NYSDEC SITE NUMBER: 9-15-151

FORMER GE APPARATUS SERVICE CENTER
318 URBAN STREET
BUFFALO, NEW YORK

FINAL CONSTRUCTION CERTIFICATION REPORT

MAY 2012

VOLUME I OF VII

Prepared for:

GENERAL ELECTRIC COMPANY
ONE RIVER ROAD
SCHENECTADY, NEW YORK

Prepared By:

URS Corporation
3 Corporate Drive, Suite 203
Clifton Park, New York 12065

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EXECUTIVE SUMMARY

This *Final Construction Certification Report* documents the completion of the second phase of building decontamination and soil remediation at the former General Electric Company (GE) service shop at 318 Urban Street in Buffalo, New York. This work was completed pursuant to the September 1996 Order on Consent between GE and the New York State Department of Environmental Conservation (NYSDEC) (Index #B9-0388-91-09). This *Final Construction Certification Report*, which includes the sewer work conducted since March 2000, is being submitted in response to the May 11, 2006 comment letter from the NYSDEC and additional comments from NYSDEC provided in December 2007 on a preliminary draft report.

GE operated the Urban Street service shop between 1921 and 1968. Environmental concerns were first raised in 1990, as the result of a Phase I Environmental Site Assessment. Between 1990 and 1993, investigations found PCBs on the building and equipment surfaces, in the on-site soil, and in the on-site sewers. In addition, off-site soils and the public sewers were found to contain PCBs. In 1993 and 1994, GE excavated the off-site soil at nearby properties and cleaned the on-site and off-site sewers.

In March 1995, the NYSDEC issued a Record of Decision (ROD) for the site that required that GE clean the on-site and off-site sewers again, decontaminate the building, and excavate and properly dispose PCB-containing soil. The remediation goals established by the ROD for PCBs in the on-site soil were 1 milligram per kilogram (mg/kg) from zero to one foot in depth and 10 mg/kg deeper than one foot. The ROD also required that the on-site and off-site sewers be cleaned and inspected. During the remedial design and subsequent to the ROD, additional remedial objectives for PCBs were developed based on the United Stated Environmental Protection Agency's policy for management and cleanup of PCBs, which is specified in the Toxic Substance Control Act (TSCA). In addition, it was determined that potentially impacted soil near the fuel oil storage tank would be subject to the remedial goals outlined in the NYSDEC's Spill Technology and Remediation Series (STARS) Memo #1 Petroleum-Contaminated Soil Guidance Policy.

GE conducted the remediation in two phases. The first phase, which was documented in ERM-Northeast's report, entitled *Final Engineering Report and Certification, Roof Decontamination, Roof Drain, and Floor Drain Cleaning; On-site Sewer Replacement, and Off-site Sewer Cleaning Project, 318 Urban Street Site, Buffalo, New York*, dated October 1997, included:

- Decontamination and restoration of the 22,250 square foot roof of the main building;
- Decontamination of roof drains and floor drains of the main building;
- Demolition and removal of the on-site metal shed;

- Removal and replacement of 345 linear feet of on-site sewer lines, five manholes, and two catch basins;
- Removal of the water meter pit;
- Abandonment of 275 linear feet of on-site sewer lines;
- Abandonment of 300 linear feet of an on-site fire protection water main;
- Cleaning of Buffalo Sewer Authority (BSA) sewer lines along French Street, Moselle Street, East Ferry Street, and the railroad right of way between Urban Street and East Ferry Street;
- Excavation of 440 cubic yards of on-site soil from an on-site trench. A portion of this soil was used as fill material on-site; and
- Excavation and off-site disposal of 530 cubic yards of soil from an off-site trench and 25 cubic yards of soil from one hot spot, which contained elevated concentrations of PCBs.

The second phase of remediation began in May 1997 and was substantially completed by December 1999. The final landscaping was completed by the property owner in 2000 and the sewer work was completed in 2007. The second phase of remediation, which is documented in this report, included:

- Cleaning and removal of equipment and machines and off-site disposal of approximately 130 cubic yards of miscellaneous building debris;
- Demolition and disposal of interior and exterior portions of the main building, totaling approximately 1,700 cubic yards;
- Removal and off-site disposal of approximately 100 cubic yards of wood blocks from the floor;
- Removal and off-site disposal of approximately 940 cubic yards of pre-existing concrete floor;
- Cleaning of the remaining floors in the building;
- Replacement of the building's concrete floor, which measured approximately 18,000 square feet;
- Pressure washing and painting of more than 26,000 square feet of walls, ceiling, and trusses within the building;
- Excavation and off-site disposal of approximately 7,000 tons (4,700 cubic yards) of soil from the site;
- Asphalt paving of more than 31,000 square feet of the parking lots adjacent to the west, north, and east sides of the building; and
- Cleaning and re-cleaning of more than 5,800 linear feet of on- and off-site sewers, followed by a two-year monitoring program (1998-1999) and subsequent sampling (2000 and 2007) to evaluate the PCB concentrations in the water and sediments.

GE was not able to clean a 600-foot section of the Belt Line sewer during the second phase of the remediation because of a root mass that obstructed the sewer. However, the BSA removed the root mass in 2004. The results of additional water samples collected from the sewers in 2007, which were below the BSA sewer discharge limit of 0.3 micrograms per liter (µg/L) used

for comparison, confirm that the sewers no longer present a threat to the environment. The results of additional sediment samples collected from the sewers in 2007 were below 1 mg/kg, which was used for comparison and generally considered to be protective of human health and the environment.

This report documents that GE's second phase of remedial activities was conducted in accordance with the requirements of the ROD. This report describes the site management program necessary to prevent inadvertent disruption and possible release of subsurface soil with residual concentrations of PCBs that remains at the site. In addition, this report shows that GE has met the remedial goals established in the ROD.

1.0 INTRODUCTION

This *Final Construction Certification Report* describes the General Electric Company's (GE) second phase of remediation at GE's former service shop at 318 Urban Street in Buffalo, New York. This work was completed pursuant to an Order on Consent (the Order) between GE and the New York State Department of Environmental Conservation (NYSDEC) (Index #B9-0388-91-09). This *Final Construction Certification Report*, which includes the sewer work conducted since March 2000, is being submitted in response to the May 11, 2006 comment letter from the NYSDEC and additional comments from NYSDEC provided in December 2007 on a preliminary draft report.

The first phase of remedial activities under this Order is documented in ERM-Northeast's report, entitled *Final Engineering Report and Certification, Roof Decontamination, Roof Drain, and Floor Drain Cleaning; On-site Sewer Replacement, and Off-site Sewer Cleaning Project, 318 Urban Street Site, Buffalo, New York,* dated October 1997 *(Phase I Certification Report)*.

In accordance with the Order, this *Construction Certification Report* documents that, except as noted, the building and equipment decontamination and soil excavation were completed in accordance with the specifications in these four documents:

- *Remedial Design/Remedial Action Work Plan, 318 Urban Street, Buffalo, New York, DEC Site #915151*, prepared by ERM-Northeast, dated September 20, 1995 and revised on October 24, 1995 (*1995 Work Plan*);
- *Project Manual, Building Decontamination and Soil Remediation, 318 Urban Street, Buffalo, New York, 14211*, prepared by ERM-Northeast, dated March 15, 1997 (*Project Manual*);
- *Confirmatory Sampling Plan, Building Decontamination and Soil Remediation, 318 Urban Street Site, Buffalo, New York*, prepared by Dames & Moore, dated June 4, 1997 (*Confirmation Sampling Plan*); and
- *Work Plan for Final Building Decontamination and Site Restoration, 318 Urban Street Site, Buffalo, New York*, prepared by Dames & Moore, dated July 20, 1998 (*1998 Work Plan*).

These four documents, which were approved by NYSDEC, are collectively referred to in this report as the *Project Plans*.

This report contains ten sections, including this introduction. Section 2.0 presents background information. Section 3.0 presents the objectives of this report. Section 4.0 describes the scope of work. Section 5.0 describes the remediation. Section 6.0 documents the waste disposal. Section 7.0 presents the conclusions. Section 8.0 describes the Site Management Plan and Section 9.0 is the Engineering Certification. Section10.0 is the list of references used to prepare this report. Tables and figures that are referenced in this report follow the text.

Appendices containing a variety of backup material are bound separately. Appendix A is the sample record log, which summarizes information about the samples. Appendix B contains the sample record forms from which the log was developed. The laboratory analytical reports are in Appendix C. Appendix D contains photographs that document the remediation. Appendix E contains equipment shipping forms for the equipment removed from the site. Appendix F contains as-built drawings of the new concrete floor in the building, the soil excavation contours, and the ground surface contours following site restoration.

Appendix G contains the project submittals. These include the work plans and the health and safety plans submitted by the contractors who performed the remedial work. The submittals also include asbestos abatement documentation, source and analytical information about the backfill material used at the site, and waste profiles for the materials removed from the site. Appendix G includes specifications for materials such as geotextile, fencing, paint, and concrete, which were used during the remedial activities. Appendix G also includes the qualifications of surveying and testing subcontractors and the results of materials testing conducted on samples of the concrete and asphalt used during site restoration.

A reproduction of Drawing C-2 of the *Project Manual*, which shows the originally proposed excavation depths, is in Appendix H. Documentation of the sewer cleaning and sampling appears in Appendix I. Appendix J contains the waste manifests for the wastes that were shipped off-site during Phase 2 of GE's remediation of the site.

2.0 BACKGROUND

This section provides background information regarding the site, the recent regulatory history of the site, and GE's previous remedial activities.

2.1 SITE DESCRIPTION AND RECENT SITE HISTORY

As shown in Figure 1, the site is located at 318 Urban Street in the City of Buffalo, New York. The property contains a brick building on approximately 2.5 acres of relatively flat land. The surrounding properties consist of both residential and commercial land.

The site is in a developed, urban section of Buffalo. The site is bounded to the north by residential homes along French Street, to the east by a school that has been converted into apartments and a playground, to the south by Urban Street, and to the west by railroad tracks. As shown in Figure 2, more than half the site is either paved or covered by buildings. The remainder of the site is covered with grass.

The surface soils consist primarily of poorly drained silts and clays. Based on the USGS topographic map, there are no surface water bodies within a one-mile radius of the site. The nearest surface water body shown on the map is Scajaquada Creek, which is one and one-half miles northwest of the site. The creek flows northwest, away from the site, and ultimately discharges into Lake Erie. However, Scajaquada Creek is reportedly contained within a tunnel approximately 2,000 feet north of the site.

Water is supplied to the neighborhood by the City of Buffalo, which pulls surface water from Lake Erie. There are no known drinking water wells near the site.

Storm water runoff enters on-site catch basins and is directed through the combined storm and sanitary sewer to the public sewer on French Street. During normal flow conditions, the flow is discharged to the publicly-owned treatment works (POTW) on Squaw Island. During heavy storms, the storm water overflow discharges directly to Scajaquada Creek.

GE owned and operated the site from 1921 to 1968. GE used the building as a service shop to repair equipment and to machine parts.

Pyramid Steel Corporation has owned the site since 1985. Prior to GE's remediation, Pyramid Steel Corporation used the building as a machine shop and warehouse.

In July 1990, ECCO, Inc. conducted a Phase I Environmental Site Assessment (ESA) for a prospective purchaser of the property. Soil and floor samples were collected during the ESA. The analytical results indicated that there were polychlorinated biphenyls (PCBs) in both the soil outside the building and the wood block floor inside the building.

In response to the 1990 analytical data, GE performed a series of investigations at and near the property. The investigations confirmed that there were PCBs throughout the interior of the building and in both on-site and off-site soil outside the building.

2.2 REGULATORY HISTORY

There have been two Orders on Consent between GE and NYSDEC for the Urban Street site. The NYSDEC also issued a Record of Decision (ROD) for this site.

1992 Order on Consent

GE signed the initial Order on Consent in June 1992. In the 1992 Order, GE agreed to implement Interim Remedial Measures (IRMs) to remove PCB-contaminated surface soil from neighboring properties and PCB-contaminated sediment from the on-site sewer lines and the Buffalo Sewer Authority's (BSA's) manhole nearest the site.

1995 Record of Decision

In March 1995, the NYSDEC issued a ROD for the site requiring remediation of on- and off-site sewers, decontamination of the building, and excavation and off-site disposal of PCB-containing soil. The remediation goals established in the ROD for PCBs in the soil were 1 mg/kg from zero to one foot in depth and 10 mg/kg deeper than one foot. The ROD also required that the on-site and off-site sewers be cleaned and inspected. Additional remedial goals were to be developed during the design phase**.** A summary of remedial goals is provided in Section 3.0. ERM-Northeast prepared the *1995 Work Plan* for GE in response to the ROD.

1996 Order on Consent

In September 1996, GE signed the second Order on Consent with the NYSDEC. This second Order required that GE implement the scope of work that was outlined in ERM-Northeast's *1995 Work Plan*.

In July 1996, GE and Pyramid Steel entered into an access agreement for the site. In the agreement, Pyramid Steel granted GE, its employees, agents, consultants, and contractors the right to enter the subject property and building to do all things necessary and convenient for the purpose of accomplishing the goals of the 1996 Order on Consent.

GE has conducted two phases of remediation under the 1996 Order. The first phase, which was conducted in accordance with the *1995 Work Plan*, included roof cleaning, sewer cleaning and replacement, and the demolition of a steel storage shed. ERM-Northeast documented this work in their 1997 *Phase I Certification Report.*

In 1997, GE retained Dames & Moore of Orchard Park, New York as the environmental consultant for the second phase of remediation. It should be noted that URS Corporation (URS) acquired Dames & Moore in 1999. Subsequent work, including submission of this *Final Construction Certification Report*, has been conducted as URS. The Phase 2 work consisted of on-site soil removal and building and equipment decontamination and restoration. Dames & Moore has conducted the second phase of remediation in accordance with the *1995 Work Plan*, the *Project Manual*, which ERM-Northeast prepared for the second phase of remediation, and Dames & Moore's *Confirmation Sampling Plan* and *1998 Work Plan*. This report documents the successful completion of Phase 2.

2.3 PREVIOUS REMEDIATION ACTIVITIES

GE has conducted five separate remedial tasks at the site. Three of these tasks were conducted as IRMs under the 1992 Order. The last two tasks were conducted under the 1996 Order. The remainder of this section documents the five tasks.

2.3.1 Interim Remedial Measures Under 1992 Order

GE conducted three IRMs under the 1992 Order:

- Soil removal from residential property;
- Sewer cleaning; and
- Off-site soil removal east of the site.

This section provides an overview of these three tasks.

2.3.1.1 Soil Removal from Residential Properties

The first IRM, which was completed between November 1992 and April 1993, addressed off-site soil at residential properties on French Street, which are adjacent to the north side of the site. Approximately half of the surface soil samples collected from these properties during the ESA contained PCBs at concentrations less than the 1 mg/kg recommended cleanup levels. However, one surface soil sample contained PCBs at a concentration of 62 mg/kg.

To eliminate the risk to public health, GE excavated and removed approximately 218 cubic yards of PCB-containing soil. The remediation of the off-site properties is documented REMCOR, Inc.'s report, entitled *Final Report, Soil Remediation of Off-Site Properties, 318 Urban Street Site, Buffalo, New York, DEC Site No. 915151*, dated July 20, 1993.

2.3.1.2 Sewer Cleaning

During the summer of 1993, GE conducted a second IRM to remove PCB-containing sediments from the sewer. GE removed sediment from approximately 500 feet of on-site sewer and from one manhole on French Street. The sediment was shipped off-site for proper disposal. GE also collected sediment from an on-site fire protection water main vault. This sediment was also disposed off-site.

2.3.1.3 Off-Site Soil Removal East of the Site

GE completed the third IRM in May 1994. The objective of this IRM was to remove the off-site soil at the abandoned playground just east of the site. Initial sampling of the playground's surface soils showed that the concentrations of PCBs were less than 1 mg/kg. However, soil samples collected near the fence that surrounds the Urban Street site contained PCBs at concentrations up to 19 mg/kg.

GE excavated approximately 68 cubic yards of surface soil from the playground along the entire length of the service shop site's eastern fence to a depth of 1 foot. The excavated soil was properly disposed at an off-site landfill.

2.3.2 Remediation Activities for 1996 Order

GE performed the remediation of the site under the 1996 Order in two phases. This section provides an overview of the two phases.

