiple Addresses
Buffalo, NY 14210

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1974	*Seneca St*	Haines Criss-Cross Directory
	Address not listed in research source (1107)	Haines Criss-Cross Directory
	Residence (1115)	Haines Criss-Cross Directory
	Hanks Grill (1117)	Haines Criss-Cross Directory
	Cty Buff Engnrg Div (1120)	Haines Criss-Cross Directory
	Seneca Plating (1121)	Haines Criss-Cross Directory
	Residence (1143)	Haines Criss-Cross Directory
	Address not listed in research source (1145)	Haines Criss-Cross Directory
	Residence (1151)	Haines Criss-Cross Directory
	Address not listed in research source (1155)	Haines Criss-Cross Directory

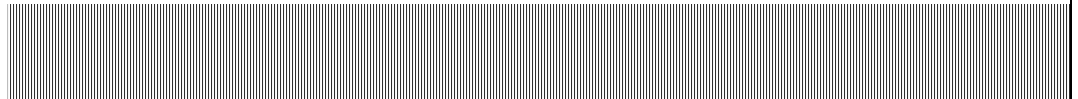
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1974	No Return (1159)	Haines Criss-Cross Directory
	Sarvis Delctsn (1167)	Haines Criss-Cross Directory
	Buf Restrnt Equipt (1168)	Haines Criss-Cross Directory
1980	*Seneca St*	Haines Criss-Cross Directory
	Address not listed in research source (1107)	Haines Criss-Cross Directory
	Napoleons (1115)	Haines Criss-Cross Directory
	Hanks Grill (1117)	Haines Criss-Cross Directory
	Cty Buff Engnrg Div (1120)	Haines Criss-Cross Directory
	Seneca Plating (1121)	Haines Criss-Cross Directory
	No Return (1143)	Haines Criss-Cross Directory
	D&L Indstrl Svce (1145)	Haines Criss-Cross Directory
	Residence (1155)	Haines Criss-Cross Directory
	No Return (1159)	Haines Criss-Cross Directory
	Residence (1167)	Haines Criss-Cross Directory
	Office Building (1168)	Haines Criss-Cross Directory
1984	*Seneca St*	Haines Criss-Cross Directory
	Address not listed in research source (1107)	Haines Criss-Cross Directory
	Napoleons (1115)	Haines Criss-Cross Directory
	Hanks Grill (1117)	Haines Criss-Cross Directory
	Buflo Cty Wrks (1120)	Haines Criss-Cross Directory
	Seneca Polishing (1121)	Haines Criss-Cross Directory
	Residence (1143)	Haines Criss-Cross Directory
	D&L Indstrl Svce (1145)	Haines Criss-Cross Directory
	No Return (1155)	Haines Criss-Cross Directory

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1984	No Return (1159)	Haines Criss-Cross Directory
	Residence (1167)	Haines Criss-Cross Directory
	Seneca Babcock Cmnty (1168)	Haines Criss-Cross Directory
1990	*Seneca St*	Haines Criss-Cross Directory
	Address not listed in research source (1107)	Haines Criss-Cross Directory
	Cigars (1115)	Haines Criss-Cross Directory
	Hanks Grill (1117)	Haines Criss-Cross Directory
	Buflo Cty Wrks (1120)	Haines Criss-Cross Directory
	No Return (1121)	Haines Criss-Cross Directory
	Residence (1143)	Haines Criss-Cross Directory
	D&L Indstrl Svce (1145)	Haines Criss-Cross Directory
	No Return (1155)	Haines Criss-Cross Directory
	No Return (1159)	Haines Criss-Cross Directory
	Residence (1167)	Haines Criss-Cross Directory
	Seneca Babcock Cntr (1168)	Haines Criss-Cross Directory
1995	*Seneca St*	Haines Criss-Cross Directory
	Address not listed in research source (1107)	Haines Criss-Cross Directory
	Residence (1115)	Haines Criss-Cross Directory
	Hanks Grill (1117)	Haines Criss-Cross Directory
	Buflo Cty Wrks Garage (1120)	Haines Criss-Cross Directory
	M B L Envrnmntl Sys (1121)	Haines Criss-Cross Directory
	D&L Indstrl Svce (1145)	Haines Criss-Cross Directory
	Residence (1155)	Haines Criss-Cross Directory
	Residence (1159)	Haines Criss-Cross Directory

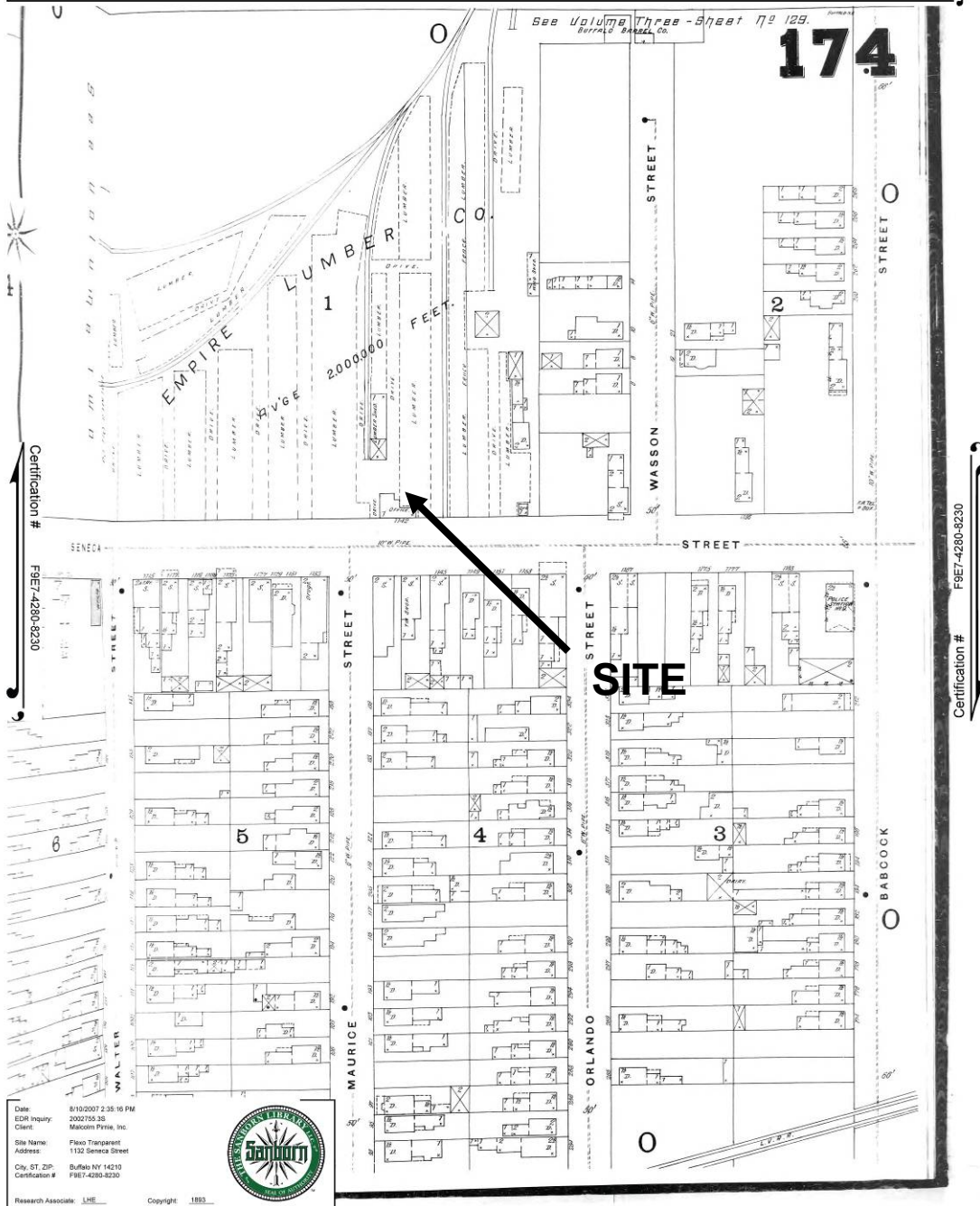
<u>Year</u>	<u>Uses</u>	<u>Source</u>
1995	No Return (1167)	Haines Criss-Cross Directory
	Seneca Babcock Cntr (1168)	Haines Criss-Cross Directory
2000	*Seneca St*	Haines Criss-Cross Directory
	Residence (1107)	Haines Criss-Cross Directory
	Residence (1115)	Haines Criss-Cross Directory
	Buflo Cty Wrks Garage (1120)	Haines Criss-Cross Directory
	D&L Indstrl Svce (1145)	Haines Criss-Cross Directory
	Residence (1155)	Haines Criss-Cross Directory
	Residence (1159)	Haines Criss-Cross Directory
	Residence (1167)	Haines Criss-Cross Directory
	Seneca Babcock Cntr (1168)	Haines Criss-Cross Directory
2006	*Seneca St*	Haines Criss-Cross Directory
	Residence (1107)	Haines Criss-Cross Directory
	Rath Daniel T (1115)	Haines Criss-Cross Directory
	Buflo Cty Wrks Garage (1120)	Haines Criss-Cross Directory
	Residence (1155)	Haines Criss-Cross Directory
	No Return (1167)	Haines Criss-Cross Directory
	Seneca Babcock Cntr (1168)	Haines Criss-Cross Directory