2.3.2.1 Phase 1 Remediation

The first phase of site remediation consisted of building roof cleaning, on-site sewer cleaning and replacement, off-site sewer cleaning, and demolition of a steel storage shed. GE conducted Phase 1 of the remediation in accordance with the *1995 Work Plan*. GE completed Phase 1 in November 1996. ERM-Northeast documented Phase 1 of GE's remediation in the 1997 *Phase I Certification Report*. Phase 1 included the:

- Decontamination and restoration of the 22,250 square foot roof of the main building;
- Decontamination of the roof drains and floor drains of the main building;
- Demolition and removal of the on-site metal shed;
- Removal and replacement of 345 linear feet of on-site sewer lines, five manholes, and two catch basins;
- Removal of the water meter pit;
- Abandonment of 275 linear feet of on-site sewer lines;
- Abandonment of 300 linear feet of an on-site fire protection water main;
- Cleaning of BSA sewer lines along French Street, Moselle Street, East Ferry Street, and the railroad right of way between Urban Street and East Ferry Street;
- Excavation of 440 cubic yards of soil from a trench during on-site sewer line replacement, a portion (40 cubic yards) of which was reused on-site as fill material; and
- Excavation and off-site disposal of 530 cubic yards of soil from an off-site trench along French street and 25 cubic yards of soil from one on-site hot spot that contained elevated concentrations of PCBs.

2.3.2.2 Phase 2 Remediation

In the second phase of remediation, which is documented in this report, GE decontaminated the interior of the main building, including the equipment, excavated PCB-containing soil, and conducted sampling to document cleaning of off-site sewers. GE's second phase of remediation was completed in these two stages:

- In 1997, GE cleaned the equipment and removed it from the building, removed the wood blocks from the floor, demolished the offices on the east mezzanine, excavated on-site soil, and removed an underground storage tank (UST). GE disposed the excavated and removed materials at properly permitted off-site facilities. GE conducted the first stage of the Phase 2 work in accordance with the *1995 Work Plan*, the *Project Manual*, and the *Confirmation Sampling Plan*.

- In 1999, GE decontaminated the interior of the building, removed the concrete floor, removed soil from beneath the floor, and completed the building restoration work. GE disposed the removed soil and concrete at properly permitted off-site facilities. GE conducted the second stage of the Phase 2 work in accordance with the *1995 Work Plan*, the *Project Manual*, the *Confirmation Sampling Plan,* and the *1998 Work Plan.*

In 1998, GE conducted additional off-site sewer cleaning work. Subsequent evaluation of sediments and water was conducted in 1998, 1999, 2000, and 2007. GE conducted the sewer work in accordance with several work plans as discussed in Section 5.3.

3.0 OBJECTIVES

The objective of this *Final Construction Certification Report* is to document that the Phase 2 decontamination and soil remediation work at the former GE service shop at 318 Urban Street has been completed in accordance with the specifications and requirements contained in the NYSDEC-approved *Project Plans*. In some instances, the work deviated from the plans. In these instances, the deviations are noted and explained. This report also documents that the NYSDEC's remediation goals have been met. The remediation goals for this project are:

Media	Remediation Goal
Impervious non-porous surfaces, including machinery and equipment, windows, painted walls, and ceiling, and the Johnson Heater Unit	10 μg/100 cm^2 PCBs
Impervious porous surfaces, including concrete floors and the walls and floor of the transformer pit	10 μg/100 cm^2 PCBs (wall wipe samples) 50 mg/kg PCBs (concrete chip samples) 100 μg/100 cm^2 PCBs and encapsulation (concrete floor wipe samples)
Soil from 0 to 1 foot in depth	1 mg/kg PCBs
Soil at depths greater than 1 foot	10 mg/kg PCBs
Soil along the foundation of the building that contains more than 10 mg/kg PCBs	Covered with an HDPE barrier and the area backfilled with clean soil
Soil near the former fuel oil UST	NYSDEC STARS Memo #1 guidance levels
Sewers	Cleaned and sediment removed

While not a remedial goal, the BSA's slug discharge limit of 2 μ/L for PCBs was initially used as a comparison value for the sewer monitoring results. Subsequently, the BSA's sewer discharge limit of 0.3 μ/L for PCBs was used as a comparison value.

This report does not include documentation of GE's Phase 1 remediation, which was completed in 1996. Phase 1 is documented in ERM-Northeast's *Phase I Certification Report*. Furthermore, this report does not document the three interim remedial measures that were completed between 1992 and 1994.

4.0 SCOPE OF WORK

This section describes the scope of the Phase 2 building decontamination and soil remediation work. It includes a summary of the tasks involved in the second phase of remediation and descriptions of the sample collection, analysis, and documentation methods that were used during Phase 2. A summary of sewer remediation activities is provided in Section 5.3.

4.1 SUMMARY OF PHASE 2 REMEDIATION

Phase 2 had two stages. In 1997, GE retained Four Seasons Environmental Services (Four Seasons) of Greensboro, North Carolina to complete the first stage of the Phase 2 remediation. As the general contractor, Four Seasons:

- Cleaned and removed equipment from the building;
- Excavated soil and removed an UST;
- Backfilled the excavations and regraded the site;
- Subcontracted equipment rigging and off-site transportation;
- Coordinated asbestos abatement; and
- Coordinated waste transportation and disposal.

In 1999, GE retained Marcor Environmental (Marcor) of Rochester, New York to complete the second stage of the Phase 2 remediation. As the general contractor, Marcor:

- Removed the concrete floor from the interior of the building;
- Cleaned the furnace in the building;
- Washed the interior of the building;
- Painted the interior of the building;
- Constructed a new concrete floor;
- Conducted exterior site restoration tasks such as stair modification and asphalt paving; and
- Restored portions of the interior of the building that were either taken out of service prior to remediation or damaged during demolition.

Dames & Moore provided construction oversight and acted as GE's on-site representative during both stages of the Phase 2 work. As GE's on-site representative, Dames & Moore coordinated the activities of GE's remedial contractors to ensure that the remedial objectives were met.

4.2 SAMPLE COLLECTION, ANALYSIS, AND DOCUMENTATION

In addition to providing construction oversight, Dames & Moore implemented a field testing program and collected soil samples for laboratory analysis as required by the *Confirmation*

Sampling Plan. The remainder of this section describes the sample collection procedures, the analytical methods, and the documentation used during the Phase 2 work.

The sample collection procedures and analytical procedures that were used during the Phase 2 work conformed with the *Confirmation Sampling Plan*. However, the laboratory used additional analytical methods for some of the samples in order to evaluate the quality of various media at the site that were not anticipated in the *Project Plans*.

4.2.1 Sample Collection Procedures

These six types of samples were collected during the Phase 2 work:

- Wipe samples;
- Soil samples;
- Sediment samples;
- Concrete samples;
- Liquid samples; and
- A sludge sample.

All of the sediment, concrete, liquid, and sludge samples collected during the Phase 2 work were submitted for laboratory analysis**.** Soil and wipe samples were field screened using immunoassay test kits. Field test results were then compared to the remedial objectives stated above in Section 3.0. In accordance with the *Confirmation Sampling Plan*, at least 10 percent of the wipe and soil samples were submitted for laboratory analysis for QA/QC purposes. Wipe and soil sample results that were above the remedial objectives were considered characterization samples. These areas were further remediated, and additional samples were collected until the result was below the remedial objective. These were used as confirmation samples to demonstrate that the area met the remedial objectives. Selected wipe and soil samples were submitted for laboratory analysis as summarized below in Section 4.2.2. The remainder of this section discusses the procedures for the collection of each of these six types of samples.

4.2.1.1 Wipe Samples

Wipe samples were collected from 395 locations. Each wipe sample was collected by framing the surface to be sampled with a 10 cm by 10 cm template and systematically wiping the area using a pad moistened with hexane. The solvent-moistened pad was wiped twice, once vertically and once horizontally, over the entire area to be sampled. Duplicate wipe samples for laboratory or field screening analysis were collected immediately adjacent to the original sampling location.

The sampling pad was placed in a pre-cleaned sample bottle supplied by the laboratory or immunoassay test kit manufacturer. The bottle was capped, labeled and placed in a cooler for transport.

4.2.1.2 Soil and Sediment Samples

Soil samples were collected from 301 locations. Soil samples were collected from depths of zero to six inches from the soil surface of the base and walls of excavated areas or other exposed soil using a pre-cleaned stainless steel trowel, scoop, or spatula. A Geoprobe was used to collect soil samples from beneath the concrete core locations in the building. Sediment samples were collected by hand from 11 locations.

The soil and sediment samples were placed directly into pre-cleaned bottles provided by the laboratory or immunoassay test kit manufacturer. The sample bottles were capped, labeled, and placed in a cooler for transport. This sampling procedure was used for the collection of soil samples for both laboratory analysis and field screening analysis.

4.2.1.3 Concrete Samples

Concrete samples were collected from 49 locations. Concrete chip samples were removed from the building floor or walls (1 sample) or from concrete cores drilled through the main floor of the building. The samples were crushed and placed in clean bottles provided by the laboratory. The sample bottles were capped, labeled, and placed in a cooler for transport.

4.2.1.4 Sludge, Liquid, and Bulk Samples

Sludge, water, and bulk samples were collected from nine locations. The liquid samples, which included a perched groundwater sample, a water sample from a sump, and five water samples from on- and off-site sewer manholes, were collected directly into clean bottles provided by the laboratory. One sludge sample from a sump was collected by hand and placed in a clean bottle provided by the laboratory. “Silt sock” fabric was placed in storm grates to facilitate silt/sediment for sampling at two locations. Bulk samples of "silt sock" fabric placed in storm grates were collected from two locations. The sample bottles were capped, labeled, and placed in a cooler for transport.

4.2.2 Analytical Methods

The analytical methods used during the Phase 2 work included field screening and laboratory analytical methods. Wipe and soil samples were screened for PCBs in the field in accordance with the procedures in the *Confirmation Sampling Plan* using immunoassay test kits manufactured by Strategic Diagnostics, Inc. In accordance with the *Confirmation Sampling Plan*, duplicate samples were collected for at least 10 percent of the field screening sample locations and submitted to Columbia Analytical Services, Inc. (CAS) of Rochester, New York. CAS is a New York State Department of Health (NYSDOH) and Environmental Laboratory Approval Program (ELAP) certified laboratory. CAS used EPA Method 8080 to analyze the samples for PCBs.

A total of 103 wipe samples were submitted to CAS as a quality assurance check of the 395 confirmation wipe samples that were screened for PCBs using immunoassay field test kits. All 103 laboratory results, which represent 25 percent of the total number of confirmation wipe samples, were either less than or within the concentration range reported for the field-screened confirmation samples. These results indicate that the field data were conservative, and that the use of these kits is appropriate for screening concentrations of PCBs on surfaces.

Forty-one soil samples were submitted to CAS as a quality assurance check of the 268 confirmation soil samples that were screened for PCBs using immunoassay field test kits. All 41 laboratory results, which represent 15 percent of the total number of confirmation soil samples, were either less than or within the concentration range reported for the field-screened confirmation soil samples. These results indicate that the field test kit data were conservative and that the use of these kits is appropriate for screening concentrations of PCBs in soil.

In addition to conducting PCB analyses by EPA Method 8080, CAS analyzed soil, sludge, perched water, and sump liquid samples for TCLP volatile organic compounds (VOCs) using EPA Method 8260, semi-volatile organic compounds (SVOCs) using EPA Method 8270, extractable organics using EPA Method 8150, and metals. The concrete chip samples, the liquid samples collected from on- and off-site manholes, and the bulk fabric samples from the "silt socks" were analyzed for PCBs by EPA 8080. One soil sample (SS-52) was also analyzed for total petroleum hydrocarbons (TPH) using Method 310.13.

Dames & Moore's Salem, New Hampshire laboratory analyzed five bulk samples for asbestos content using polarized light microscopy (Methods EPA-600/M4-82-020 and EPA-600/R-93-116).

4.2.3 Documentation and Records

In accordance with the *Confirmation Sampling Plan*, Dames & Moore documented the sampling program using these written records:

- Sample Designation
- Sampling Record Log
- Sample Record Forms
- Chain-of-Custody Forms

The remainder of this section discusses these four types of records.

4.2.3.1 Sample Designation

Each sample was assigned a unique, descriptive sample identification number. Each sample was labeled accordingly when collected. The unique sample number was used to identify the sample on all sampling records and laboratory results.

4.2.3.2 Sample Record Log

A Sample Record Log was used to track all samples collected from the site, whether field analyzed or submitted to the analytical laboratory. As each sample was added to the form, it was assigned a unique, sequential sample log number. This information was then recorded on the log for each sample:

- Sample log number
- Sample identification number
- Sample matrix
- Field or laboratory analysis
- Laboratory results report date
- Comments regarding the sample

A copy of the Sample Record Log is in Appendix A.

4.2.3.3 Sample Record Forms

A Sample Record Form was completed for each sample that was collected and analyzed. The information that was recorded on the Sample Record Forms includes:

- Site identification

- Location of sampling point
- Description of sampling point
- A sketch of the sampling point
- Sample log number
- Sample identification number
- Number of samples taken
- Time of sample collection
- Reference to sample location map
- Number of QA/QC samples taken
- Collectors' names
- Field observations (weather, temperature, wind direction, personnel on-site, oversight personnel)
- Sample distribution (e.g., QA laboratory and split samples)

Copies of the Sample Record Forms are contained in Appendix B.

4.2.3.4 Chain-of-Custody Forms

Chain-of-Custody Forms accompanied the samples from the time of collection to the receipt of the analytical reports. These forms contained this information:

- Project site
- Sample identification number
- Date and time of sample collection
- Location of sample site
- Sample matrix
- Signature of sample collector
- Signatures of those who relinquished and those who received the samples, and the date and time the samples changed possession

Copies of the Chain-of-Custody Forms for Phase 2 of this project are included with the analytical reports in Appendix C.

5.0 REMEDIATION

For Phase 2, the descriptions of GE's remedial actions have been separated into these three tasks:

- Building decontamination, demolition, and restoration;
- Soil removal and site restoration; and
- Sewer remediation.

This section describes these three tasks.

5.1 BUILDING DECONTAMINATION, DEMOLITION, AND RESTORATION

The *Project Plans* required that the building interior be decontaminated and restored with new paint and a new concrete floor. In 1997, in preparation for the building interior decontamination, the equipment in the building was decontaminated and most of the equipment was shipped off-site. Two furnaces and a crane motor were stored outside the building. A heater was left inside the building until it was dismantled, cleaned, and reassembled in 1999.

After removing the equipment, GE demolished and removed some interior structures. The wood block floor, the windows, and the window frames were removed and disposed off-site. GE demolished the loading dock that was exterior of the south and west walls of the building. In addition, GE demolished the vent stack to the paint booth. In 1999, GE removed and replaced the concrete floor.

The interior and exterior demolition areas are shown in Figure 3. The areas where the concrete floor was removed and replaced are shown in Figure 4.

This work is described in more detail in the following subsections. The work was performed in accordance with the technical specifications of the *Project Manual* and Section 4.0 of the *1998 Work Plan*, except where noted.

5.1.1 Equipment Decontamination

The equipment decontamination process included three steps:

- Equipment logging and identification;
- Equipment cleaning and verification; and
- Equipment removal to an off-site location.

The following sections document these three steps.

5.1.1.1 Equipment Logging and Identification

Equipment in the building was logged before it was cleaned. Small tools and equipment were not logged, but were decontaminated before leaving the site. The log included a description of the equipment and a photograph. Representative photographs are in Appendix D.

The equipment that was logged during the Phase 2 is listed in Table 1. After the equipment was logged, each piece was tagged with an identification number. Each piece of equipment on the main floor was identified with an "M" followed by a number. Each piece was numbered and logged in the order in which it was encountered. The same method was used for the machines on the west mezzanine ("WM") and on the east mezzanine ("EM").

The gear boxes at the site were not logged. The gear boxes, which were purchased and brought on site by Pyramid Steel, were temporarily stored on the loading dock outside the building. Because the gear boxes were brought on site by Pyramid Steel and stored outside the building, GE, Dames & Moore, the NYSDEC, and Pyramid Steel agreed that the boxes were not included in the scope of work that applied to the decontamination of the machines.

5.1.1.2 Equipment Cleaning and Confirmatory Sampling

Oil samples were collected from the 28 machines that contained oil reservoirs, including the gear boxes on the south loading dock. The oil was analyzed for PCBs by EPA Method 8080. The analytical results, which are summarized in Table 2, show that the oil in three of the machines (WM-10, M-3, and M-7) contained PCBs at concentrations less than 50 mg/kg. Because the PCB concentrations in the oil in these three machines were less than 50 mg/kg, neither TSCA regulations nor the NYSDEC-approved *Project Manual* required GE to decontaminate the interior of the three machines.

After the equipment was logged and tagged, the exterior of each piece was cleaned by hand using a high pH degreaser (ZEP Big Z), followed by a pH-neutral degreaser (Mirachem 500). The degreasers were sprayed onto the machines and clean rags were used to hand wipe the equipment. Both degreasers are biodegradable, non-solvent-containing products.

After the equipment was cleaned, Dames & Moore collected wipe samples from each major non-stationary piece of equipment and machine in the building. The wipe samples were analyzed for PCBs using immunoassay field test kits. Approximately 10 percent of the wipe samples were submitted to CAS for laboratory analysis for PCBs to verify the field results given by the test kit.

The number of wipe samples that were collected from each piece of cleaned equipment or machine was based on the size of the equipment. A single wipe sample was collected from each machine that was less than 100 cubic feet. Two wipe samples were collected from each machine between 100 and 500 cubic feet, and three wipe samples were collected from each machine larger than 500 cubic feet. For equipment and parts smaller than 100 cubic feet that were in boxes or stored in small groups in the building, a single wipe sample was collected from one randomly selected piece of equipment in each group. Wipe samples were not collected from some pieces of equipment after they were decontaminated because they were too small or their shape was not conducive to collecting a representative wipe sample.

Dames & Moore followed these three steps to evaluate whether each cleaned piece of equipment met the remedial goal:

Step 1 - Wipe samples were collected for field screening after the initial piece of equipment was cleaned.

- If the field screening results met the remedial goals, the equipment was released for off-site transport.
- If not, Dames & Moore proceeded to Step 2.

Step 2 - The equipment was recleaned and additional wipe samples were collected for field screening analysis.

- If the field screening results met the remedial goals, the equipment was released for off-site transport.
- If not, Dames & Moore proceeded to Step 3.

Step 3 - The equipment was resampled and the wipe samples were submitted for laboratory analysis.

- If the analytical results from CAS met the remedial goals, the equipment was released for off-site transport.
- If not, Dames & Moore recleaned the equipment and repeated Step 3 until the analytical results for the wipe samples met the remedial goals.

Table 1 lists the machine names, approximate sizes, machine IDs, sample log numbers, sample IDs, and analytical results. All of the equipment was cleaned at least once. Some pieces were cleaned as many as three times. As shown in Table 1, after the final cleaning, all of the equipment met the remediation goal for PCBs on surfaces of less than 10 $\mu g/100\ cm^2$.

5.1.1.3 Equipment Removal

After cleaning and wipe testing the equipment, GE loaded most of the equipment onto flatbed trucks and shipped it to Pyramid Steel's Sawyer Avenue, Tonawanda, New York facility. Approximately 130 cubic yards of miscellaneous building debris, including a wood cabinet (M-20) and copper cable connectors (M-76), was properly disposed off-site.

Between June 6 and June 12, 1997, all of the pieces of equipment from the main floor and the east mezzanine, as well as most of the equipment from the west mezzanine, were removed from the site. The few remaining pieces of equipment were removed from the west mezzanine between December 9 and December 16, 1997 and shipped off-site. Table 1 includes a summary of the equipment shipping dates. Copies of the equipment shipping records are in Appendix E.

Two Sunbeam furnaces, a crane motor, and gear boxes containing several small pieces of equipment remained on-site outside the building under plastic tarpaulins. After the completion of the building decontamination in 1999, the base of each gear box was cleaned, and the gear boxes were moved back inside the building. The Sunbeam furnaces and the crane motor were to be moved into the building in the spring of 2000.

5.1.2 Building Demolition

The building demolition work included:

- Demolition and removal of portions of the building interior;
- Window removal;
- Removal of portions of the floor; and
- Demolition and removal of portions of the building exterior.

The demolition and removal work was completed in accordance with the *Project Manual,* except where noted. The portions of the building that were demolished and removed are indicated in Figure 3. The demolished portions of the building comprised approximately 1,700 cubic yards of debris.

5.1.2.1 Demolition and Removal of Portions of the Interior of the Building

Before the decontamination of the interior of the building, these parts of the building were demolished and removed:

- Asbestos-containing materials;

- The east mezzanine and associated offices;
- The west mezzanine lunch area;
- The paint booth on the main floor;
- The shop office on the main floor below the west mezzanine; and
- The transformer pit (cleaned and filled).

The locations of these areas are shown in Figure 3.

From June 16 to June 30, 1997, asbestos-containing materials (ACMs), were removed from the building interior in accordance with New York State Department of Labor, Division of Safety and Health regulations. The ACMs included nine-inch square floor tiles in the east offices and air-cell pipe insulation on the pipes along the ceiling. Approximately 250 linear feet of air cell pipe insulation and 3,000 square feet of floor tile were removed. The removed ACMs were disposed at High Acres Landfill as friable (pipe insulation) and non-friable (floor tiles) asbestos material. The locations of the ACMs that were removed are shown in Figure 3.

On July 2, 1997, after the asbestos and machines were removed, the east mezzanine and associated offices were demolished. Steel I-beams removed from the east mezzanine offices were wipe-sampled for PCB analysis. As shown in Table 3, the wipe samples contained less than 10 $\mu g/100\ cm^2$ of PCBs. The steel was sent to the Levin Scrap Yard in the City of Tonawanda, New York. GE shipped the other waste material that was generated during the demolition of the east mezzanine and offices to the High Acres Landfill for disposal as non-hazardous solid waste.

The paint booth under the west mezzanine was also demolished. With the exception of the filter from the vent stack, the paint booth was disposed at High Acres Landfill as non-hazardous solid waste. The materials that comprised the filter were placed in a steel drum and shipped to CWM's Model City Landfill for disposal as hazardous waste. The office for the service shop, which was under the west mezzanine, and the former lunch room, which was on the west mezzanine, were also demolished and disposed at the High Acres Landfill.

The transformer pit near the center of the northern end of the main building floor, which is shown in Figure 3, was also demolished. The pit, which had concrete walls and floor, was approximately 10 feet deep and was covered by a wooden lid. In 1997, the lid over the pit was removed and loose brown sand was encountered in the pit. The sandy material was dry and showed no visible signs of chemical impact. Following removal of the fill from the former transformer pit, the pit was dry. There were no obvious cracks in the walls or floor of the concrete pit. Two random samples of the fill material were analyzed for PCBs using the immunoassay field test kits. The results, which are summarized in Table 4, indicated that the

PCB concentrations in the sandy fill were less than 10 mg/kg. Four Seasons subsequently used the fill material from the pit to backfill a portion of an excavation on the south side of the building.

In June 1999, in accordance with the *Project Plans*, the top four feet of the concrete walls of the transformer pit were removed. Then, the pit was filled with gravel and capped with the new concrete floor. Before the pit was filled, five wipe samples from the floor and walls of the pit and one bulk concrete chip sample was collected from the wall and analyzed for PCBs. As shown in Table 4, the analytical results indicated that the concentrations of PCBs in the concrete were less than 50 mg/kg, and the concentrations of PCBs on five surfaces were less than 100 μg/100 cm^2. The pit was backfilled and covered with concrete.

5.1.2.2 Window Removal

The *Project Plans* called for the windows on the exterior walls to be cleaned. The four exterior walls of the building were divided by large, full-height (approximately 15 feet wide by 20 feet high) or half-height (approximately 15 feet wide by 10 feet high) window units. The construction and condition of the windows raised concerns about whether the windows could be cleaned. At GE's request, Dames & Moore collected several samples to evaluate whether the windows could be cleaned.

On May 31, 1997, Dames & Moore collected four representative samples of the glaze around the windows. The glaze samples were analyzed for asbestos. As shown in Table 5, the analytical results indicated that the glaze contained between three and five percent chrysotile asbestos. The laboratory reports are in Appendix C.

On June 28, 1997, Dames & Moore collected two wipe samples (EMW-W1 and WMW-W1) from the brick wall behind the steel window frames. As shown in Table 6, the analytical results indicated that surfaces from behind the window frames contained PCBs at concentrations up to 1.8 μg/100 cm^2. The analytical reports are in Appendix C.

On July 2, 1997, Dames & Moore collected one wipe sample from the caulk around the window frame and two bulk samples of the glaze around the window. All three samples were analyzed for PCBs. As shown in Table 6, the analytical results indicated that there were PCBs in the caulk, and the glaze contained PCB concentrations up to 2.2 mg/kg. Because it was impractical to decontaminate the pliable glazing material, GE elected to remove the windows and the associated glaze prior to decontaminating the building. GE removed the windows during the

week of August 15, 1997. The windows and associated debris were disposed as non-friable asbestos at the High Acres Landfill.

After the windows were removed, the sills were hand-wiped to remove the PCB-containing dust. Temporary wooden frames and reinforced plastic enclosures were constructed over each window opening. In December 1997, the plastic on the south and west wall windows was replaced with press-board sheeting to better withstand the winter weather.

5.1.2.3 Floor Removal and Decontamination

This section summarizes the removal of portions of the floor within the building and the decontamination of the remaining floor. The work included the removal of wood blocks and the PCB-containing portions of the concrete floor and the underlying fill.

Removal of Wood Blocks

In 1997, GE used a back-hoe and a small loader to remove approximately 100 cubic yards of three-inch thick wood blocks that comprised the uppermost layer of the floor. Because the wood blocks appeared to be oil-saturated, they were presumed to contain PCBs at concentrations exceeding 50 mg/kg. Therefore, all of the wood blocks were handled as a hazardous waste. The blocks were placed in steel roll-off containers and disposed at CWM's Model City Landfill in Niagara County, New York.

Removal of Concrete Floor and Subgrade

In 1997, Dames & Moore collected samples to document the extent of PCBs on the main floor and in the materials beneath the floor. Dames & Moore collected 15 wipe samples from the floor and subfloor, 30 bulk concrete chip, concrete core, and subfloor samples, and 27 soil samples from the gravel beneath the floor. The locations of the samples are shown in Figure 5. The wipe and soil samples were field screened, and the bulk concrete and subfloor samples were sent to CAS for PCB analysis. Four of the wipe samples were also sent to CAS for analysis.

The analytical results for the 15 wipe samples that were collected from the concrete pad, concrete floor, and subfloor in the building in July and August 1997 are summarized in Table 7. The results showed that in most areas, the concrete pad, concrete floor, and subfloor contained PCB concentrations greater than 100 $\mu g/100\ cm^2$.

The analytical results for the 30 bulk samples of the concrete floor and subfloor that were collected in August and September 1997 are summarized in Table 8. The magnitude and depth of the PCBs in the floor and subfloor appeared to vary significantly. The concentrations of PCBs in several of the samples exceeded the NYSDEC's remediation goal of 50 mg/kg. Because several areas contained PCBs at depths greater than one inch from the surface of the floor, the concrete could not be decontaminated in a cost-effective manner. Therefore, following discussions with Pyramid Steel and NYSDEC, GE elected to remove and replace most of the floor.

Between June 10 and June 21, 1999, GE removed most of the concrete floor, which varied from four to 10 inches in thickness. Only the concrete floors of the west mezzanine (in the bathrooms, storage room, and tool room), in the compressor room, in the garage, and at the east end of the main floor, which was formerly occupied by offices, were left in place. Figure 4 shows the portions of the floor that were removed and the portions that remain. Approximately 80 percent of the main floor, or 940 cubic yards of concrete, was removed and properly disposed off-site

CAS analyzed 24 concrete samples (F-1 through F-28) to evaluate the PCB concentrations in the concrete. GE used the results of the analyses, which are summarized in Table 8, to segregate the concrete for disposal as a hazardous waste or as a non-hazardous solid waste, depending upon its PCB content.

The analytical results for the 27 soil samples that were collected from beneath the concrete floor in September 1997 are summarized in Table 9. As shown in Table 9, the soil samples met the PCB cleanup standard with the exception of two samples (Core 7 SS-1[SS-242] and B-13:0.5' [SS-261]). The analytical results for the September 1997 soil samples were used to evaluate the general quality of the soil beneath the concrete and were also used as a basis to modify the scope of work.

The September 1997 soil sampling showed that PCB impacts to soil beneath the building was limited to two areas. Following several modifications to the Work Plan, which included discussions with NYSDEC, EPA, and the property owner, the final plan (July 1998) to which all parties agreed included removal of the facility floor and underlying PCB-impacted soil to the extent feasible without undermining the building foundation. The two areas were subsequently excavated. Based on additional soil sample results from these two areas, it was confirmed that all soil with concentrations of PCBs above the cleanup objectives was removed. Portions of the floor with shallow PCB impacts were decontaminated.

In June 1999, after the concrete floor was removed, Dames & Moore collected 15 soil samples (SS-1 through SS-15) from the exposed subgrade. As shown in Table 9, two of these soil samples (SS-1 and SS-5) contained concentrations of PCBs that exceeded the remediation goal of 10 mg/kg. As shown in Figure 6, an additional foot of soil was removed from the areas surrounding sample locations SS-1 and SS-5. This excavated soil was disposed as a hazardous waste at CWM's Model City Landfill. Dames & Moore collected two additional soil samples (SS-1A and SS-5A) from these areas. As shown in Table 9, the analytical results for these two soil samples meet the NYSDEC's remediation goal for PCBs of less than 10 mg/kg.

In July 1999, Dames & Moore collected three additional soil samples (SS-16, SS-17, and SS-12A) to evaluate whether the PCBs detected in the two 1997 soil samples (Core 7 SS-1[SS-242] and B-13:0.5' [SS-261]) remained. As shown in Table 9, PCBs were not detected in soil samples SS-16, SS-17, and SS-12A. Thus, the soil that remained met the NYSDEC's remediation goals.

Decontamination

The floors in the west mezzanine (the bathrooms, the storage room, and the tool room), the compressor room, the garage, and the east end of the main floor were not removed. A surfactant was used to power wash the portions of the floor that were left in place. The four wipe samples (BATHROOM-1, DRUM-1, GARAGE-1, and STORE-1,) that document the post-remediation condition of the floors are shown on Figure 5. Wipe samples COMP-2, COMP-3, WM-1, WM-2, and WM-5 through WM-10 are not shown on Figure 5 because the sampled media was either removed or were on vertical wall surfaces. As shown in Table 7, the cleaned floors met the NYSDEC's remedial goal for PCBs on exposed surfaces of less than 10 $\mu g/100\ cm^2$.

5.1.2.4 Demolition and Removal of Portions of the Exterior of the Building

In June 1997, prior to beginning soil excavation along the outside of the building, GE removed the loading dock and these ancillary structures from the south and west sides of the building:

- The transite canopy above the south dock;
- The wood shed on the west dock; and
- The vent stack to the paint room on the west dock.

Concrete and steel debris (including the vent stack) that were generated during the demolition of the dock were disposed at High Acres Landfill as non-hazardous solid waste. The transite roof above the south loading dock was removed in accordance with New York State Department of Labor, Division of Safety and Health asbestos regulations. The asbestos waste was also disposed at the High Acres Landfill as non-friable asbestos waste.

5.1.3 Building Interior Decontamination and Restoration

In May and June 1999, GE pressure washed and painted more than 26,000 square feet of walls, ceilings, and trusses inside the building. In July 1999, GE replaced the 18,000 square foot concrete floor in the building.

5.1.3.1 Decontamination

The portions of the interior of the building that were not demolished were decontaminated by pressure washing in accordance with Section 02090 of the *Project Manual*.

Cleaning of the Walls, Ceiling, and Trusses

In 1997, Dames & Moore collected wipe samples from the skylights, ceiling, and interior walls of the building to evaluate whether there were PCBs on these surfaces. The analytical results for these samples are summarized in Table 7. The results for the wipe samples from the ceiling and skylights were less than the remediation goal of 10 $\mu g/100\ cm^2$. Thus, additional samples were not collected from these surfaces after they were cleaned in 1999.