Appendix G

Sanborn Map Report



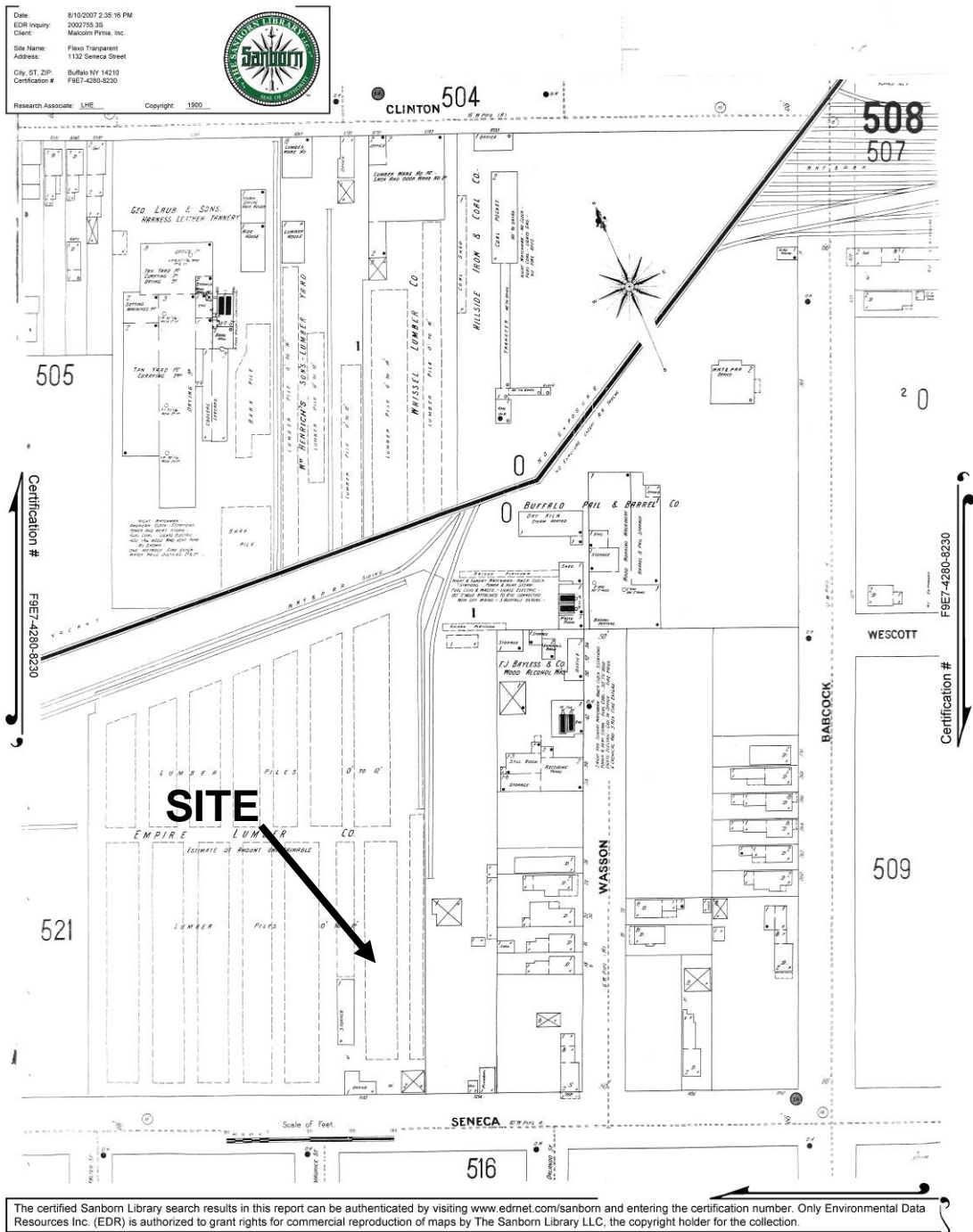
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**MALCOLM
PIRNIÉ**

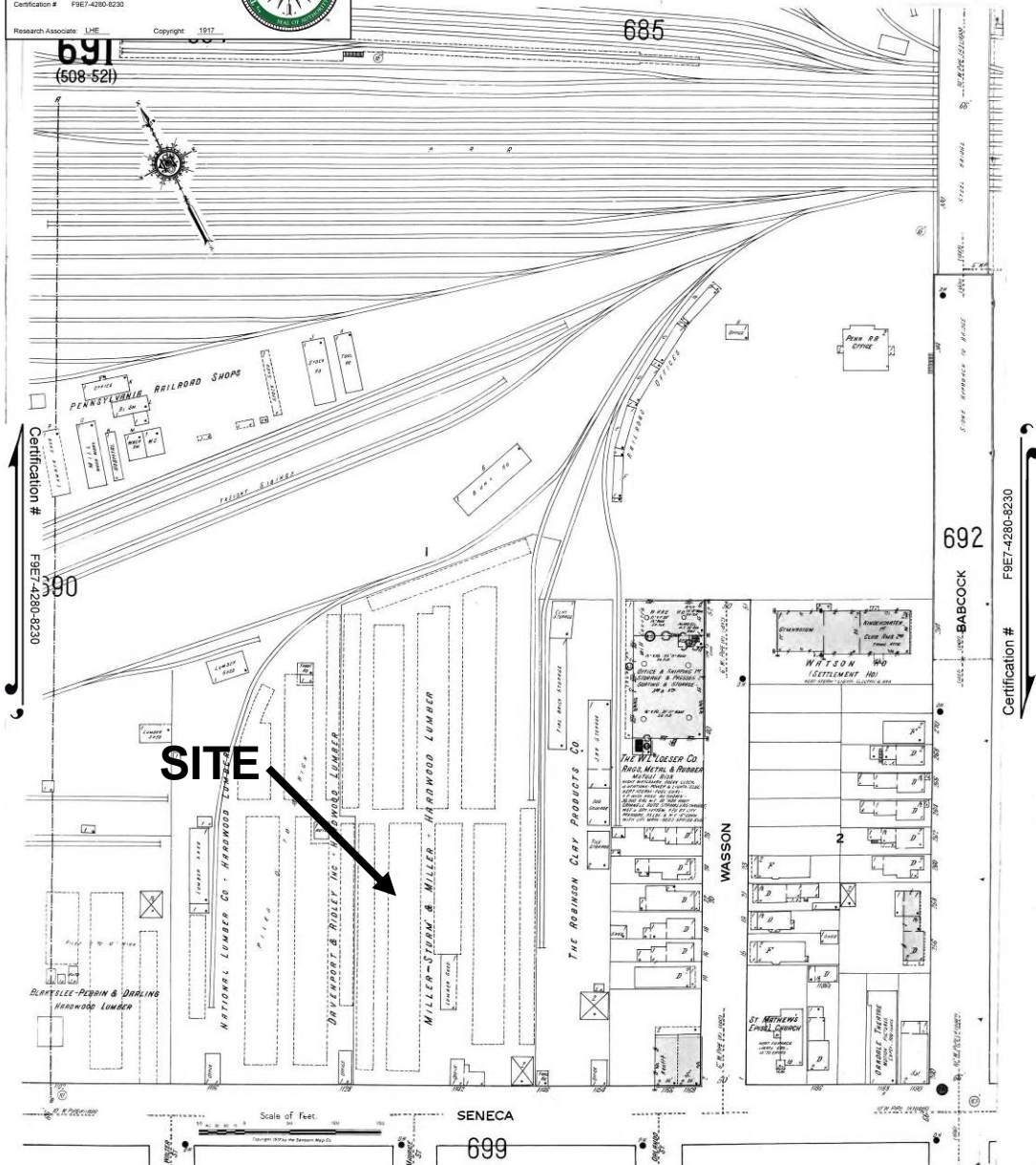
SANBORN FIRE INSURANCE MAP (1893)
1132 & 1146 SENECA STREET, BUFFALO, NEW YORK

FIGURE G-1



Date: 8/10/2007 2:35:16 PM
 EDR Inquiry: 200278538
 Client: Malcolm Pirnie, Inc.
 Site Name: Flexco Transparent
 Address: 1132 Seneca Street
 City, ST, ZIP: Buffalo NY 14210
 Certification #: F9E7-4280-8230

Research Associate: LHE Copyright: 1917



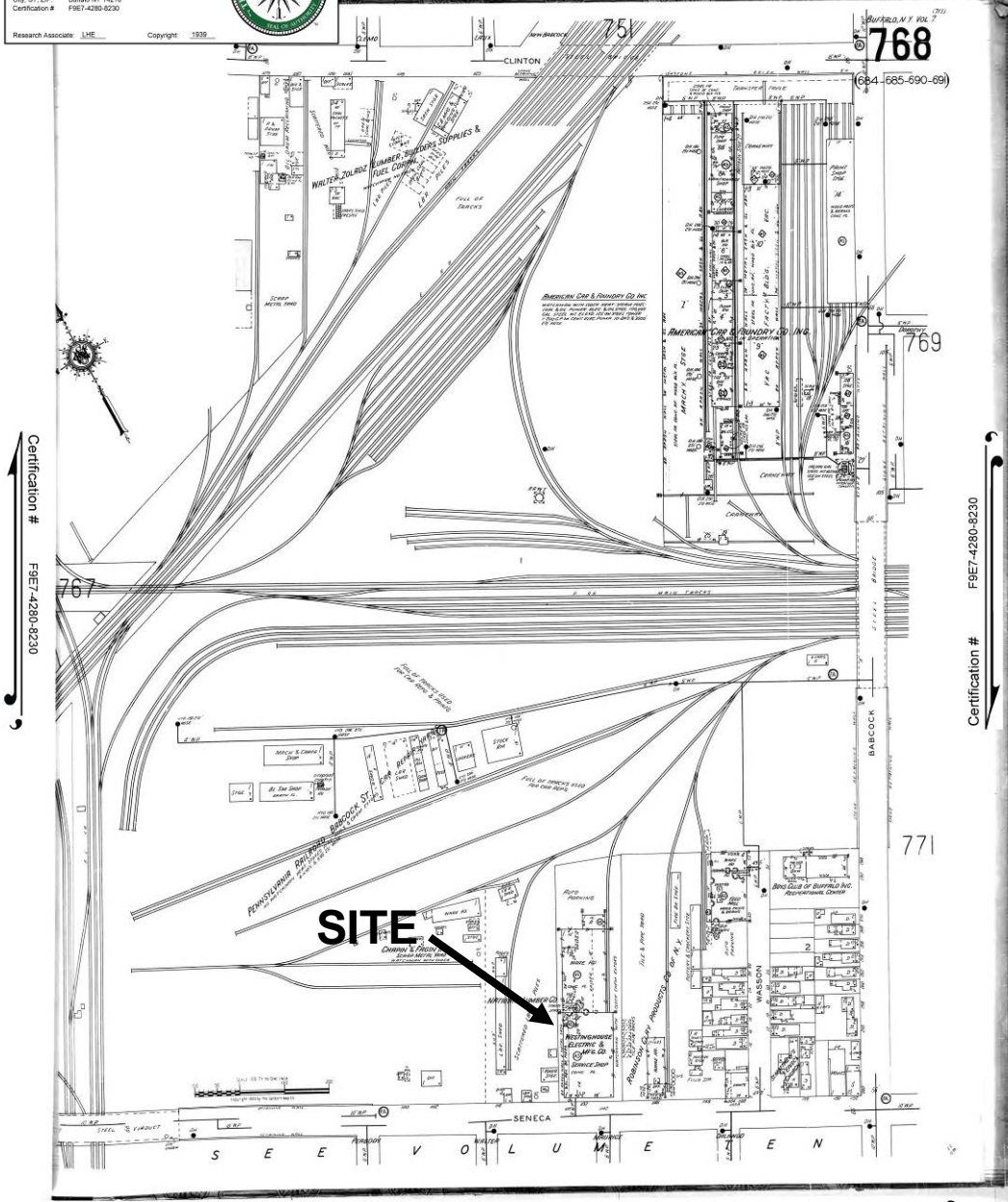
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SANBORN FIRE INSURANCE MAP (1917)
 1132 & 1146 SENECA STREET, BUFFALO, NEW YORK

FIGURE G-3

Date: 9/10/2007 2:35:16 PM
 EDR Inquiry: 2952765-30
 Client: Malcolm Pirnie, Inc.
 Site Name: Flaxo Transport
 Address: 1132 Seneca Street
 City, ST, ZIP: Buffalo NY 14210
 Certification #: F8E7-4280-8230
 Research Associate: LHE
 Copyright: 1939