In May and June 1999, the interior walls, ceiling deck, and trusses were pressure washed. The wash water was collected and treated through a carbon filtration system, stored in an on-site tank, sampled, and eventually discharged under a temporary discharge permit to the City of Buffalo's sanitary sewer system.

The walls, ceilings, and ceiling trusses were visually inspected after they were pressure washed. The surfaces that contained dust or grease were washed again. After the pressure washing, wipe samples were collected from the ceiling and walls. The analytical results for these wipe samples are summarized in Table 7. As shown, the results met the remediation goals. Therefore, these areas were painted.

Cleaning of the Cranes, Furnace, and Other Equipment

After the interior of the building was power washed in May and June 1999, the two cranes, the furnace, and the electrical circuit and control boxes were hand-cleaned. Both were decontaminated in accordance with procedures in Section 02090 of the *Project Manual*.

The furnace was taken apart and the internal components of the furnace, except for the heating core, were cleaned. The fiberglass insulation was removed from the interior panels of the

furnace and replaced with new insulation. The concrete floor beneath the furnace was washed and covered with an epoxy-based paint. The heater was reassembled following receipt of the confirmatory wipe sample results, which showed that the remediation goals had been met. Table 7 shows the analytical results for the confirmatory wipe samples from the cranes and the furnace.

Variances from Project Plans for Cleaning of Building Interior

The internal heating core of the furnace was not cleaned as originally specified in Section 02090 of the *Project Manual*. Based on a visual inspection, the core was observed to be free of dust and debris; therefore, the core was assumed clean and no wipe samples were collected for analysis. Because of its age and poor condition, it was suspected that attempting to clean the core could result in irreparable damage. Based on this information, the heating core was not cleaned.

The *Project Manual* specified that final approval of clean non-impervious surfaces would be based on a "white glove test" followed by confirmatory wipe samples. Dames & Moore did not interpret this to literally require the use of a white glove. Instead, we interpreted this to mean that surfaces should be visually free of dust, grease, or oil. This visual inspection was followed with wipe samples to confirm that surfaces were adequately cleaned.

5.1.3.2 Restoration

The restoration of the inside of the building included painting and the construction of a new floor.

Painting of Building Interior

During July 1999, the building walls, ceiling and trusses were painted with white, commercial grade paint. Although the *Project Manual* specified one complete coat of paint on the walls and ceiling, GE applied two or more coats of paint in areas where the surfaces were extremely porous, such as the ceiling deck and brick work.

Construction of New Floor

Between July 22 and July 30, 1999, GE installed a new floor in the building. Following the removal of the main floor and some soil from beneath the floor, a new sub-base material was placed and compacted in preparation for concrete placement. The main portion of the new floor is approximately seven to eight inches thick. The concrete contains two mats of steel reinforcement. Where the new floor joins to the old slab, steel reinforcing dowels were installed

to address possible differential movement. As-built drawings of the new floor are in Appendix F. The quality assurance documentation on the concrete materials is in Appendix G.

Variances from Project Plans for Floor Replacement

Part 2.05 of Section 03300 of the specifications in the *Project Manual* called for the concrete in the new floor to have an entrained air content of six percent (plus or minus one percent). This is an approximate requirement for concrete that is placed outdoors, but it is not appropriate for trowel-finished concrete slabs placed indoors. American Concrete Institute (ACI) standards call for non-air-entrained concrete for interior concrete slabs with a troweled finish.

The tests performed on the concrete used to construct the new floor inside the building indicated an air entrainment content that ranged from 0.8 percent to 1.1 percent. Dames & Moore believes that these values are acceptable, given the fact that the air entrainment specification of six percent should not apply to an interior slab.

The concrete specifications for the floor also called for a maximum four-inch slump. However, slump measurements estimated by the testing firm during construction of the floor ranged from three to 7.25 inches. Slump estimates were consistently higher on the first day of pouring than the second day. The differences were due to a plasticizing agent that was used to facilitate pumping of the concrete into the building, and whether concrete samples were collected for slump testing before or after the addition of the plasticizer.

On the first day of pouring, the concrete samples were collected from a pump reservoir after the addition of the plasticizing agent. The slumps were approximately seven inches. On the second day, the slump tests were conducted on concrete samples collected from the cement trucks as they arrived on-site, before the addition of the plasticizer. On the second day, the results of the slump tests were approximately four inches.

The addition of the plasticizer did not compromise the strength of the concrete. The results of the unconfined compression test were acceptable. The results of the 28-day unconfined compression test exceeded the requirement of 4,000 pounds per square inch. Thus, Dames & Moore believes that the concrete samples that exceeded the four-inch maximum slump were not a significant variance.

5.2 SOIL REMOVAL AND SITE RESTORATION

Between May 31 and September 4, 1997, GE removed approximately 4,700 cubic yards, or 7,000 tons, of PCB-containing soil from the west and south sides of the building. The soil was properly disposed.

After the analytical results for the post excavation soil samples demonstrated that the remaining soil met the remedial goals, GE backfilled the excavated areas and graded and restored the ground surface. Some areas were backfilled with clean fill from off-site sources. In other areas, on-site material, which was stockpiled, sampled, and verified to meet remedial objectives, was utilized as backfill. The restoration included the asphalt paving of more than 31,000 square feet of parking area adjacent to the building. This section summarizes the soil removal and the site restoration.

The proposed excavation depths and locations are specified in Drawing C-2 from the *Project Manual,* which has been reproduced as Appendix H. In some instances, excavation depths were modified based on the results of field screening of soil samples with immunoassay test kits. Samples collected from the final limits of the excavation were analyzed using immunoassay test kits or sent to the analytical laboratory for PCB analysis.

Figure 7 shows the final depths of the excavations prior to backfilling and regrading. As-built drawings that show the excavation contours and final ground surface contours after site restoration are in Appendix F. Groundwater was not encountered during the excavation. The only water that collected in the excavation pits originated from precipitation events.

In preparation for the excavation, the yard was cleared of debris, shrubs, and trees. The tree limbs and shrubs were shredded on site and used as mulch. Tree trunks and larger debris were disposed at High Acres Landfill as non-hazardous solid waste. Scrap steel, reportedly brought on-site by Pyramid Steel, was power-washed and sent to either Pyramid Steel's Tonawanda facility or a local scrap yard.

The following sections document the excavation, which took place in the three areas shown in Figure 7:

- Area 1 - Northwest Corner;
- Area 2 - South of the Building; and
- Area 3 - West of the Building.

5.2.1 Area 1 - Northwest Corner

As shown in Figure 7, Area 1 encompasses approximately one-half acre in the northwest corner of the site. GE removed a metal shed from the southern border of Area 1 during the Phase 1 work in 1996.

5.2.1.1 Overview

Prior to the removal of the soil from Area 1, the area was cleared and grubbed of trees and vegetation. Two soil piles generated during the on-site sewer replacement activities in 1996 were also removed and used as fill in deep excavations near the southeast corner of the building. Prior to the use of the soil as fill, samples of the stockpiled soil were field and laboratory analyzed to verify that they contained less than 10 mg/kg of PCBs. The analytical results for these samples are summarized in Table 10. Figure 10 shows the former tank pit area where the stockpiled soils were used as fill.

Drawing C-2 of the *Project Manual,* which is reproduced in Appendix H, shows the proposed horizontal and vertical limits of excavation for Area 1. The proposed excavation depth in Area 1 was one half foot below grade. Where field tests indicated that the soil contained less than 10 mg/kg PCBs, the soil was to be used as fill in other portions of the property below a depth of one foot. The *Project Plans* also specified removal of the concrete pad as non-hazardous waste that had been beneath the former shed, which was demolished during Phase 1 in 1996.

Figure 7 shows the limits of the final excavation in Area 1. Most of the excavation in Area 1 was to depths of one to two feet. The soil under the former shed slab was excavated to a depth of approximately two feet. Table 11 summarizes the analytical results from the PCB analyses of the soil samples collected from Area 1 during the excavation. Upon receipt of analytical results for the confirmation samples that met the remediation goals, the area was backfilled with clean soil. Figure 8 shows the locations of the final confirmation samples for Area 1. Table 12 summarizes the analytical results for samples representing soil remaining in Area 1.

5.2.1.2 Variances from *Project Plans*

Variances from the *Project Manual* for the soil remediation in Area 1 were related to the discovery of unanticipated conditions and structures, which included:

- Wood blocks;
- Additional soil removal under the concrete pad from the former shed;
- VOCs west of the concrete slab; and

- Buried concrete piers.

Wood Blocks

Debris and wood blocks similar to the blocks on the building's main floor were encountered during the removal of surface soil from Area 1. Most of the blocks were along the fence adjacent to French Street. Because of the buried blocks, additional excavation was required along the northern margin of Area 1. No staining was observed on the wood blocks and the representative samples collected from the surrounding soil contained less than 10 mg/kg PCBs. Therefore, the soil and debris was disposed as non-hazardous waste.

Although most of the soil removed from the area contained PCB concentrations less than 10 mg/kg, the material contained so much debris and was so heterogeneous that it could not be used as fill on site. The material removed from Area 1 was disposed as non-hazardous solid waste at High Acres Landfill. This area was backfilled after the receipt of confirmatory soil sample analytical results, which met the NYSDEC's remediation goals.

Soil Under Former Shed Concrete Pad

After the removal of the concrete pad that supported the former shed, the immunoassay field test kits were used to analyze samples of the underlying soil. Based on the results, an additional one foot of soil below the concrete pad was removed, leaving a total excavation depth of approximately two feet below the ground surface. The additional soil was disposed as hazardous waste at CWM's Model City Landfill. The concrete pad area was backfilled after the receipt of confirmatory soil sample analytical results that met the NYSDEC's remediation goals.

VOCs West of Concrete Pad

Soil and debris that contained PCBs and VOCs were encountered west of the concrete pad. Figure 9 shows the approximate extent of the soils in Area 1 in which VOCs were encountered. The headspace concentrations for soil samples from this area, which were measured with a PID, ranged from 0 ppm to 800 ppm during the removal of PCB-containing soil.

Two soil samples (SS-103 and SS-104 from 0 to 2 feet below the ground surface [bgs]) that registered PID readings of 600 to 800 ppm were analyzed for TCLP waste characterization parameters. The analytical results, which are summarized in Table 13, indicated that the soil was not a characteristic hazardous waste. No VOCs were detected in these samples at concentrations above detection limits.

Three test pits were excavated west of the concrete pad to assess the extent of the VOCs. Headspace readings were measured using a PID. The PID readings for the soil samples collected from the test pits were:

Test Pit 1:	Test Pit 2:	Test Pit 3:
3 feet bgs - 400 ppm	5 feet bgs - 52 ppm	4 feet bgs - 200 ppm
4 feet bgs - 29 ppm	6 feet bgs - 80.1 ppm	5 feet bgs - 60 ppm
5 feet bgs - 74 ppm	7 feet bgs - 6.3 ppm	6 feet bgs - 8 ppm
6 feet bgs - 34 ppm	8 feet bgs - 0.0 ppm	7 feet bgs - 7.8 ppm

Soil with PID readings above 100 ppm was removed from this area, leaving an excavation that graded from approximately three feet near the north end of Area 1 to five feet near the south end. One confirmatory soil sample (SS-165) was collected near Test Pit 3 from five feet bgs for VOC analysis. As shown in Table 14, VOC concentrations were below detection limits in this sample.

The excavated soil was disposed as hazardous waste at CWM's Model City Landfill. Following the completion of the excavation, soil samples were analyzed for PCBs and VOCs. As shown in Tables 14 and 12 (respectively), VOCs were not detected in the confirmatory soil sample from the bottom of the excavation, and PCB concentrations were below the remediation goal of 10 mg/kg. The VOC sample locations are shown on Figure 9, and the locations of samples documenting that remediation goals for PCBs were achieved are shown on Figure 8. The excavated area was backfilled with clean soil.

Buried Concrete Piers

As shown in Figure 8, two concrete piers were encountered at a depth of about one half foot below grade, just east of the concrete pad. Each pier measured approximately two feet by two feet by six feet deep. Due to the size of the piers, they were left in place and covered with clean fill and topsoil.

5.2.2 Area 2 - South of Building

As shown in Figure 7, Area 2 is a quarter-acre parcel south of the main building that extends south beyond the fence to Urban Street.

5.2.2.1 Overview

Drawing C-2 of the *Project Manual,* which is reproduced in Appendix H, indicated that the area south of the building and north of the fence line was to be excavated in sections of varying depths. The excavation depths were modified during the Phase 2 activities based on sampling results from the excavation in these areas. Areas near the southeast corner of the building required additional excavation. Other areas near the fence line were not excavated to the depths specified in the original *Project Manual* because the remediation goals were reached before reaching the specified depths. Dames & Moore discussed the sampling results with the NYSDEC representative on July 24, 1997. Based on these discussions, NYSDEC agreed that excavation depths should be dictated by the analytical results obtained during Phase 2 remedial work. Thus, soil excavation continued until the field sampling results indicated that the remedial goal was met. Select soil samples were analyzed by laboratory methods for final confirmation. Table 15 presents the results of the PCB analyses for the soil samples collected during the excavation in Area 2. Figure 10 shows the locations of the final confirmation samples, and Table 16 presents the analytical results for the final confirmation samples.

Figure 7 shows the final excavation depths for Area 2. As shown in Figure 7, the excavation depths in Area 2 varied from zero to 15 feet. The soil that was removed from Area 2 was disposed either as a non-hazardous solid waste at High Acres Landfill or as a hazardous waste at CWM's Model City Landfill, depending upon its PCB content.

5.2.2.2 Variances from *Project Plans*

Variances from the *Project Manual* for the soil remediation in Area 2 were related to the variations in the extent and nature of contamination from what was anticipated in the *Project Manual*. These five areas included:

- A former tank pit;
- The City of Buffalo's right-of-way along Urban Street;
- An area south of the building;
- An area along the building south wall; and
- A former railroad spur.

The remainder of this section provides details about each of these five areas.

Former Tank Pit Area

The proposed excavation depth south of the building's southeast corner was four to six feet below grade. However, an apparent former tank pit, which is shown in Figure 10, was encountered during the excavation of the area along the southern fence line. The clay fill material in the apparent former tank pit exhibited a petroleum odor. The contaminated materials were removed and disposed at CWM's Model City Landfill.

Two concrete tank tie-down pads were removed from a depth of approximately 10 feet below grade, extending the excavation to a depth of 12 feet. In addition, a 2-inch diameter steel pipe that appeared to contain fuel oil was removed from a depth of approximately 3 feet below grade. The former fuel line ran from the former tank pit into the southeast corner of the building. The pipe was removed from the ground outside the building and from the building interior and disposed at CWM's Model City Landfill.

Following the removal of the PCB-containing soil and the former tank structures, soil samples were collected from the four walls and two locations at the bottom of the pit. As shown in Table 17, no VOCs or SVOCs were detected in the TCLP analyses for five of the six samples of the soil that remained in place (SS-49, SS-52, SS-54, SS-55, and SS-56). A VOC (n-butylebenzene) and an SVOC (naphthalene) were detected in soil sample SS-48, which was collected from near the base of the south sidewall. Additional material was not excavated in this area because of the close proximity of the sidewalk along Urban Street. Table 18 summarizes the results of the total VOC analyses of four soil samples collected from the excavation (SS-53, SS-58, SS-59, and SS-60), which showed only traces of two VOCs: chlorobenzene and 1,1-dichloroethane. As shown in Table 19, petroleum hydrocarbons were not detected in a sample of the soil that was left in place (SS-52). With the permission of the NYSDEC, the base of the former tank pit (Figure 10) was backfilled using the fill that ERM-Northeast had stockpiled on the northwest corner of the property during replacement of the on-site sewer in 1996.

Excavation of City of Buffalo Right-of-Way

The extent of the excavation in Area 2 was expanded into the City's right-of-way along Urban Street during the project. Seven surface soil samples were collected south of the fence line for immunoassay analysis during the Phase 2 activities south of the building. The test kit results indicated that the surface soil along the right-of-way between the Urban Street sidewalk and the southern fence line contained concentrations of PCBs between one and 10 mg/kg.

GE obtained an access agreement and approval from the City of Buffalo to remove the upper foot of soil (approximately 140 cubic yards) south of the fence line. The area was backfilled

with clean fill after receipt of results for confirmation samples that met the remediation goals. Figure 10 shows the locations of these confirmation samples, and Table 16 summarizes the analytical results for the confirmation samples.