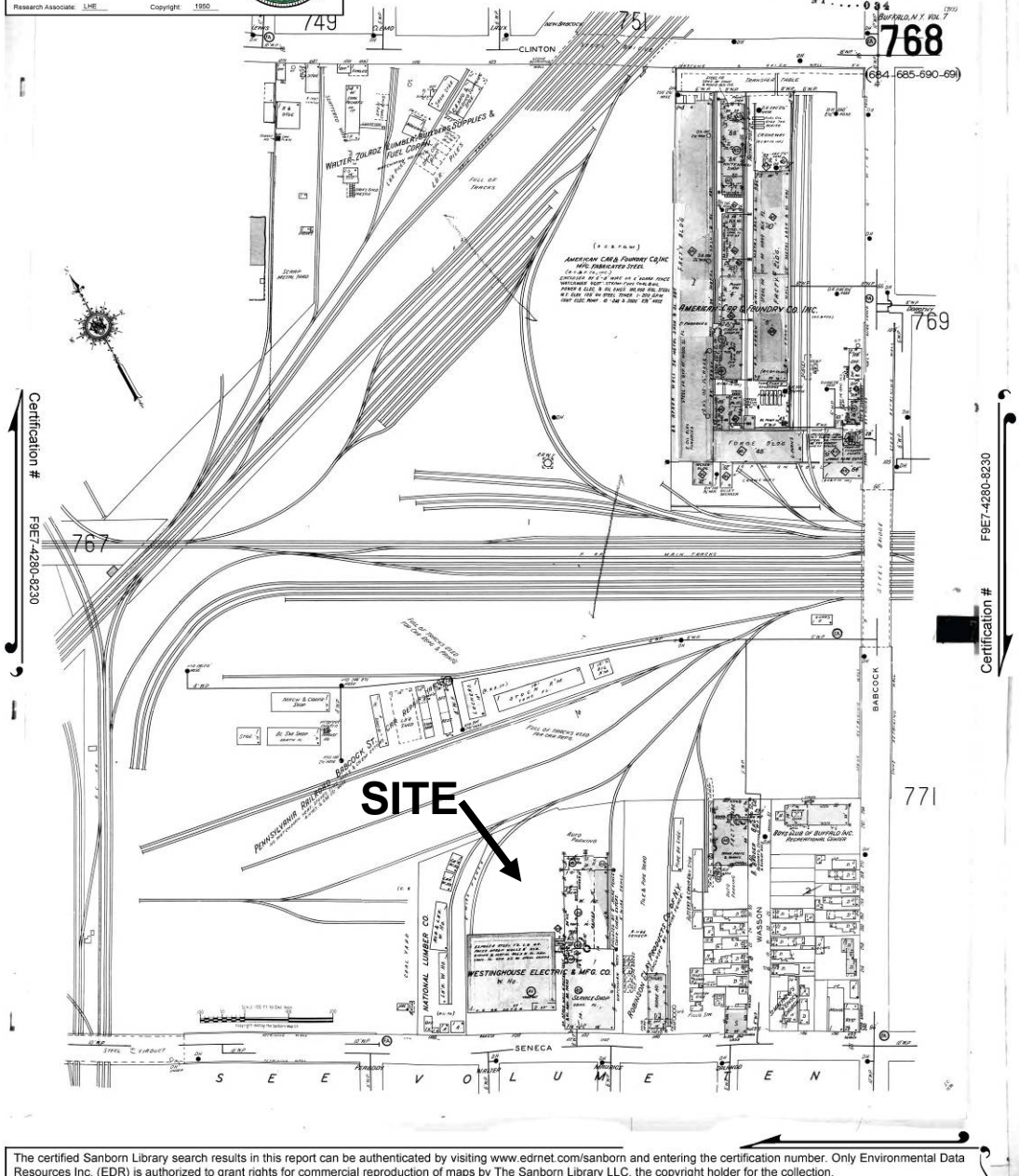
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SANBORN FIRE INSURANCE MAP (1939)
 1132 & 1146 SENECA STREET, BUFFALO, NEW YORK

FIGURE G-4

Date: 8/10/2007 2:35:16 PM
 EDR Inquiry: 2002750-58
 Client: Malcolm Pirnie, Inc.
 Site Name: Flexo Transparent
 Address: 1132 Seneca Street
 City, ST, ZIP: Buffalo NY 14210
 Certification #: F9E7-4280-8230
 Research Associate: LHE Copyright: 1950



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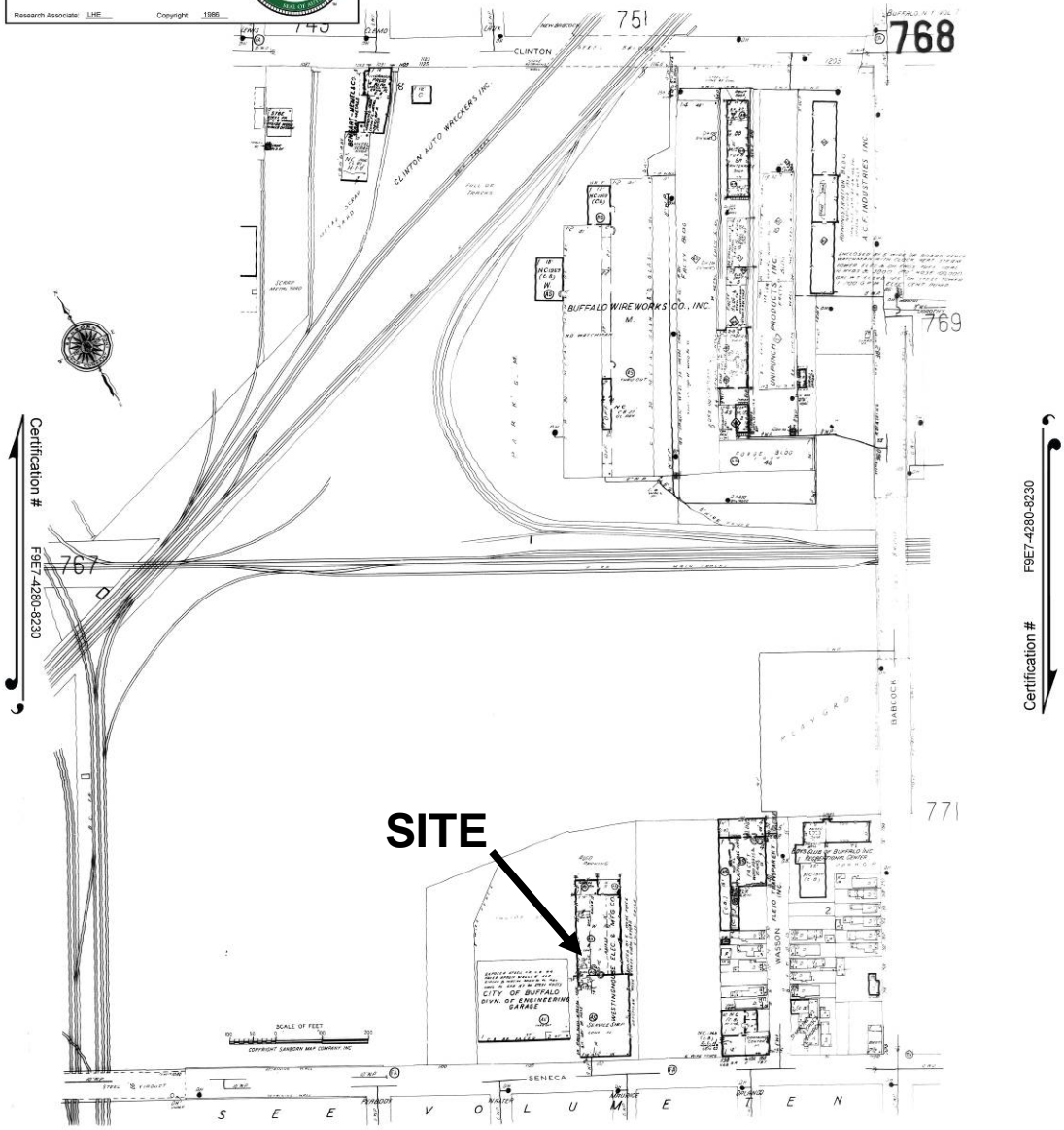


**MALCOLM
PIRNIÉ**

SANBORN FIRE INSURANCE MAP (1950)
 1132 & 1146 SENECA STREET, BUFFALO, NEW YORK

FIGURE G-5

Date: 8/10/2007 2:35:16 PM
 EDR Inquiry: 2002750.16
 Client: Malcolm Pirnie, Inc.
 Site Name: Flexo Transparent
 Address: 1132 Seneca Street
 City, ST, ZIP: Buffalo NY 14210
 Certification #: F9E7-4280-8230
 Research Associate: LHE Copyright: 1986



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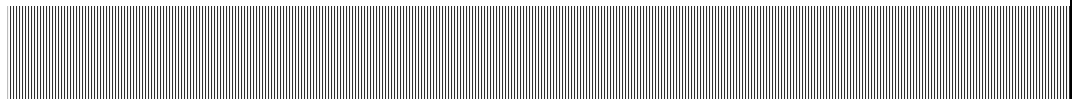


SANBORN FIRE INSURANCE MAP (1986)
 1132 & 1146 SENECA STREET, BUFFALO, NEW YORK

FIGURE G-6

Appendix H

Environmental Lien Search Report



The EDR Environmental LienSearch™ Report

**FLEXO TRANSPARENT
ERIE COUNTY
BUFFALO, NY 14210**

Project Number 02002755.7

Revised August 21, 2007



The Standard in Environmental Risk Information

440 Wheelers Farm Road
Milford, Connecticut 06461

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

EDR Environmental LienSearch™ Report

The EDR Environmental LienSearch Report includes results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers follows established procedures to:

- search for parcel information, legal description, and ownership based on client supplied address information;
- research indexes and title repositories;
- obtain a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument (title, parties involved, and description); and
- provide a copy of the deed.