South of the Building

According to the *Project Manual*, the excavation south of the southwest corner of the building was to be conducted in a step-wise fashion with the proposed depths decreasing with distance from the building. Excavations to these three depths were planned:

- Eight feet below grade along the south building wall;
- Six feet below grade further south; and
- Four feet below grade along the southern fence line.

The results of field screening of confirmatory soil samples indicated that the PCB containing soil did not extend to the depths anticipated in the *Project Manual*. With the NYSDEC's approval, excavation of soil from the area south of the building was halted when the field screening and laboratory analytical results for confirmation soil samples indicated that the remedial goals had been met. Thus, the final depths of the excavation south of the building varied from the depths specified in the *Project Manual.* The locations of the final confirmation samples are shown in Figure 10, and the analytical results for these soil samples are summarized in Table 16.

VOCs Along South Wall

As shown in Figure 9, evidence of VOCs was encountered in the clay soil during excavation along the south wall of the building. Elevated PID readings led to the laboratory analysis of soil sample SS-76 for VOCs and SVOCs. As shown in Table 20, the soil contained elevated concentrations of several VOCs. Where possible, the VOC-impacted soil was removed and disposed appropriately. The excavation was to sufficient depth to also remove the PCB-impacted soil, as shown by the confirmation soil sample results in Table 16. However, portions of the VOC-impacted soil support the foundation of the south wall of the building (Figure 9). These soils could not be removed without endangering the structural integrity of the building. The volume of VOC-impacted soil that remains along the base of the south wall is estimated to be 50 feet long by 2 feet high by 2 feet wide.

With the NYSDEC's permission this area was backfilled after samples were collected to document remaining conditions. Three soil samples (SS-82, SS-137, and SS-146) were collected from the soil that remains along the edge of the south wall excavation. Samples SS-82 and SS-146 were analyzed for total VOCs, and sample SS-137 was analyzed for TCLP VOCs. As shown in Tables 20 and 21, four VOCs (1,1-DCA, 1,1-DCE, toluene, and 1,1-TCA) were

detected in the soil (SS-82) but not in the TCLP leachate (SS-137). Table 20 also shows that VOCs were not detected in soil sample SS-146. Following the sampling, a geotextile fabric was placed along the excavation to mark the limits of the excavation, and the excavation was backfilled. With NYSDEC's concurrence, a geotextile fabric was used as a visual barrier instead of the HDPE barrier described in the *Project Manual*.

Railroad Spur

During the removal of the surface soils from Area 2, remnants of the former rail spur adjacent to the former loading dock were encountered. The remnants, which included wooden railroad ties, cinder-like rail bedding material, and a four-inch vitrified clay tile drain, were removed and properly disposed at CWM's Model City Landfill. The analysis of confirmatory soil samples taken from along the former railroad spur indicated that PCB concentrations in the remaining soil were less than 10 mg/kg. Thus, the area was backfilled with clean fill.

5.2.3 Area 3 - West of Building

As shown in Figure 7, Area 3 extends west of the main building to the western property boundary. The former railroad spur ran from the northwestern corner of Area 3 to the southwestern corner before entering Area 2. Currently, the eastern portion of Area 3 is an asphalt parking lot, and the western portion is covered with grass.

5.2.3.1 Overview

As specified in Drawing C-2 of the *Project Manual*, which is reproduced in Appendix H, the proposed excavation depths in Area 3 varied. The west side of the site was to be excavated to a depth of six inches below grade with the exception of two areas. The *Project Manual* stated that a zone along the rail spur was to be excavated to a depth of six feet, and a small zone near the north side of Area 3 was to be excavated to a depth ten feet below grade. The area adjacent to the current parking lot west of the building was to be excavated to one foot below grade. Where appropriate, the surface soil removed from Area 3 was to be used as fill elsewhere on-site provided that the PCB concentrations were less than the remediation goals.

Figure 7 shows the final excavation depths in Area 3. Table 22 summarizes the PCB analytical results for soil samples collected from Area 3 during Phase 2. The locations of the final confirmatory soil samples are shown in Figure 11, and the PCB analytical results of those samples are summarized in Table 23.

A 10,000-gallon steel UST that had formerly been used to store fuel oil was removed from Area 3 in accordance with the *Project Manual*. The location of the fuel oil UST is shown in Figure 11. The tank contained approximately 1,600 gallons of fuel oil. Laboratory results for a sample of the fuel oil indicated that it did not contain PCBs. The fuel oil was removed and sent to REC Oil in York, Pennsylvania for recycling.

Following the removal of the UST, its exterior was decontaminated, and wipe samples were collected from the surface of the UST. The UST was cleaned again until the analytical results for the final post-decontamination wipe sample showed that the exterior of the UST contained less than 10 μg/100 cm^2 PCBs, as shown in Table 24. The tank was shipped to Levin Scrap Yard in the City of Tonawanda, New York.

Five confirmation samples (SS-150 through SS-154) were collected from the walls and bottom of the excavation and analyzed for VOCs and SVOCs (NYSDEC STARS Memo #1 list) and PCBs. The results of the VOC and SVOC analyses are summarized in Table 25, and the results of the field screening for PCBs are summarized in Table 22. The VOC and SVOC concentrations in four of the five samples (SS-151, SS-152, SS-154, and SS-155) were less than the STARS TCLP alternative guidance values. Field screening indicated that these four samples contained less than 10 mg/kg PCBs. Sample SS-153, which was collected from the west side of the UST pit, exceeded two of the STARS guidance values for VOCs, with 0.21 mg/kg n-butylbenzene and 0.27 mg/kg 1,2,4-trimethylbenzene. This sample also contained more than 50 mg/kg PCBs. The surrounding soil was excavated, and additional confirmatory soil samples were collected. The additional samples (SS-157 and SS-161) contained less than 10 mg/kg PCBs. Following the receipt of the analytical results confirming that soil concentrations were less than cleanup levels and with the NYSDEC's approval, the pit was backfilled using surface soils from the west end of the property that had PCB concentrations less than the NYSDEC's remedial goals.

5.2.3.2 Variances from *Project Plans*

Variances from the *Project Plans* in Area 3 were related to conditions that were not anticipated in the *Project Plans*. These four conditions included:

- Railroad bed;
- A sump and drain pipe along the north side of the rail spur;
- Changes of excavation depths; and
- Wood blocks along the west wall.

The remainder of this section discusses these conditions.

Railroad Bed

As shown in Figures 7 and 11, remnants of the former rail spur were removed from the western portion of the property. The former spur material, which consisted of rail bedding and railroad ties, extended from the southwest corner of the building to the site's western fence line.

Confirmatory soil samples were collected and analyzed for PCBs. After the receipt of analytical results that met the remediation goals, the area was backfilled. The fence was also replaced.

Sump and Drain Pipe

A 12-inch diameter steel drain pipe was encountered along the north side of the bed of the former rail spur. The pipe appeared to drain eastward to a concrete sump beneath the southwest corner of the former loading dock. Figure 11 shows the location of the drain tile and sump. The pipe and the sump contained a black, oily sludge. As shown in Table 27, laboratory analyses indicated that the sludge contained PCBs at a concentration of 330 mg/kg. As shown in Table 13, VOC and SVOC concentrations in the TCLP extract were less than the regulatory criteria for characteristic hazardous waste.

Another 12-inch steel pipe, which protruded from the south side of the sump, had been cut and sealed with concrete. This pipe terminated approximately three feet from the location of the former fuel oil UST. A 12-inch diameter vitrified clay pipe was also encountered several feet south of the former UST, and it appeared that the clay pipe was in line with the steel pipe north of the UST.

The sludge from the pipe was removed and shipped to CWM's Model City Landfill. CWM then shipped the sludge to its Port Arthur, Texas facility to be incinerated as a hazardous waste. The pipe, pipe bedding material, concrete sump, and associated steel pipe were removed and disposed as hazardous waste at CWM's Model City Landfill. Confirmatory soil samples were collected following removal of the pipe, sump, and surrounding soil. After the receipt of analytical results that met the remediation goals, the area was backfilled.

Perched water

An area of perched water was encountered in the rail bedding material above the clay layer southwest of the building near the sump. A sample (PERCHED WATER) was collected for analysis of PCBs and for waste characterization purposes. The area where perched water was

encountered is shown in Figure 3. As shown in Table 13, VOC concentrations were less than the regulatory criteria for characteristic hazardous waste. No other TCLP constituents were detected above the detection limits. As shown in Table 27, the PCB concentration was 2 ppm.

Excavation Depths

According to the *Project Manual*, an area on the north side of the rail spur was to be excavated to a depth of six feet, and an area on north side of Area 3 was to be excavated to a depth of ten feet. The rationale for these excavation depths was not explained in the *Project Manual*. As had been the case south of the building, the analytical results for the soil samples collected from these locations indicated that the NYSDEC's cleanup objectives were achieved before the excavation reached the specified depths.

Following the receipt of confirmatory sample analyses, and with the permission of the NYSDEC, excavation was halted at these two locations and the two pits were backfilled. As shown in Figure 7, the area to be excavated to six feet was excavated to two feet below grade. The area to be excavated to ten feet was excavated to five feet below grade. The analytical results for the confirmatory samples are shown in Table 23.

Wood Blocks Along West Exterior Wall

During the removal of the loading dock on the west side of the building, several stacks of wood blocks were found along the west wall of the building. The blocks appeared identical to those inside the building. The wood blocks were removed and disposed as hazardous waste at CWM's Model City Landfill.

5.2.4 Restoration of Disturbed Areas

Restoration of disturbed areas, which included backfilling, grading, and seeding of the site exterior, was conducted in accordance with Drawing C-4 of the *Project Manual* and the technical specifications in the *Project Manual*. The property was seeded in September 1997. Asphalt paving work was completed in August 1999. The owner of the site completed the landscaping, which included the planting of new trees and shrubs, in the spring of 2000.

5.3 SEWER REMEDIATION AND MONITORING

GE has cleaned the sewers near the site twice: once in 1996 as part of the Phase 1 activities, and later in 1998 as part of the Phase 2 activities. During remedial activities in Area 3, another

connection to the sewers was discovered, which prompted additional sewer investigation activities in 1997. At NYSDEC's request, GE also monitored the sediment and water quality in the sewers for PCBs from January through May 1998, in September and October of 1999, and August and November 2000. In August 2004, the BSA removed a root mass that obstructed the Belt Line sewer line between Winslow Avenue and East Ferry Streets. Additional sampling was conducted in 2007 to document the condition of this section of the sewer line and to document that the remedial objectives have been met.

5.3.1 1996 Sewer Cleaning

PCBs were detected in sediment samples collected from the off-site sewers downstream of the Urban Street site during ERM-Northeast's remedial investigations. Figure 12 shows the sewer system near the site. In accordance with the ROD and the *1995 Work Plan*, GE replaced the on-site sewers and cleaned off-site sewers near the site in 1996 as part of the Phase 1 activities. The only exception was the railroad right-of-way (Belt Line) section of sewer between Winslow Avenue and East Ferry Street. This 600-foot section of sewer was flushed from either side of a root mass that obstructed the pipe. The Phase 1 activities related to the sewers are documented in ERM-Northeast's *Phase I Certification Report.*

5.3.2 1997 Sewer Investigation

During the Area 3 remedial activities, a connection from the sump to the sewer was identified. At NYSDEC's request, sediment samples (E. Manhole and W. Manhole) were collected from two manholes on either side of the connection along Urban Street. During a project meeting in September 1997, NYSDEC requested that liquid and sediment samples (MH-FRENCH ST., MH-FRENCH + MOSESELLE, and MH-MOSSELLE) be collected from additional off-site sewer manholes. At GE's request, Dames & Moore collected liquid and sediment samples from on-site sewer manholes and catch basins (MH-1 through MH-5). Bulk samples of silt socks put in place to protect on-site sewers from adverse effects of the remedial work, and soil around the rim of the on-site manholes were also sampled. Sample locations are shown on Figure 12. PCB analytical results are summarized in Table 27.

5.3.3 1998 Sewer Cleaning

During the Phase 2 activities in 1998, GE recleaned portions of the sewers. From January 20 through January 28, 1998, GE cleaned and video inspected a 280-foot section of sewer along Urban Street, a 300-foot section of sewer along French Street, and approximately 600 feet of on-site sewer. On February 20, 1998, GE video inspected two small diameter pipes running along

Urban and French Streets from the site to the Belt Line sewer. The 1998 sewer cleaning and video inspection are documented in Dames & Moore's March 30, 1998 *Sewer Cleaning Summary and Sampling Results*, which is attached in Appendix I.

Figure 12 shows the sewer lines that were cleaned in 1998. Cleaning consisted of flushing the lines with water and collecting water and sediment using a vacuum truck. The collected water and sediment was transported to Chemical Waste Management in Model City, New York for disposal. Approximately 7,150 gallons of water and sediment were collected and disposed during the sewer cleaning.

Most of the connections to the sewers that were noted during the video inspection appeared to be unused and intended for future sewer hookups. A pipe in the manhole near the site on Urban Street appeared to lead back toward the site building. This pipe, which is believed to be an abandoned sewer connection, was plugged after the sewer cleaning.

5.3.4 1998-1999 Sewer Monitoring

At NYSDEC's request, GE monitored the sediment and water quality in the sewers for PCBs over a five month span from January through May 1998. A report of the sewer cleaning and monitoring conclusions was provided to the NYSDEC in Dames & Moore's *Sewer Sampling Results Report, May 1998, GE - 318 Urban Street Site, Buffalo, New York*, dated August 10, 1998. This report is attached in Appendix I.

In response to a request by NYSDEC dated July 29, 1999, GE conducted two more rounds of sampling and analyses in September and October of 1999 to update the characterization of the water and sediment quality in the sewers. The 1999 sewer monitoring program is described in Dames & Moore's August 27, 1999 *Revised Sewer Sampling Work Plan*, which is included in Appendix I. The results of the 1999 sewer monitoring program were presented to the NYSDEC in a letter dated December 15, 1999, which is also included in Appendix I.

Figure 13 presents a summary of the analytical results for PCB analyses of the water and sediment samples collected during the seven sampling events (January through May 1998 and September and October 1999). As of the last monitoring event in October 1999, PCB concentrations in the water at all monitoring locations were less than the Buffalo Sewer Authority (BSA) 2 µg/L slug discharge limit.

Monitoring data indicate that, in addition to being below the BSA slug discharge limit, PCB concentrations continue to decrease with time. Even though GE was unable to clean the 600-foot

section of sewer that contains the root mass, PCB concentration trends both upstream and downstream of the root mass are trending downward. Figure 14 presents trends for PCB concentrations in water at two monitoring locations along the Belt Line sewer. The figure shows that PCB concentrations at Winslow Avenue (above the root mass) and at East Ferry Street (below the root mass) have been well below the BSA's slug discharge limit of 2 μg/L since March 1998.

5.3.5 2000 Sewer Monitoring

At NYSDEC's request, GE performed additional sediment and water monitoring in the sewers for PCBs in August and November 2000 to document that the sediment and water quality in the sewers was improving. This work was conducted in response to a request by NYSDEC during a meeting on July 24, 2000.

The 2000 sewer monitoring program is described in URS' August 1, 2000 *2000 Sewer Sampling Work Plan*, which is included in Appendix I. The NYSDEC and BSA approved the work plan in a letter dated August 4, 2000, which is also included in Appendix I. A report of the sewer monitoring was provided to the NYSDEC in URS' *Results of 2000 Sewer Sampling, Former GE Apparatus Service Center - 318 Urban Street Site, Buffalo, New York*, dated February 19, 2001. This report is attached in Appendix I.

Figure 13 presents a summary of the analytical results for PCB analyses of the water and sediment samples collected during nine sampling events conducted between January 1998 and November 2000. Based on discussions with the NYSDEC and BSA, the BSA sewer discharge limit of 0.3 μg/L was used as a comparison value for PCBs in water. Based on the August 2000 monitoring event, PCB concentrations in the water at all monitoring locations were less than the Buffalo Sewer Authority (BSA) 0.3 μg/L sewer discharge limit. For the November 2000 monitoring event, only one sample (Beltline @ Windslow) was found to contain a PCB concentration (0.40 μg/L) that slightly exceeded the BSA's sewer discharge limit.

Monitoring data indicate that PCB concentrations in water continued to decrease with time since the initial monitoring event in January 1998, with all sample locations except one below the discharge limit of 0.3 μg/L as of 2000. Although there was some variability in concentrations of PCBs in water and sediment samples observed in the 2000 results compared to the 1999 results, the concentrations generally decreased in both water and sediment since 1998, with trace concentrations of PCBs detected in sediment during the November 2000 event. Figure 14 presents trends for PCB concentrations in water at two monitoring locations along the Belt Line sewer. The figure shows that PCB concentrations at Winslow Avenue (above the root mass) and

at East Ferry Street (below the root mass) were well below the BSA's slug discharge limit of 2 μg/L since March 1998 and generally below the sewer discharge limit of 0.3 μg/L since May 1998. The NYSDEC did not provide comments on the *Results of 2000 Sewer Sampling* report submittal.

5.3.6 2004 BSA Root Mass Removal

During the July 24, 2000 meeting with the NYSDEC and BSA discussed above, GE agreed to attempt to collect a sample from the root mass to determine if the root mass served either as a continued source of PCBs or a concern for BSA in terms of future sewer maintenance activities. A work plan for the proposed root mass sampling was developed and approved by the NYSDEC. Copies of the August 23, 2000 work plan and NYSDEC's approval letter, dated September 7, 2000, are provided in Appendix I. Submission of the work plan to BSA to sample the root mass led to a renewed effort to resolve potential liability and responsibility issues regarding the root mass removal. After additional dialogue, the issue could not be resolved. GE re-video taped the Belt Line sewer in October 2003 and again attempted to resolve responsibility and liability issues with BSA. GE was concerned about a potential disruption to rail traffic should removal of the root mass cause the sewer to collapse and undermine the raised rail bedding. GE asked BSA to be prepared to conduct emergency repairs, should the sewer collapse. The BSA subsequently removed the root mass in 2004 without GE's involvement or implementation of the work plan to sample the root mass.

BSA provided GE with a DVD of the sewer inspection video and copies of the sewer inspection logs documenting the removal of the root mass blocking the Belt Line sewer between Urban Street and East Ferry Street. GE subsequently provided copies of the DVD and sewer inspection logs to the NYSDEC. Based on the NYSDEC's and GE's review of the DVD, GE contacted the BSA in an attempt to obtain clarification and additional information regarding the work conducted. However, additional information was not available. Copies of the sewer inspection logs from the 2004 root mass removal are provided in Appendix I.

5.3.7 2007 Sewer Monitoring

At the request of NYSDEC, GE performed additional sediment and water monitoring in the sewers near the former root mass in April 2007 to evaluate levels of PCBs in the sewers after removal of the root mass. The results of the 2007 sampling would be used to evaluate whether the remedial goals were achieved to demonstrate that PCBs were no longer a threat to human health or the environment. The 2007 sewer monitoring program is described in URS' *2007 Sewer Sampling Work Plan*, dated March 14, 2007. The NYSDEC and BSA approved the Work

Plan in letters dated March 23, 2007 and April 2, 2007, respectively. The work plan and approval letters are attached in Appendix I. A report of the sewer monitoring conclusions was provided to the NYSDEC in URS' *Results of 2007 Sewer Sampling, Former GE Apparatus Service Center - 318 Urban Street Site, Buffalo, New York*, dated May 3, 2007. This report is also included in Appendix I.

Figure 13 presents a summary of the analytical results for PCB analyses of the water and sediment samples collected between January 1998 and April 2007. The analytical results for the water samples collected in April 2007 indicated that PCBs were not present at concentrations above the laboratory detection limits. The laboratory detection limits varied by aroclor, and ranged from 0.014 to 0.049 μg/L. Based on the results of the April 2007 sediment samples, low concentrations of PCBs (0.31 and 0.39 mg/kg) were detected. However, the concentrations were below 1 mg/kg, which is generally considered to be protective of human health and the environment.

Monitoring data indicate that, in addition to being below the BSA limit, PCB concentrations in water have continued to decrease with time since the initial monitoring event in January 1998. Figure 14 presents trends for PCB concentrations in water at two monitoring locations along the Belt Line sewer. The figure shows that PCB concentrations in water samples collected at Winslow Avenue and at East Ferry Street have been well below the BSA's sewer discharge limit of 0.3 μg/L since May 1998. While low levels of PCBs were detected in sediment samples, the concentrations detected in 2007 were an order of magnitude lower than the concentration detected in 2000. The PCB concentrations in the 2007 sediment samples were below 1 mg/kg, which is generally considered to be protective of human health and the environment. The results of the 2007 sampling event document that the objectives of the ROD have been achieved. The NYSDEC reviewed this report submittal and indicated that they did not have any comments.

6.0 SUMMARY OF WASTE DISPOSAL

GE disposed the waste that was generated during the remedial project at properly licensed facilities in accordance with the technical specifications of the *Project Plans* and applicable state and federal regulations. The type of waste materials generated during the Phase 2 work included PCB-containing soil, PCB-contaminated debris, sludge, water, lead paint filters, and asbestos. Table 26 shows a complete list of the waste disposed during the remedial project. Copies of the waste manifests and weight tickets are provided in Appendix J.

The materials generated during Phase 2 of the remediation were disposed, discharged, or recycled at one of these four facilities:

- High Acres Landfill (soil and asbestos);
- CWM's Model City Landfill (soil, sludge, and water);
- BSA Sanitary Sewers (treated water); and
- Levin's Scrap Yard (scrap steel and the decommissioned UST).

6.1 WASTE CHARACTERIZATION

Waste characterization sampling and analysis was conducted in accordance with applicable federal and state regulations to determine the location and manner in which the materials and soil removed from the site could be disposed. The analytical results are included in Appendix C.

Waste containing 50 mg/kg or more of PCBs was handled as TSCA-regulated waste and disposed as a New York State hazardous waste at CWM's Model City Landfill. Waste containing less than 50 mg/kg PCBs was handled as non-hazardous solid waste and disposed at High Acres Landfill.

6.1.1 Waste from Building

With the exception of the steel I-beams, the waste generated from the demolition of the interior office space and exterior loading dock was disposed as a nonhazardous solid waste at High Acres Landfill (approximately 1,700 cubic yards). The steel I-beams were sent to Levin's Scrap Yard in Tonawanda, New York after wipe sample analyses showed that PCB concentrations on the I-beam surfaces were less than 10 µg/100 cm^2.

The wood block flooring and miscellaneous debris removed during the equipment cleaning procedures were disposed at CWM's Model City Landfill. Approximately 100 cubic yards of

wood block were removed and disposed off-site. Samples were collected from the concrete floor beneath the wood blocks at 24 locations for PCB analyses. The floor was segregated for disposal based on the analytical results. Approximately 940 cubic yards of concrete floor was removed and disposed off-site. An estimated 425 cubic yards of concrete floor was disposed as hazardous waste, and the remaining 515 cubic yards was disposed as non-hazardous solid waste.

6.1.2 Soil

Approximately 7,000 tons (4,700 cubic yards) of soil was removed and disposed off-site. Soil removed from the site was disposed as either hazardous or non-hazardous solid waste. Unless a field test kit or laboratory analysis indicated that the soil contained less than 50 mg/kg PCBs, the soil was disposed at CWM's Model City Landfill in Niagara County, New York as a hazardous waste. Soil that was demonstrated to contain less than 50 mg/kg PCBs was disposed at High Acres Landfill in Monroe County, New York. Approximately 3,000 tons (2,000 cubic yards) was disposed as a hazardous waste and 4,000 tons (2,700 cubic yards) was disposed as non-hazardous solid waste.

Soil with evidence of VOCs was analyzed using the TCLP to evaluate whether it was a characteristic hazardous waste. None of the soil samples was a characteristic hazardous waste. Thus, soil that contained VOCs was disposed based upon its PCB concentrations.

6.2 LIQUID WASTE

Water in the sump and rain water that collected in the excavation resulting from removal of the former concrete sump was collected and transported from the site using a 5,000-gallon pump truck and treated at CWM's Model City Landfill. Approximately 20,000 gallons of water were removed from the sump drain. The water that was generated during the decontamination of an on-site pump truck was placed in 18 55-gallon drums and transported to CWM's Model City Landfill.

Wastewater and sediments generated during the 1998 sewer cleaning was removed by Marcor for disposal at CWM's Model City Landfill. Approximately 7,150 gallons of water and solids were collected and disposed during the sewer cleaning. No wastewater was generated during subsequent sewer monitoring activities.

Wastewater that was generated during the building decontamination in 1999 was collected, treated through carbon filters, and temporarily stored in a tank. Following the analysis of

samples for PCBs, the water was discharged under a Buffalo Sewer Authority discharge permit to the sanitary sewer system under Urban Street.

6.3 SLUDGE WASTE

Sludge removed from the former concrete sump and rail spur drain pipe west of the building was placed in five 55-gallon drums. The drums were transported to CWM's Model City Landfill for eventual incineration at CWM's Port Arthur, Texas facility.

6.4 MISCELLANEOUS WASTE

Asbestos-containing materials and lead-containing paint filters were removed from the building during Phase 2 of the remediation.

6.4.1 Asbestos

Waste generated during removal of floor tiles, pipe insulation, the transite roof from the loading dock, and the windows was disposed at High Acres Landfill as asbestos waste in accordance with EPA and New York State Department of Labor, Division of Safety and Health regulations. A total of approximately 28 tons of asbestos and associated waste (glass and steel from the windows) was shipped off-site for disposal.

6.4.2 Paint Filters

The paint filters that were removed during the demolition of the paint booth were bagged, placed in a 55-gallon drum, and disposed as lead-containing hazardous waste at CWM's Model City Landfill.

7.0 CONCLUSIONS

URS concludes that GE has remediated the contaminated soil, building, and sewer components of the former service shop at 318 Urban Street in Buffalo, New York in accordance with the NYSDEC's 1995 Record of Decision.

The remainder of this section summarizes GE's activities during the completion of Phase 2 of the remediation, which consisted of these three tasks:

- Building decontamination, demolition, and restoration;
- Soil removal and site restoration; and
- Sewer remediation.

7.1 BUILDING DECONTAMINATION, DEMOLITION, AND RESTORATION

GE has cleaned and removed the equipment from the building in accordance with the *Project Plans*. The Johnson Heater, which remains in the building, has been dismantled, cleaned, and reassembled. The cranes and electrical circuit and control boxes that remain in the building have also been cleaned. After removing the equipment, GE removed these portions of the building and disposed them properly off-site:

- Asbestos-containing materials;
- The east mezzanine and associated offices;
- The west mezzanine lunch area;
- The paint booth and vent stack on the main floor;
- The shop office on the main floor below the west mezzanine;
- The transformer pit;
- The wood block floor;
- The windows and the window frames;
- The exterior loading dock along the south and west walls;
- The transite canopy above the south dock;
- The wood shed on the west dock; and
- Contaminated portions of the concrete floor and underlying fill.

After removing portions of the building, GE pressure washed the interior walls, ceiling deck, and trusses, and portions of the floor. The wash water was collected and properly disposed off-site. Post-remediation wipe samples of the building's floors, walls, and ceiling indicated that the building's interior surfaces met the remedial goal for PCBs of less than 10 $\mu g/100\ cm^2$.

GE coated the building's interior walls, ceiling, and trusses with at least one coat of white, commercial grade paint. Two or more coats were applied on extremely porous surfaces such as the ceiling deck and brick work.

GE removed and replaced the majority of the building slab in accordance with July 1998 Work Plan. Underlying PCB-impacted soil was excavated from two areas and confirmatory samples indicated that the remaining soil met the unrestricted use remedial goal for PCBs. Removed concrete and soil was properly disposed off-site. GE completed the restoration of the building by installing a new reinforced concrete floor over new sub-base material.

7.2 SOIL REMOVAL AND SITE RESTORATION

Between May 31 and September 4, 1997, GE removed approximately 4,700 cubic yards of soil from west and south of the building. The soil was properly disposed off-site. Confirmatory soil samples collected from excavations throughout the site indicated that the remaining soil met the remedial goals for PCBs of less than 1 mg/kg for soils less than one foot deep and less than 10 mg/kg for soils below one foot.

The final excavation depths, which are shown in Figure 7, varied in places from the depths specified in the *Project Plans*. However, GE, Dames & Moore, and the NYSDEC agreed that the depths of excavation should be governed by the contaminant concentrations found in the soil during the Phase 2 remedial activities. Confirmatory soil samples from the excavated areas indicate that the remaining soil meets the remedial goals for PCBs of less than 1 mg/kg in surface soils and less than 10 mg/kg in soils deeper than one foot below the ground surface. Soil containing VOCs has also been removed from Areas 1 and 2, except in portions of Area 2 where removing the soil would undermine the building or the sidewalk along Urban Street. The remaining VOC-impacted soil in Area 2 is not a characteristic hazardous waste. The remaining VOC-impacted soil along the building foundation was covered with a geotextile fabric layer and clean backfill.

GE removed an UST that had formerly been used to store fuel oil in the southeast corner of Area 3. The tank contained approximately 1,600 gallons of fuel oil, which was shipped off-site to be recycled. After GE cleaned the surfaces of the tank, wipe sample results indicated that PCB concentrations on the surface of the tank were less than 10 $\mu g/100cm^2$, and the tank was properly disposed off-site. Confirmatory soil samples from the final excavation in the UST area indicated that the soil that was left in place met the NYSDEC's remedial goals for PCBs and contained no SVOCs and only traces of VOCs.

During the excavation, GE encountered these materials, which were removed and properly disposed off-site:

- Debris and wood blocks in the surface soil in Area 1;
- Remnants of a former rail spur, which included wooden railroad ties, cinder-like rail bedding material, and a four-inch vitrified clay tile;
- A sump and drain pipe near the southwest corner of the building; and
- Wood blocks along the west exterior wall of the building.

A pair of concrete piers in the southwest corner of Area 1 were left in place and covered with backfill.

Previously excavated on-site soil with PCB concentrations less than 10 mg/kg was used to fill portions of the excavated areas that are greater than one foot in depth. The remaining excavated areas were backfilled with imported clean fill. Portions of the property were seeded or paved with asphalt in accordance with Drawing C-4 of the *Project Manual* and the technical specifications in the *Project Manual*. The site owner completed the final landscaping in 2000.

7.3 SEWER REMEDIATION

GE has cleaned the sewers down gradient of the site by flushing them with water. The water and solids that were generated were sent off-site for proper disposal. The effectiveness of the sewer cleaning was documented on video tape as required by the *Project Plans*. Several monitoring events were conducted following the cleaning and following BSA's 2004 root mass removal project along a portion of the Belt Line sewer.

With the most recent round of sampling and analysis in April 2007, GE has now completed a total of ten sampling events since 1998. The most recent monitoring results indicate very low levels of residual PCBs remain in the sewer sediments, and no detectable PCBs in sewer water. In addition, the 2007 monitoring event indicates continued decreasing trends of PCBs concentrations in water and sediment. The most recent sampling of water from the sewers indicates that concentrations at all locations were less than the BSA's sewer discharge limit of 0.3 µg/L.

8.0 SITE MANAGEMENT PROGRAM

A site management program will be implemented at the site in order to prevent inadvertent disruption and possible release of subsurface soil with residual concentrations of PCBs. The site management program has been incorporated into a NYSDEC-approved *Site Management Plan*, and includes:

- A description of the Engineering controls and of the areas and media with residual or trace PCB-impacts;
- An *Excavation Plan*; and
- An Environmental Notice.

The site management program was developed by GE and the NYSDEC. Current and future owners of the site assume responsibility for maintaining the engineering controls and reporting requirements as specified in the *Site Management Plan*. The remainder of this section provides a summary of the elements that are incorporated into the *Site Management Plan*, which was approved by the NYSDEC in March 2012.