Thank you for your business.

Please contact EDR at 1-800-352-0050
with any questions or comments.

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EDR Environmental LienSearch™ Report

TARGET PROPERTY INFORMATION

ADDRESS

FLEXO TRANSPARENT
1132 SENECA STREET AND 1146 SENECA STREET
BUFFALO, NY 14210

RESEARCH SOURCE

Sources: Erie County

DEED INFORMATION

Type of Deed: WD ☐ QCD ☐ Other ☒ DEED

Title is vested in: Harrison Industrial Park, Inc.

Title received from: Eastern Electric Apparatus Repair Company, Inc.

Deed Dated: October 14, 1997
Deed Recorded: October 16, 1997
Book: 10922
Page: 5151

LEGAL DESCRIPTION

Description: Legal attached as Exhibit "A"

Assessor's Parcel Number: 123.29-1-10

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

If yes:

1st Party:

2nd Party:

Dated:
Recorded:
Book:
Page:
Comments:

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AUL's: Found ☐ Not Found ☒

EDR Environmental LienSearch™ Report

TARGET PROPERTY INFORMATION

ADDRESS

FLEXO TRANSPARENT
1070 SENECA STREET
BUFFALO, NY 14210

RESEARCH SOURCE

Sources: Erie County

DEED INFORMATION

Type of Deed: WD ☐ QCD ☐ Other ☒ DEED

Title is vested in: 1070 Seneca St., Inc., a corporation organized under the laws of the State of New York

Title received from: Harrison Industrial Park, Inc., a corporation organized under the laws of the State of New York

Deed Dated: December 4, 2000
Deed Recorded: December 4, 2000
Book: 10974
Page: 5208

LEGAL DESCRIPTION

Description: Legal attached as Exhibit "B"

Assessor's Parcel Number: 122.36-1-33

ENVIRONMENTAL LIEN

Environmental Lien: Found ☐ Not Found ☒

If yes:

1st Party:

2nd Party:

Dated:
Recorded:
Book:
Page:
Comments:

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

Other AUL's: Found ☐ Not Found ☒

EDR Environmental LienSearch™ Report

EXHIBIT A

EDR Environmental LienSearch™ Report

EXHIBIT A

ERIE COUNTY CLERKS OFFICE
County Clerk's Recording Page

Return To:

HARTER SECREST & EMERY
ONE MARINE MIDLAND CENTER
SUITE 3550
BUFFALO NY 14203

EASTERN ELECTRIC APPARATUS
REPAIR COMPANY INC
HARRISON INDUSTRIAL PARK INC

COUNTY	\$	27.00
STATE	\$	25.00
COR	\$	5.00
TRANSFER	\$	600.00
	\$	.00
NFTA TT	\$	750.00
	\$	.00
	\$	.00
	\$	.00
Total:	\$	1,407.00

STATE OF NEW YORK
ERIE COUNTY CLERKS OFFICE

**WARNING - THIS SHEET CONSTITUTES THE CLERKS
ENDORSEMENT, REQUIRED BY SECTION 316-a(5) &
SECTION 319 OF THE REAL PROPERTY LAW OF THE
STATE OF NEW YORK. DO NOT DETACH**

DAVID J SWARTS
COUNTY CLERK



D109225151

Index DEED LIBER

Book 10922 Page 5151

No. Pages 0004

Instrument DEED

Date : 10/16/1997

Time : 11:05:15

Control # 199710160371

TT# TT 1997 005480

Employee ID MHA

MORTGAGE TAX

Basic	\$	.00
Special	\$	.00
Special Addl	\$	.00
Total	\$	.00

TRANSFER TAX

CONSIDERATION	\$	150,000.00
Transfer Tax	\$	1,350.00

CONSULT YOUR LAWYER BEFORE SIGNING THIS INSTRUMENT -- THIS INSTRUMENT SHOULD BE USED BY LAWYERS ONLY

THIS INDENTURE, made the 04th day of 1st, 1944, nineteen hundred and
ninety-four

BETWEEN

EASTERN ELECTRIC APPARATUS REPAIR COMPANY, INC.
130 East Randolph
Suite 2900
Chicago, Illinois 60601

party of the first part, and

HARTSON INDUSTRIAL PARK, INC.
P.O. Box 1011 c/o SUITE 3550 MARINE MIDLAND CENTER
Buffalo, New York 14203

party of the second part,

WITNESSETH, that the party of the first part, in consideration of Ten Dollars and other valuable consideration paid
by the party of the second part, does hereby grant and release unto the party of the second part, the heirs or successors
and assigns of the party of the second part forever.

ALL that certain plot, piece or parcel of land, with the buildings and improvements thereon erected, situate, lying and
being in the

SEE SCHEDULE A ATTACHED HERETO

Subject to all covenants, easements and restrictions of record.

The Premises hereby conveyed are not substantially all of the assets of the
Party of the First Part.

TOGETHER with all right, title and interest, if any, of the party of the first part in and to any streets and roads abutting
the above described premises to the center lines thereof; TOGETHER with the appurtenances and all the estate and
rights of the party of the first part in and to said premises; TO HAVE AND TO HOLD the premises herein granted
unto the party of the second part, the heirs or successors and assigns of the party of the second part forever.

AND the party of the first part covenants that the party of the first part has not done or suffered anything whereby the
said premises have been encumbered in any way whatever, except as aforesaid.
AND the party of the first part, in compliance with Section 13 of the Lien Law, covenants that the party of the first part
will receive the consideration for this conveyance and will hold the right to receive such consideration as a trust fund to
be applied first for the purpose of paying the cost of the improvement and will apply the same first to the payment of the
cost of the improvement before using any part of the total of the same for any other purpose.
The word "party" shall be construed as if it read "parties" whenever the sense of this indenture so requires.

IN WITNESS WHEREOF, the party of the first part has duly executed this deed the day and year first above written.

IN PRESENCE OF:

EASTERN ELECTRIC APPARATUS REPAIR COMPANY, INC.

By: Thomas M. Fitzpatrick
Name: Thomas M. Fitzpatrick
Title: Vice President

C311 CTY-150m
DIB-3

STATE OF NEW YORK, COUNTY OF

On the day of , 19 , before me personally came

to me known to be the individual described in and who executed the foregoing instrument, and acknowledged that executed the same.

STATE OF NEW YORK, COUNTY OF

On the 14 day of OCTOBER 19 97 , before me personally came THOMAS M. FITZPATRICK to me known, who, being by me duly sworn, did depose and say that he resides at No. 20 N. Wacker, Ste. 2200,

CHICAGO, ILL. 60606
that he is the SECRETARY

of Eastern Electric Apparatus Repair Company, Inc.

, the corporation described in and which executed the foregoing instrument; that he is a member of said corporation; that he and others to said instrument to said corporation and that it was so ordered by order of the Board of Directors of said corporation, and that he signed his name thereto by the order of the Board of Directors of said corporation.

[Signature]
Notary Public

Buyer and Seller
WITH COVENANT AGAINST GRANTORS ACTS

Title No.

EASTERN ELECTRIC APPARATUS REPAIR COMPANY, INC.

TO

HARRISON INDUSTRIAL PARK, INC.

STATE OF NEW YORK, COUNTY OF

On the day of 19 , before me personally came

to me known to be the individual described in and who executed the foregoing instrument, and acknowledged that executed the same.

STATE OF NEW YORK, COUNTY OF

On the day of 19 , before me personally came the subscribing witness to the foregoing instrument, with whom I am personally acquainted, who, being by me duly sworn, did depose and say that he resides at No.

that he known

to be the individual described in and who executed the foregoing instrument; that he, said subscribing witness, was present and saw execute the same; and that he, said witness, at the same time subscribed his name as witness thereto.



SECTION
BLOCK
LOT
COUNTY OR TOWN

RETURN BY MAIL TO:

HARTER, SECRET & EMERY
One Marina Midland Center
Suite 3350
Buffalo, New York, 14203
Zip No.

Return this form for use of Recording Office.

SCHEDULE A DESCRIPTION

ALL THAT TRACT OR PARCEL OF LAND, situate in the City of Buffalo, County of Erie and State of New York, being parts of Lots Numbers twenty-seven (27) and thirty (30), Township ten (10), Range eight (8) of the Buffalo Creek Reservation, bounded and described as follows:

BEGINNING at a point on the northerly line of Seneca Street, sixty-six (66) feet wide, a distance of one hundred (100) feet westerly from its intersection with the westerly line of Wason Street, forty-nine and five tenths (49.5) feet wide, said point being the southeasterly corner of lands conveyed by deed to Westinghouse Electrical Corporation recorded in the Erie County Clerk's Office in Liber 8337 of Deeds at page 561; running thence north $60^{\circ} 10' 02''$ west along the northerly line of Seneca Street, a distance of three hundred thirty-seven and sixty-two hundredths (337.62) feet to the southwest corner of lands conveyed by deed to Westinghouse Electrical Corporation recorded in the Erie County Clerk's Office in Liber 4374 of Deeds at page 272, said point also being the southeasterly corner of lands conveyed to the City of Buffalo by deed recorded in the Erie County Clerk's Office in Liber 7285 of Deeds at page 599; running thence north $29^{\circ} 50' 38''$ east along the west line of Westinghouse and the east line of the City of Buffalo, a distance of two hundred twenty-seven and four hundredths (227.04) feet to a point; running thence north $60^{\circ} 09' 22''$ west along the south line of Westinghouse and the north line of the City of Buffalo, a distance of twenty-nine and ten hundredths (29.10) feet to a point; running thence north $29^{\circ} 50' 38''$ east along the west line of Westinghouse and the east line of the City of Buffalo, a distance of two hundred forty-seven and sixteen hundredths (247.16) feet to a point on the southerly line of the Western New York and Pennsylvania Railroad, said point also being the northwest corner of Westinghouse and the northeast corner of the City of Buffalo; running thence north $88^{\circ} 43' 39''$ east along the northerly line of Westinghouse by the aforementioned deed and also the northerly line of lands conveyed by deed to Westinghouse Electric and Manufacturing Company recorded in the Erie County Clerk's Office in Liber 2192 of Deeds at page 180, a distance of seventy and eighty-nine hundredths (70.89) feet to a point; running thence south $68^{\circ} 18' 20''$ east along the northerly line of Westinghouse by last mentioned deed, a distance of one hundred twenty-one and thirty-two hundredths (121.32) feet to a point being the northeast corner of last mentioned deed; also being the northwest corner of lands conveyed by deed to Westinghouse by the last mentioned deed; running thence south $60^{\circ} 10' 02''$ east along the north line of Westinghouse by first mentioned deed, a distance of one hundred eighty-five and seven hundredths (185.07) feet to the northeast corner thereof; running thence south $29^{\circ} 44' 58''$ west along the east line of Westinghouse by first mentioned deed, a distance of five hundred twenty-eight (528) feet to the point or place of beginning.

EXHIBIT B

ERIE COUNTY CLERKS OFFICE
County Clerk's Recording Page

Return To:

BOX 401 SJB

HARRISON INDUSTRIAL PARK INC
1070 SENECA ST INC

COUNTY	\$	30.00
STATE	\$	25.00
COE	\$	5.00
TRANSFER	\$	1,080.00
	\$	.00
NFTA TT	\$	1,350.00
	\$	.00
	\$	.00
	\$	.00
Total:	\$	2,490.00

STATE OF NEW YORK
ERIE COUNTY CLERKS OFFICE

WARNING - THIS SHEET CONSTITUTES THE CLERK'S
ENDORSEMENT, REQUIRED BY SECTIONS 319&316-a
(5) OF THE REAL PROPERTY LAW OF THE STATE OF
NEW YORK. DO NOT DETACH. THIS IS NOT A BILL.

DAVID J SWARTS
COUNTY CLERK



0109745208

Index DEED LIBER

Book 10974 Page 5208

No. Pages 0005

Instrument DEED

Date : 12/04/2000

Time : 10:52:29

Control # 200012040215

TT# TT 2000 009740

Employee ID CLS

TRANSFER TAX

CONSIDERATN \$ 270,000.00

TRANSFER TAX \$ 2,430.00

BARGAIN & SALE DEED

401
STB

THIS INDENTURE, made the 4th day of December, 2000.

BETWEEN **HARRISON INDUSTRIAL PARK, INC.**, a corporation organized under the laws of the State of New York having an address of P.O. Box 1011, Buffalo, New York 14240 ("Grantor"), and

1070 SENECA ST., INC., a corporation organized under the laws of the State of New York having an address of 11 Park Place, Cheektowaga, New York 14227 ("Grantee").

WITNESSETH, that the Grantor, in consideration of One and More Dollars (\$1.00 & More), lawful money of the United States, paid by the Grantee, does hereby grant and release unto the Grantee, its successors and assigns forever,

ALL THAT TRACT OR PARCEL OF LAND described on Schedule A annexed hereto.

TOGETHER with the appurtenances and all the estate and rights of the Grantor in and to said premises,

19196
215

270M
DIB-4 - 0

TO HAVE and to hold the premises herein granted unto the Grantee,
and assigns forever.

AND the Grantor covenants that it has not done or suffered anything whereby the
said premises have been encumbered in any way whatever.

THE Grantor, in compliance with Section 13 of the Lien Law, covenants that the
Grantor will receive the consideration for this conveyance and will hold the right to receive such
consideration as a trust fund to be applied first for the purpose of paying the cost of the
improvement and will apply the same first to the payment of the cost of the improvement before
using any part of the total of the same for any other purpose.

THE Grantor further covenants that this conveyance is not all or substantially all
of the assets of the Grantor.

IN WITNESS WHEREOF, the Grantor has caused these presents to be signed
by its duly authorized officer the day and year first above written.

HARRISON INDUSTRIAL PARK, INC.

By Theodore W. Kosiorck
Name: Theodore W. Kosiorck
Title: President

STATE OF NEW YORK

COUNTY OF ERIE

}
} ss.
)

On the 4th day of December in the year 2000, before me, the
undersigned, personally appeared THEODORE W. KOSIORCK, personally known to me or
proved to me on the basis of satisfactory evidence to be the individual whose name is subscribed
to the within instrument and acknowledged to me that he/she executed the same in his/her
capacity, and that by his/her signature on the instrument, the individual, or the person upon behalf
of which the individual acted, executed the instrument.