8.1 DESCRIPTION OF ENGINEERING CONTROLS AND RESIDUAL IMPACTS

The post-remediation engineering controls include securing the site with a fence and covering impacted subsurface soil with at least one foot of clean soil cover or other barrier, such as concrete or asphalt. These engineering controls address areas of soil with PCB concentrations between one and ten mg/kg, soil with concentrations of SVOCs greater than STARS guidance levels, and soil with concentrations of VOCs greater than the Recommended Soil Cleanup Objectives (RSCOs) published in NYSDEC's Technical and Administrative Guidance Memorandum *Determination of Soil Cleanup Objectives and Cleanup Levels* (TAGM 4046) dated January 24, 1994. Note that in accordance with the project work plans, soil with PCB concentrations between one and ten mg/kg was left in place below structures or under at least one foot of soil cover, and that soil with elevated concentrations of VOCs or SVOCs were left in place with the approval of the NYSDEC because further excavation would have undermined nearby structures. Engineering controls to address residual impacts at the site include:

- **Exterior Areas:** a 12 inch cover layer, comprised of soil and/or asphalt depending on the specific location, over soils containing PCBs at levels above one mg/kg and less than or equal to ten mg/kg.

- **Exterior Area, adjacent to southern wall of the building:** a geotextile fabric and 12 or more inches of soil cover over soils containing VOCs above unrestricted use values in a small area 50 feet long and two feet wide near the building foundation.

- **Main Building Area:** reinforced concrete flooring over soils containing PCBs at levels above 1 mg/kg and less than or equal to 10 mg/kg, and reinforced concrete flooring concrete associated with a former transformer pit at a depth of four to ten feet below the building containing PCB's at levels above one mg/kg and less than or equal to ten mg/kg.

Figure 7 of the *Final Construction Certification Report* shows the areas that were the focus of the Phase II remediation. Figure 2 of the report presents the final site layout and features, including cover types, after site remediation activities were completed.

8.2 EXCAVATION PLAN

The NYSDEC-approved *Site Management Plan* includes an Excavation Plan, which has been developed for the site and includes specific requirements and procedures for the site owner to follow if the cover materials (soil, asphalt, or concrete slab) are disturbed. The Excavation Plan also includes procedures for materials management in the event impacted media or the engineering controls are disturbed. Finally, the plan includes requirements for regulatory interactions.

8.3 INSPECTIONS AND REPORTING

The NYSDEC-approved *Site Management Plan* includes procedures for biennial site inspections of the engineering controls by a qualified environmental professional and requirements for regulatory interactions, such as submission of a biennial monitoring report.

8.4 ENVIRONMENTAL NOTICE

An Environmental Notice has been placed on the property and was recorded with Erie County (file number 2011136426, book 11205, page 2990). A copy of the Environmental Notice is contained in Appendix K. The environmental notice serves as a notice to current and future owners of the site that there is an environmental restriction placed on the property. It also makes reference to the *Site Management Plan*, which states that the use of the site is restricted to industrial purposes, and includes requirements for maintaining the Engineering Controls. Additional property owner requirements are specified in the NYSDEC-approved *Site Management Plan.*

9.0 ENGINEERING CERTIFICATION

I, Don Porterfield, certify that I am currently a NYS registered professional engineer, I had primary direct responsibility for the implementation of the subject construction program beginning in 1999, I have completed a detailed review of the documentation of the work performed, observations made by URS employees, information provided by URS subcontractors, and information provided by the remediation contractors for the project prior to 1999, and I certify that the Remedial Work Plans were implemented and that all construction activities were completed in substantial conformance with the applicable portions of these NYSDEC-approved Remedial Work Plans:

- *Project Manual, Building Decontamination and Soil Remediation, 318 Urban Street, Buffalo, New York* (ERM-Northeast, March 15, 1997);
- *Confirmation Sampling Plan, Building Decontamination and Soil Remediation, 318 Urban Street, Buffalo, New York* (Dames & Moore, June 4, 1997);
- *Work Plan for Final Building Decontamination and Site Restoration General Electric Company, 318 Urban Street, Buffalo, New York* (Dames & Moore, July 20, 1998); and
- *Sewer Sampling Work Plans* referenced in Section 5.3.

This *Final Construction Certification Report* and the *Site Management Plan* were submitted in accordance with electronic submission protocols.

The data submitted to the NYSDEC demonstrates that the remediation requirements set forth in the above mentioned remedial work plans and all applicable statutes and regulations have been achieved in accordance with the time frames, if any, established in the work plans.

All use restrictions, institutional controls, engineering controls and/or any operation and maintenance requirements applicable to the site are contained in an environmental notice created and filed with the clerk of the County in which the site is located.

A *Site Management Plan* has been submitted for the continual and proper operation, maintenance, and monitoring of any engineering controls employed at the site and that such plan has been approved by the NYSDEC.

By _____ Date May 22, 2012

New York Professional Engineer License No. 071402

Don Porterfield
URS Corporation – New York
3 Corporate Drive, Suite 203
Clifton Park, New York 12065
(518) 688-0015

10.0 REFERENCES

Buffalo Sewer Authority, 2004 Sewer Inspection Logs - Root Mass Removal.

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ERM-Northeast, Inc., *Interim Remedial Measure Work Plan for Off-site Properties to the 318 Urban Street Site*, dated June 18, 1992 (revised October 13, 1992).

ERM-Northeast, Inc., *Phase II Site Investigation Report - Off-property Soil Sampling - 318 Urban Street Site*, dated September 4, 1992.

ERM-Northeast, Inc., *Remedial Investigation Report - 318 Urban Street Site*, dated November 19, 1992.

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TABLES

TABLE 1

FIELD SCREENING AND LABORATORY PCB ANALYSES
FOR WIPE SAMPLES OF EQUIPMENT

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Machine Name	Approximate Volume (cubic feet)	Machine ID	Sample Log #	Sample ID	Sample Date	PCB Analytical Results (µg/100cm^2)		Status	Date Moved Off-Site
						Test Kit	Lab		
SHELDON LATHE	□100	M-1	86	M1-W1	5/22/1997	10-100	NA	Cleaned	
			95	M1-W2	5/24/1997	□10	NA	Released	5/28/1997
FLATTENER	100-500	M-2	106	M2-W1	5/24/1997	□10	NA	Released	
			107	M2-W2	5/24/1997	□10	NA	Released	6/4/1997
HALLDEN SHEAR (50 FT)	□500	M-3	47	M-3-W1	5/17/1997	10-100	NA	Cleaned	
			48	M-3-W2	5/17/1997	10-100	NA	Cleaned	
			49	M-3-W3	5/17/1997	10-100	NA	Cleaned	
			50	M-3-W4	5/17/1997	10-100	NA	Cleaned	
			58	M-3-2	5/17/1997	□10	NA	Released	
			63	M3-W5	5/20/1997	10-100	□1.0	Released	5/28/97,
			64	M3-W6	5/20/1997	□10	□1.0	Released	5/29/97 &
			65	M3-W7	5/20/1997	10-100	□1.0	Released	6/4/1997
12 STRAND RECOILER (50 FT)	□500	M-4	51	M-4-W1	5/17/1997	10-100	NA	Cleaned	
			52	M-4-W2	5/17/1997	10-100	NA	Cleaned	
			53	M-4-W3	5/17/1997	□10	NA	Cleaned	
			66	M4-W4	5/20/1997	10-100	NA	Cleaned	
			67	M4-W5	5/20/1997	10-100	NA	Cleaned	
			68	M4-W6	5/20/1997	□10	NA	Released	
			100	M4-W7	5/24/1997	□10	NA	Released	
			101	M4-W8	5/24/1997	□10	NA	Released	5/30/1997
HALLDEN PAY-OFF	100-500	M-5	73	M5-W1	5/21/1997	10-100	NA	Cleaned	
			74	M5-W2	5/21/1997	10-100	NA	Cleaned	
			81	M5-W3	5/22/1997	□100	NA	Cleaned	
			82	M5-W4	5/22/1997	□100	NA	Cleaned	5/28/97,
			87	M5-W5	5/23/1997	□10	NA	Released	5/30/97 &
			88	M5-W6	5/23/1997	□10	NA	Released	6/5/1997
HALLDEN SHEAR	100-500	M-6	75	M6-W1	5/21/1997	□10	NA	Cleaned	
			76	M6-W2	5/21/1997	10-100	NA	Cleaned	
			83	M6-W3	5/22/1997	□100	NA	Cleaned	
			84	M6-W4	5/22/1997	□100	NA	Cleaned	
			97	M6-W5	5/24/1997	□10	NA	Released	5/30/97 &
			98	M6-W6	5/24/1997	□10	NA	Released	6/5/1997

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						Test Kit	Lab		
WESTINGHOUSE ANNEALING FURNACE	3 separate pieces; all □500	M-7	189	M7-W1	6/4/1997	10-100	4.7	Released	
			190	M7-W2	6/4/1997	□10	NA	Released	
			191	M7-W3	6/4/1997	□10	NA	Released	
			220	M7-W4	6/5/1997	10-100	□1	Released	
			221	M7-W5	6/5/1997	□10	NA	Released	
			222	M7-W6	6/5/1997	□10	NA	Released	
			223	M7-W7	6/6/1997	□10	NA	Released	6/4/97,
			224	M7-W8	6/6/1997	□10	NA	Released	6/5/97,
			233	M7-W9	6/7/1997	10-100	NA	Cleaned	6/6/97 &
			239	M7-W10	6/7/1997	□10	NA	Released	6/10/1997
LITTLE SHEAR	100-500	M-9	92	M9-W1	5/24/1997	□10	NA	Released	
			93	M9-W2	5/24/1997	□10	□1.0	Released	6/4/1997
MCKAY FLATTENER	□100	M-10	91	M10-W1	5/24/1997	□10	□1.0	Released	5/28/1997
PAXTON PAY-OFF	100-500	M-11	77	M11-W1	5/22/1997	10-100	NA	Cleaned	
			78	M11-W2	5/22/1997	10-100	NA	Cleaned	
			89	M11-W3	5/23/1997	□10	NA	Released	
			90	M11-W4	5/23/1997	□10	NA	Released	5/29/1997
SUNBEAM ANNEALING FURNACE	□500	M-12	113	M12-W1	5/26/1997	□10	NA	Released	
			114	M12-W2	5/26/1997	□10	NA	Released	
			115	M12-W3	5/26/1997	□10	NA	Released	Not Removed
SUNBEAM ANNEALING FURNACE	□500	M-13	132	M13-W1	5/29/1997	□10	□1.0	Released	
			133	M13-W2	5/29/1997	□10	NA	Released	
			134	M13-W3	5/29/1997	□10	NA	Released	Not Removed
SHEET CLAMP / CRANE	□500	M-14	19	M-14-W1	5/14/1997	□10	NA	Released	
			41	M-14-W2	5/16/1997	10-100	NA	Cleaned	
			42	M-14-W3	5/16/1997	10-100	NA	Cleaned	
			145	M14-W2	5/30/1997	□10	NA	Released	5/28/97 &
			146	M14-W3	5/30/1997	□10	NA	Released	6/3/1997
BROWN & SHARP GRINDER	□100	M-15	94	M15-W1	5/24/1997	□10	□1.0	Released	5/28/1997

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318 URBAN STREET
BUFFALO, NEW YORK

Machine Name	Approximate Volume (cubic feet)	Machine ID	Sample Log #	Sample ID	Sample Date	PCB Analytical Results (µg/100cm^2)		Status	Date Moved Off-Site
						Test Kit	Lab		
E.W. BLISS PRESS	100-500	M-16	117	M16-W1	5/28/1997	□10	NA	Released	6/3/97, 6/4/97
			118	M16-W2	5/28/1997	□10	NA	Released	& 6/12/97
NIAGARA PRESS	□100	M-17	119	M17-W1	5/28/1997	10-100	□1.0	Released	6/4/1997
BOXES OF DIES & ROLLERS	□100	M-18	combined with M-54						
DIE BOXES[a] & DIES	□500	M-19	39	M-19-W1	5/16/1997	10-100	NA	Cleaned	
			40	M-19-W2	5/16/1997	10-100	NA	Cleaned	
			37	M-19-W3	5/16/1997	□10	NA	Cleaned	
			38	M-19-W4	5/16/1997	10-100	NA	Cleaned	
			216	M19-W5	6/5/1997	□10	NA	Released	
			217	M19-W6	6/5/1997	□10	NA	Released	
			228	M19-W7	6/6/1997	□10	NA	Released	
			229	M19-W8	6/6/1997	□10	NA	Released	6/10/1997
WOOD CABINET	□100	M-20	69	M20-W1	5/20/1997	10-100	NA	Disposed	6/5/1997
WOOD CRATES CONTAINING ROLLERS	100-500	M-21	61	M-21-W1	5/20/1997	10-100	1.9	Released	
			62	M-21-W2	5/20/1997	10-100	2.8	Released	6/5/1997
WHITE FURNACE BRICKS	□500	M-22	54	M-22-W1	5/17/1997	10-100	NA	Cleaned	
			55	M-22-W2	5/17/1997	□10	NA	Released	
			56	M-22-W3	5/17/1997	□10	NA	Released	
			57	M-22-W4	5/17/1997	□10	NA	Released	
			192	M22-W5	6/4/1997	□10	NA	Released	
			193	M22-W6	6/4/1997	□10	NA	Released	6/4/1997
ASEA GENERATOR	□100	M-23	159	M23-W1	5/31/1997	□10	NA	Released	6/5/1997
GE GEAR BOX	□100	M-24	157	M24-W1	5/31/1997	□10	NA	Released	6/10/1997
LITTELL PAY-OFF REEL	□100	M-25	178	M25-W1	6/2/1997	□10	NA	Released	6/3/1997
HUBBELL ELECTRICAL PANEL	□100	M-26	185	M26-W1	6/3/1997	□10	NA	Released	6/10/1997
FLATTENER	□100	M-27	183	M27-W1	6/3/1997	□10	□1.0	Released	6/5/1997
ELECTRIC MOTOR	□100	M-28	155	M28-W1	5/31/1997	□10	NA	Released	6/3/1997
RADICON GEAR BOX	□100	M-29	156	M29-W1	5/31/1997	□10	NA	Released	6/3/1997
JAMES CHICAGO GEAR	□100	M-30	158	M30-W1	5/31/1997	□10	NA	Released	6/3/1997

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						Test Kit	Lab		
PILE OF MISC. PARTS (10' x 10')	□500	M-31	153	M-31-W1	5/31/1997	□10	NA	Released	
			154	M-31-W2	5/31/1997	□10	NA	Released	
			184	M31-W3	6/3/1997	□10	NA	Released	6/3/97,
			238	M-31-W4	6/7/1997	10-100	NA	Cleaned	6/10/97 &
			240	M31-W5	6/7/1997	□10	NA	Released	6/12/1997
DELROYD WINDER	□100	M-32	182	M32-W1	6/2/1997	□10	NA	Released	6/5/1997
STEEL TABLE (green: 8' x 3')	□100	M-33	112	M33-W1	5/26/1997	10-100	NA	Cleaned	
			116	M33-W2	5/28/1997	□10	□1.0	Released	6/5/1997
ELECTRICAL CONTROL PANEL FOR SUNBEAMS	100-500	M-34	152	M34-W1	5/31/1997	□10	NA	Released	6/4/97 & 6/5/97
STEEL SAW HORSE	□100	M-35	103	M35-W1	5/24/1997	10-100	NA	Cleaned	
			111	M35-W2	5/26/1997	10-100	NA	Cleaned	
			151	M35-W3	5/31/1997	□10	NA	Released	6/6/1997
STEEL DRUM TABLE	□100	M-36	104	M36-W1	5/24/1997	□10	NA	Released	5/29/1997
BREAK (4 FT)	□100	M-37	108	M37-W1	5/24/1997	□10	NA	Released	6/4/1997
LOCKERS IN TOOL ROOM	□100	M-38	109	M38-W1	5/24/1997	□10	NA	Released	5/30/1997
RED FLOOR JACK	□100	M-39	110	M39-W1	5/24/1997	□10	NA	Released	6/12/1997
SCRAP METAL BINS	100-500	M-40	120	M40-W1	5/28/1997	□10	□1.0	Released	
			121	M40-W2	5/28/1997	□10	NA	Released	5/30/1997
WESTINGHOUSE ELECTRICAL PANEL (with M-7)	□500	M-41	179	M-41-W1	6/2/1997	□10	□1.0	Released	
			180	M41-W2	6/2/1997	□10	NA	Released	
			206	M41-W3	6/5/1997	□10	NA	Released	6/4/1997
DOWN ENDER	□100	M-42	85	M42-W1	5/22/1997	□100	NA	Cleaned	
			96	M42-W2	5/24/1997	□10	□1.0	Released	6/4/1997
SCRAP WINDER	□100	M-43	126	M43-W1	5/28/1997	□10	NA	Released	6/4/1997
SNOW BLOWER ATTACHMENT	□100	M-44	43	M-44-W1	5/16/1997	□10	NA	Released	5/16/1997
MOTORS (center of floor)	□100	M-45	160	M45-W1	5/31/1997	□10	NA	Released	6/4/1997
FLATTENER	□100	M-46	102	M46-W1	5/24/1997	□10	NA	Released	6/4/1997
GEAR BOXES & MOTOR PARTS (pile)	□100	M-47	Combined with M-45						6/4/97 & 6/10/97
MOTOR DOLLEY	□100	M-48	125	M48-W1	5/28/1997	□10	NA	Released	6/5/1997
2 HEAD PAY-OFFS	□100	M-49	Not Sampled[b]						6/6/1997
STONE SURFACE PLATE	□100	M-50	122	M50-W1	5/28/1997	□10	NA	Released	6/4/1997