[Signature]
Notary Public
JAMES I. COFFINO
Notary Public, State of New York
Qualified in Erie County
My Commission Expires 01/01/02

Record and Return to:

BELO Doc # 10401412

SCHEDULE A

ALL THAT TRACT OR PARCEL OF LAND situate in the City of Buffalo, County of Erie, and State of New York, being part of Lots Nos. 27, 30, 31 and 34, Township 10, Range 8 of the Lovejoy and Emalie Survey of part of the Buffalo Creek Reservation and being that property of the former Western New York and Pennsylvania Railway (predecessor of American Premier Underwriters, Inc., formerly The Penn Central Corporation) and being further bounded and described according to a plan of survey made by Gerald T. Gertis, Licensed Land Surveyor No. 41547, dated September 2, 1977 and last revised January 22, 1988, as follows:

BEGINNING at a point on the northerly right of way line of Seneca Street, said point being 623.00 feet westerly along said right of way line from the westerly right of way line of Wasson Street and said point being the intersection of the westerly line of land of the City of Buffalo by Liber 7283 of Deeds at page 599 with the said northerly right of way line; thence westerly along said northerly right of way line of Seneca Street a measured distance of 164.60 feet, more or less, to a point at the easterly line of land appropriated by the New York Department of Transportation on March 22, 1988; thence northeasterly along said appropriation line, forming an interior angle of 90° for a measured distance of 5.98 feet to a point; thence northwesterly along a northerly line of said appropriation at an angle deflecting to the left of $80^\circ 28' 48''$ a distance of 489.75 feet, more or less, to an angle point on said appropriation line; thence continuing westerly along a northerly line of said appropriation at an angle deflecting to the left of $8^\circ 09' 05''$ a measured distance of 108.98 feet to a point in the west line of said Lot No. 34; thence northerly forming an interior angle of $90^\circ 54' 21''$ and along the west line of said Lot No. 34 a measured distance of 617.09 feet to a point of curvature; thence northeasterly and easterly on a curve to the right having a radius of 356.55 feet and a central angle of $89^\circ 45' 03''$, an arc length distance of 558.51 feet to a point of tangency, said point being on the northerly line of said Lot No. 34, also being the southerly line of the former Western New York and Pennsylvania Railroad; thence easterly along said southerly line and also the northerly lines of Lots Nos. 34, 31, 30 and 27, a measured distance of 1,269.98 feet to a point on the westerly right of way line of Babcock Street (66.00 feet wide); thence southerly along said right of way line at an interior angle of $90^\circ 02' 05''$, a measured distance of 183.54 feet to a point; thence westerly at an interior angle of $89^\circ 55' 10''$, a distance of 170.00 feet to the northwest corner of lands conveyed to the Boy's Club of Buffalo by Liber 7833 of Deeds at page 142; thence southerly at an exterior angle of $89^\circ 55' 10''$, a distance of 100.00 feet to a point; thence westerly at an interior angle of $89^\circ 55' 10''$, a distance of 180.00 feet to the northwest corner of lands conveyed to A. Broder Bag Company by Liber 8269 of Deeds at page 69; thence southerly at an exterior angle of $89^\circ 55' 10''$, a distance of 250.00 feet to a point; thence westerly, parallel with Seneca Street, at an interior angle of $89^\circ 55' 10''$ a measured distance 184.60 feet to a point; thence westerly at a measured exterior angle of $173^\circ 21' 42''$, a measured distance of 124.47 feet to a point; thence southwesterly at an interior angle of $100^\circ 08' 49''$, a distance of 157.58 feet to a point; thence northwesterly at an interior angle of $100^\circ 08' 49''$, a distance of 21.35 feet to a point; thence southwesterly on a curve to the left, having a radius of 206.678 feet and a central angle of $43^\circ 15' 35''$, an arc length distance of 156.05 feet to a point; thence southerly along the westerly line of the City of Buffalo by the aforementioned deed a distance of 310.00 feet to the place or point of beginning, forming an interior angle of $89^\circ 41' 32''$ from the first herein described northerly right of way line of Seneca Street.

EXCEPTING THEREOUT AND THEREFROM THAT 4.169 acre parcel of land conveyed by The Penn Central Corporation to the City of Buffalo Department of Public Works by Deed dated February 2, 1994 recorded in Liber 10867 of Deeds at page 4697, described as follows:

BEGINNING at a point in the north line of Seneca Street (66.00 feet wide) said point being the southwest corner of lands conveyed to the City of Buffalo by deed filed in the Erie County Clerk's Office in Liber 7285 at page 599, said point of beginning also described as being 623.00 feet west of the west line of Wasson Street (49.50 feet wide); thence west or along the north line of Seneca Street 45.00 feet to a point; thence northeasterly along a line forming an interior angle of 102° , a distance of 104.42 feet to a point of curve; thence northwesterly and along a curve to the left having a radius of 136.00 feet, an arc distance of 166.15 feet to a point of tangency; thence northwesterly along a line drawn tangent to the above described curve, a distance of 54.58 feet to a point, said point being 216.14 feet northeasterly of the north line of Seneca Street as measured along a line drawn perpendicularly to Seneca Street and through a

SCHEDULE A (Cont.)

point in the north line of Seneca Street which is 234.06 feet northwesterly of the point of beginning; thence northeasterly and along the above described perpendicular line, a distance of 484.00 feet to a point; thence southeasterly and parallel to Seneca Street, a distance of 430.84 feet to a point; thence southwesterly and along a line forming an interior angle of $90^{\circ} 18' 28''$ a distance of 193.58 feet, more or less, to a point of intersection with the northeast extension of the northwest boundary line of lands conveyed to the City of Buffalo by deed filed in Liber 7285 at page 599; thence westerly along said boundary line and its extension, a distance of 138.42 feet to an angle point in the boundary of Liber 7285 at page 599; thence northwesterly on a line forming an interior angle of $100^{\circ} 08' 49''$, said line being the northeast boundary line of land described in Liber 7285 at page 599, a distance of 21.35 feet to a point in a curve; thence southwesterly along a curve to the left (the above described line being radial to said curve) having a radius of 206.68 feet and an arc distance of 156.05 feet to a point; thence southwesterly along a line which is not tangent to the above described curve 310.00 feet on a direct line to the point of beginning.

ALSO EXCEPTING THEREOUT AND THEREFROM that 1,135 square foot parcel of land conveyed by The Penn Central Corporation to Consolidated Rail Corporation by deed dated November 15, 1984 recorded in Liber 9418 of Deeds at page 538, described as follows:

BEGINNING at a point in the westerly line of Outer Lot 34, distant 15 feet, measured southeastwardly at right angles from the center line of Granger's track connecting the Buffalo-Harrisburg Main Line with the Buffalo Creek Railroad, 221 feet more or less, measured along said westerly lot line, from the northwesterly corner of said Outer Lot 34; thence (1) northeasterly in a line curving to the right and parallel to said center line of track 81 feet to a point; thence (2) southeastwardly, radially to said center line of track 11 feet to a point; thence (3) southwestwardly in a straight line 109 feet more or less to a point in said westerly lot line distant 34 feet, measured southwestwardly along said lot line from the beginning point herein; thence (4) northeasterly, 34 feet, measured along said westerly lot line to the point of beginning.

EXCEPTING AND RESERVING TO THE GRANTOR the following:

ALL THAT TRACT OR PARCEL OF LAND situate in the City of Buffalo, County of Erie and State of New York, being part of Outer Lot Nos. 31 and 34, township 10, range 8 of the Lovejoy and Emalle Survey of part of the Buffalo Creek Reservation and being part of that property of the former Western New York and Pennsylvania Railway (predecessor of American Premier Underwriters, Inc., formerly The Penn Central Corporation) and being further bounded and described according to a plan of survey made by Gerald T. Gertis, Licensed Land Surveyor No. 41547, dated September 2, 1977 and last revised January 22, 1988, as follows:

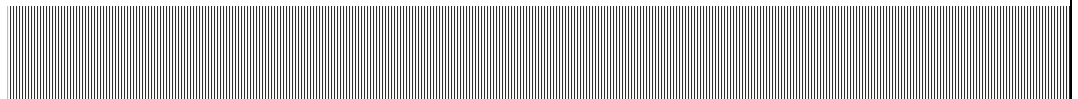
BEGINNING at a point on the northeast line of land appropriated by the New York Department of Transportation on March 22, 1983, said land being known and designated as Map No. 39, Parcel No. 31, which point is 45.0 feet southerly of the intersection of said northeast line of said appropriated land with the west line of said Outer Lot No. 31 as measured along said northeast line; thence northeasterly along a line running at right angles to Seneca Street, 120.0 feet to a point; thence northwesterly parallel with Seneca Street, 300.0 feet to a point; thence southwesterly along a line running at right angles to Seneca Street, 71.25± feet to said northeast line of said appropriated land; thence southerly along said northeast line of said appropriated land, 307.50± feet to the point or place of beginning.

AND ALSO RESERVING TO THE GRANTOR, its successors and assigns, and easement and right of way over the premises hereby conveyed for the benefit of the above described parcel reserved by the Grantor, for vehicular and pedestrian access to and from Seneca Street, and through the premises hereby conveyed to adjacent lands of the Grantor.

AND THE GRANTOR hereby grants and releases unto the Grantee, its successors and assigns an easement and right of way over the above described parcel reserved by the Grantor, for the benefit of the premises hereby conveyed, for vehicular and pedestrian access over said parcel, for access to portions of the premises hereby conveyed, and for the installation, maintenance and repair of utility lines through said parcel to service the premises hereby conveyed.

Appendix I

Site Photographs



Project: 1132 Seneca Street		Location: Buffalo, NY	Project No. 6105-001
Photo No. 1	Date: 8/14/07		
Direction Photo Taken: North			
Description: Paved access road located along the western property boundary			

Project: 1132 Seneca Street		Location: Buffalo, NY	Project No. 6105-001
Photo No. 2	Date: 8/14/07		
Direction Photo Taken: North			
Description: Fiber pallets stored at the northern end of the paved access road			


Project: 1132 Seneca Street		Location: Buffalo, NY	Project No. 6105-001
Photo No. 3	Date: 8/14/07		
Direction Photo Taken: East			
Description: Dumpster located in the unpaved area located north of the manufacturing building			

Project: 1132 Seneca Street		Location: Buffalo, NY	Project No. 6105-001
Photo No. 4	Date: 8/14/07		
Direction Photo Taken: Northeast			
Description: Unpaved area located north of the manufacturing building			

Project: 1132 Seneca Street		Location: Buffalo, NY	Project No. 6105-001
Photo No. 5	Date: 8/14/07		
Direction Photo Taken: Northeast			
Description: Unpaved area located north of the manufacturing building			

Project: 1132 Seneca Street		Location: Buffalo, NY	Project No. 6105-001
Photo No. 6	Date: 8/14/07		
Direction Photo Taken: East			
Description: Unpaved area located north of the manufacturing building			

Project: 1132 Seneca Street		Location: Buffalo, NY	Project No. 6105-001
Photo No. 7	Date: 8/14/07		
Direction Photo Taken: South			
Description: Access road located along the western property boundary			

Project: 1132 Seneca Street		Location: Buffalo, NY	Project No. 6105-001
Photo No. 8	Date: 8/14/07		
Direction Photo Taken: South			
Description: Unpaved area located north of the manufacturing building			

Project:

1132 Seneca Street

Location:

Buffalo, NY

Project No.

6105-001

Photo No.**9****Date:**

8/14/07

**Direction Photo
Taken:**

South

Description:

Paved access road and
rail spur along the eastern
site boundary

**Project:**

1132 Seneca Street

Location:

Buffalo, NY

Project No.

6105-001

Photo No.**10****Date:**

8/14/07


**Direction Photo
Taken:****Description:**

Loading dock and rail spur



Project: 1132 Seneca Street		Location: Buffalo, NY	Project No. 6105-001
Photo No. 11	Date: 8/14/07		
Direction Photo Taken:			
Description: Inside manufacturing building			

Project: 1132 Seneca Street		Location: Buffalo, NY	Project No. 6105-001
Photo No. 12	Date: 8/14/07		
Direction Photo Taken:			
Description: Inside manufacturing building			

Project: 1132 Seneca Street		Location: Buffalo, NY	Project No. 6105-001
Photo No. 13	Date: 8/14/07		
Direction Photo Taken:			
Description: Inside manufacturing building			

Project: 1132 Seneca Street		Location: Buffalo, NY	Project No. 6105-001
Photo No. 14	Date: 8/14/07		
Direction Photo Taken:			
Description: 55-gallon drums of unknown blue liquid			

Project: 1132 Seneca Street		Location: Buffalo, NY	Project No. 6105-001
Photo No. 15	Date: 8/14/07		
Direction Photo Taken:			
Description: Inside manufacturing building			

Project: 1132 Seneca Street		Location: Buffalo, NY	Project No. 6105-001
Photo No. 16	Date: 8/14/07		
Direction Photo Taken:			
Description: Offices located inside the manufacturing building			

Project: 1132 Seneca Street		Location: Buffalo, NY	Project No. 6105-001
Photo No. 17	Date: 8/14/07		
Direction Photo Taken:			
Description: Inside manufacturing building			

Project: 1132 Seneca Street		Location: Buffalo, NY	Project No. 6105-001
Photo No. 18	Date: 8/14/07		
Direction Photo Taken:			
Description: Inside the manufacturing building			

Project:

1132 Seneca Street

Location:

Buffalo, NY

Project No.

6105-001

Photo No.**19****Date:**

8/14/07

**Direction Photo
Taken:****Description:**Inside the manufacturing
building**Project:**

1132 Seneca Street

Location:

Buffalo, NY

Project No.

6105-001

Photo No.**20****Date:**

8/14/07

**Direction Photo
Taken:****Description:**

Pits



Project: 1132 Seneca Street		Location: Buffalo, NY	Project No. 6105-001
Photo No. 21	Date: 8/14/07		
Direction Photo Taken:			
Description: Inside manufacturing building			

Project: 1132 Seneca Street		Location: Buffalo, NY	Project No. 6105-001
Photo No. 22	Date: 8/14/07		
Direction Photo Taken:			
Description: Inside manufacturing building			

Project: 1132 Seneca Street		Location: Buffalo, NY	Project No. 6105-001
Photo No. 23	Date: 8/14/07		
Direction Photo Taken: East			
Description: Southern property boundary along Seneca Street			

Project: 1132 Seneca Street		Location: Buffalo, NY	Project No. 6105-001
Photo No. 24	Date: 8/14/07		
Direction Photo Taken: North			
Description: Eastern property boundary			


Project: 1146 Seneca Street		Location: Buffalo, NY	Project No. 6105-001
Photo No. 1	Date: 8/14/07		
Direction Photo Taken: South			
Description: View of site			


Project: 1146 Seneca Street		Location: Buffalo, NY	Project No. 6105-001
Photo No. 2	Date: 8/14/07		
Direction Photo Taken: South			
Description: View of site			

Project: 1146 Seneca Street		Location: Buffalo, NY	Project No. 6105-001
Photo No. 3	Date: 8/14/07		
Direction Photo Taken:			
Description: Concrete Pad			


Project: 1146 Seneca Street		Location: Buffalo, NY	Project No. 6105-001
Photo No. 4	Date: 8/14/07		
Direction Photo Taken: South			
Description: View of site			

Project: 1146 Seneca Street		Location: Buffalo, NY	Project No. 6105-001
Photo No. 5	Date: 8/14/07		
Direction Photo Taken: South			
Description: View of site			

Project: 1146 Seneca Street		Location: Buffalo, NY	Project No. 6105-001
Photo No. 6	Date: 8/14/07		
Direction Photo Taken: East			
Description: View of site			

Project: 1146 Seneca Street		Location: Buffalo, NY	Project No. 6105-001
Photo No. 7	Date: 8/14/07		
Direction Photo Taken: East			
Description: View of site			

Project: 1146 Seneca Street		Location: Buffalo, NY	Project No. 6105-001
Photo No. 8	Date: 8/14/07		
Direction Photo Taken: North			
Description: View of site			

Project: 1146 Seneca Street		Location: Buffalo, NY	Project No. 6105-001
Photo No. 9	Date: 8/14/07		
Direction Photo Taken: East			
Description: View of site			

Project: 1146 Seneca Street		Location: Buffalo, NY	Project No. 6105-001
Photo No. 10	Date: 8/14/07		
Direction Photo Taken: West			
Description: View of site			

Project:

1146 Seneca Street

Location:

Buffalo, NY

Project No.

6105-001

Photo No.**11****Date:**

8/14/07

**Direction Photo
Taken:****Description:**

Concrete Pad