TABLE 1

FIELD SCREENING AND LABORATORY PCB ANALYSES
FOR WIPE SAMPLES OF EQUIPMENT

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Machine Name	Approximate Volume (cubic feet)	Machine ID	Sample Log #	Sample ID	Sample Date	PCB Analytical Results (µg/100cm^2)		Status	Date Moved Off-Site
						Test Kit	Lab		
STEEL TABLE (5' x 3')	□100	M-51	181	M51-W1	6/2/1997	□10	NA	Released	6/10/1997
FORK LIFT (Allis-Chalmers)	100-500	M-52	244	M52-W1	6/9/1997	□10	NA	Released	
			245	M52-W2	6/9/1997	□10	NA	Released	
			384	M52-RIMW1	7/25/1997	□10	NA	Released	
			385	M52-RIMW2	7/25/1997	□10	NA	Released	7/30/1997
C HOOK	□100	M-53	187	M53-W1	6/3/1997	□10	NA	Released	6/6/1997
STEEL BASKETS	100-500	M-54	218	M54-W1	6/5/1997	□10	NA	Released	
			219	M54-W2	6/5/1997	□10	NA	Released	6/6/1997
WELDER (and bottle dolley for torch)	□100	M-55	99	M55-W1	5/24/1997	□10	□1.0	Released	6/4/97 & 6/12/97
STEEL TABLE (2' x 3')	□100	M-56	131	M56-W1	5/28/1997	□10	NA	Released	5/30/1997
STANDING FAN (6' tall)	□100	M-57	215	M57-W1	6/5/1997	10-100	NA	Cleaned	
			225	M57-W2	6/6/1997	□10	NA	Released	6/12/1997
DRY-TYPE TRANSFORMER	□100	M-58	105	M58-W1	5/24/1997	□10	NA	Released	Not Removed
WORK LIGHT (7' tall)	□100	M-59	237	M59-W1	6/7/1997	□10	NA	Released	6/12/1997
STANDING FAN (6' tall)	□100	M-60	234	M-60-W1	6/7/1997	□10	NA	Released	6/12/1997
RAILROAD DOLLY TRACKS	□100	M-61	144	M61-W1	5/30/1997	□10	NA	Released	6/5/1997
FENN MACHINES	□100	M-62	162	M62-W1	5/31/1997	10-100	NA	Cleaned	
			188	M62-W2	6/3/1997	□10	NA	Released	6/6/1997
TRACK CUTTER WITH TRACK	□100	M-63	226	M63-W1	6/6/1997	□10	NA	Released	6/12/1997
SHEET METAL CUTTER	□100	M-64	232	M64-W1	6/6/1997	□10	NA	Released	6/10/1997
WOOD BOX OF SAW / CUTTING BLADES	□100	M-65	235	M65-W1	6/7/1997	□10	NA	Released	6/12/1997
MIG WELDER	100-500	M-66	227	M66-W1	6/6/1997	□10	NA	Cleaned	
			236	M66-W2	6/7/1997	10-100	NA	Cleaned	
			241	M66-W3	6/9/1997	□10	NA	Released	Not Removed
GREEN MACHINE STAND (2.5' x 1')	□100	M-67	Combined with M-54						
STEEL RACK (triangle stand)	□100	M-68	Combined with M-54						
CABLE CONNECTOR (1' x 6" x 6")	□100	M-69	Combined with M-7						
DRIVE SHAFT	□100	M-70	Combined with M-75						
GEAR REDUCER	□100	M-71	Combined with M-54						
CLAMP (gray, 3' long)	□100	M-72	Combined with M-75						

TABLE 1

FIELD SCREENING AND LABORATORY PCB ANALYSES
FOR WIPE SAMPLES OF EQUIPMENT

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Machine Name	Approximate Volume (cubic feet)	Machine ID	Sample Log #	Sample ID	Sample Date	PCB Analytical Results (µg/100cm^2)		Status	Date Moved Off-Site
						Test Kit	Lab		
HOOK FOR CRANE	□100	M-73	248	M73-W1	6/10/1997	10-100	NA	Cleaned	
			255	M73-W2	6/10/1997	10-100	NA	Cleaned	
			360	M-73-W3	7/19/1997	□10	NA	Released	6/12/1997
WEIGHTS (1' cube)	□100	M-74	249	M74-W1	6/10/1997	□10	NA	Released	Not Removed
STAINLESS STEEL DIE	□100	M-75	247	M75-W1	6/10/1997	□10	NA	Released	6/12/1997
COPPER CABLE CONNECTORS	□100	M-76	246	M76-W1	6/10/1997	□100	180	Disposed	6/99
TABLE SAW	100-500	M-77	254	M77-W1	6/10/1997	□10	NA	Released	
			361	M-77-W4	7/19/1997	□10	NA	Released	6/12/1997
CRANE TROLLEY	□100	M-78	252	M78-W1	6/10/1997	10-100	□20	Cleaned	
			253	M78-W2	6/10/1997	10-100	NA	Cleaned	
			364	M78-W3	7/18/1997	NA	□1.0	Released	Not Removed
HENDEY LATHE	100-500	WM-1	33	WM-1-W1	5/16/1997	10-100	□1.0	Released	
			60	WM-1-W2	5/17/1997	□10	NA	Released	12/9/1997
SIP JIG BORE	100-500	WM-2	29	WM-2-W1	5/16/1997	10-100	□1.0	Released	
			127	WM-2-W2	5/28/1997	□10	□1.0	Released	12/9/1997
PEERLESS SAW	□100	WM-3	30	WM-3-W1	5/16/1997	10-100	□1.0	Released	12/15/1997
MILWAUKEE MILL	□100	WM-4	128	WM4-W1	5/28/1997	□10	NA	Released	12/9/1997
CARBOLOY GRINDER	□100	WM-5	32	WM-5-W1	5/16/1997	10-100	1.2	Released	12/10/1997
PORTER CHOP SAW	□100	WM-6	129	WM-6-W1	5/28/1997	□10	NA	Released	12/15/1997
OIL VAT	□100	WM-7	143	WM7-W1	5/30/1997	□10	NA	Released	6/10/1997
LANDIS GRINDER	□100	WM-8	139	WM8-W1	5/29/1997	□10	NA	Released	12/9/1997
BROWN & SHARPE GRINDER	□100	WM-9	138	WM9-W1	5/29/1997	10-100	□1.0	Released	12/15/1997
BETRAM LATHE	100-500	WM-10	123	WM-10-W1	5/28/1997	□10	□1.0	Released	
			124	WM10-W2	5/28/1997	□10	NA	Released	12/10/1997
CINCINNATI EDM	100-500	WM-11	213	WM11-W1	6/5/1997	□10	NA	Released	12/10/97 &
			214	WM11-W2	6/5/1997	□10	NA	Released	12/15/1997
CINCINNATI GRINDER	□100	WM-12	130	WM12-W1	5/28/1997	□10	NA	Released	12/15/1997
SURFACE PLATE & TABLE	□100	WM-13	140	WM13-W1	5/29/1997	□10	NA	Released	6/4/1997
EXACTO MILL	□100	WM-14	31	WM-14-W1	5/16/1997	□10	□1.0	Released	12/10/1997
PAY-OFF RECOILERS	□100	WM-15	26	WM-15-W1	5/14/1997	□10	NA	Released	6/4/1997

TABLE 1

FIELD SCREENING AND LABORATORY PCB ANALYSES
FOR WIPE SAMPLES OF EQUIPMENT

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Machine Name	Approximate Volume (cubic feet)	Machine ID	Sample Log #	Sample ID	Sample Date	PCB Analytical Results (µg/100cm^2)		Status	Date Moved Off-Site
						Test Kit	Lab		
DUFF ROLLER	□100	WM-16	22	WM-16-W1	5/14/1997	□10	NA	Released	6/4/1997
CYLINDER CLAMPS	100-500	WM-17	20	WM-17B-W1	5/14/1997	□10	NA	Released	
			21	WM-17-W1	5/14/1997	□10	NA	Released	5/16/1997
CABLE DRUMS	□100	WM-18	23	WM-18-W1	5/14/1997	□10	NA	Released	6/3/1997
RACKS	□100	WM-19	24	WM-19-W1	5/14/1997	□10	NA	Released	6/4/1997
SEPARATOR ROLLS (16" OD)	□100	WM-20	25	WM-20-W1	5/14/1997	□10	NA	Released	6/3/1997
SEPARATOR ROLLS (16" OD)	□100	WM-21	27	WM-21-W1	5/14/1997	□10	NA	Released	6/3/1997
STEEL CABINETS	□100	WM-22	34	WM-CAB-W1	5/16/1997	10-100	NA	Cleaned	6/3/97&
			59	WM-CAB-W2 (WM-22-W2)	5/17/1997	□10	NA	Released	6/10/1997
LOCKERS	□100	WM-23	135	WM23-W1	5/29/1997	□10	NA	Released	6/3/97 & 6/12/97
HYDRAULIC PUMP	□100	WM-24	136	WM24-W1	5/29/1997	□10	NA	Released	6/12/1997
DESK	□100	WM-25	142	WM25-W1	5/30/1997	□10	NA	Released	6/10/1997
T-TYPE CLARIFIER	□100	WM-26	137	WM26-W1	5/29/1997	□10	NA	Released	12/15/1997
WORK BENCH	□100	WM-27	141	WM27-W1 (work table)	5/30/1997	□10	□1.0	Released	6/12/1997
DOLLY TABLE	□100	WM-28	242	WM28-W1	6/9/1997	□10	NA	Released	6/12/1997
SPARE CRANE PART	□100	WM-29	Combined with M-54						
THREE HEAD BANDER	□100	EM-1	161	EM1-W1	5/31/1997	□10	NA	Released	6/4/1997
WOOD BOX WITH HEAT COILS	100-500	EM-2	71	EM-2-W1	5/20/1997	□10	NA	Released	
			72	EM-2-W2	5/20/1997	□10	NA	Released	
			79	EM2-W3	5/22/1997	10-100	NA	Cleaned	
			80	EM2-W4	5/22/1997	10-100	NA	Cleaned	
			207	EM2-W5	6/5/1997	□10	NA	Released	
			208	EM2-W6	6/5/1997	□10	NA	Released	6/12/1997
BOXES WITH SPINDLES	□100	EM-3	70	EM3-W1	5/20/1997	10-100	NA	Cleaned	
			186	EM3-W2	6/3/1997	□100	NA	Cleaned	
			210	EM3-W3	6/5/1997	□10	NA	Released	6/10/1997
RESISTORS	□100	EM-4	209	EM4-W1	6/5/1997	□10	NA	Released	6/12/1997
PAINT CANS (40+)	100-500	EM-5	147	EM5-W1	5/30/1997	□10	NA	Released	6/3/97, 6/4/97
			148	EM5-W2	5/30/1997	□10	NA	Released	& 6/5/97
MOTORS	□100	EM-6	149	EM6-W1	5/30/1997	□10	NA	Released	6/10/1997
CABLE DRUMS	□100	EM-7	150	EM7-W1	5/30/1997	□10	NA	Released	6/3/1997

TABLE 1

FIELD SCREENING AND LABORATORY PCB ANALYSES
FOR WIPE SAMPLES OF EQUIPMENT

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Machine Name	Approximate Volume (cubic feet)	Machine ID	Sample Log #	Sample ID	Sample Date	PCB Analytical Results (µg/100cm^2)		Status	Date Moved Off-Site
						Test Kit	Lab		
STAIRCASE TO 2ND FLOOR	□500	EM-8	356	EM-8:W1	7/19/1997	10-100	NA	Cleaned	
			357	EM-8:W2	7/19/1997	10-100	NA	Cleaned	
			358	EM-8:W3	7/19/1997	□10	NA	Released	
			359	EM-8:W4	7/19/1997	□10	NA	Released	
			362	EM-8:W5	7/19/1997	□10	NA	Released	
			363	EM-8:W6	7/19/1997	□10	NA	Released	8/27/1997
ITE CONTROL BOXES	□100	EM-9	243	EM9-W1	6/9/1997	□10	NA	Released	6/9/1997
BEARINGS	100-500	EM-10	211	EM10-W1	6/5/1997	10-100	NA	Cleaned	
			212	EM10-W2	6/5/1997	10-100	NA	Cleaned	
			230	EM10-W3	6/6/1997	□10	NA	Released	
			231	EM10-W4	6/6/1997	□10	NA	Released	6/10/1997
CONDUIT (4" x 25')	□100	EM-11	256	EM-11-W1	6/11/1997	□10	NA	Released	6/12/1997
GEAR BOXES	100-500	GB	321	GB-W1	7/8/1997	6.5	NA	Cleaned	Recleaned in 1999
			322	GB-W2	7/8/1997	56	NA	Cleaned	prior to return to
			323	GB-W3	7/8/1997	□1	NA	Cleaned	interior
			324	GB-W4	7/8/1997	□1	NA	Cleaned	Not Removed

Notes: Machine IDs are related to equipment location: M - Equipment on main floor
WM - Equipment on west mezzanine
EM - Equipment on east mezzanine

Equipment wipe sample locations are not shown on figures.
Field screening was conducted with immunoassay test kits (Strategic Diagnostics, Inc.)
Laboratory analysis was performed using EPA Method 8080.
Field screening results fall within the concentration ranges indicated.

Cleanup standard for exposed surfaces is 10 µg/100 cm^2.
Number of wipe samples was dependent on equipment size. One sample was collected from equipment smaller than 100 cubic feet, two samples were collected from equipment between 100 and 500 cubic feet, and three samples were collected from equipment larger than 500 cubic feet.
NA □Not Analyzed
Cleaned □Equipment cleaned following wipe test results in excess of cleanup standard.
Released □Equipment released for shipment off-site.
Disposed □Equipment shipped off-site for disposal at a properly permitted facility.
Not Removed □Remained on site

[a]Die boxes were disposed and replaced with new boxes. Dies were cleaned and placed in new boxes for shipment.

[b]Two-Head Pay-Offs were brought on site in April, 1997, brand new, clean, and stored under plastic until they were shipped off-site.

TABLE 2

LABORATORY PCB ANALYSES
FOR OIL SAMPLES FROM EQUIPMENT

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Sample Log #	Equipment Name	Sample ID	Date Sampled	PCB Concentration (mg/kg)
1	Cincinnati EDM	WM-11	5/13/1997	□5
2	Betram Lathe	WM-10	5/13/1997	**24**
3	Exacto Mill	EXACTO (WM-14)	5/13/1997	□5
4	Landis Grinder	WM-8	5/13/1997	□5
5	Milwaukee Mill	WM-4	5/13/1997	□5
6	Hendey Lathe	WM-1	5/13/1997	□5
7	Brown & Sharpe Grinder	WM-9	5/13/1997	□5
8	Sip Jig Bore	WM-2	5/13/1997	□5
9	Brown & Sharpe Grinder	M-15	5/13/1997	□5
10	E. W. Bliss Press	M-16	5/13/1997	□5
11	Sheldon Lathe	M-1	5/13/1997	□5
12	Hallden Shear	M-6	5/13/1997	□5
13	Hallden Pay-Off	M-5	5/13/1997	□5
14	Westinghouse Annealing Furnace	M-7	5/14/1997	**42**
15	Little Shear	M-9	5/14/1997	□5
16	McKay Flattener	M-10	5/14/1997	□5
17	Three Head Bander	EM-1	5/14/1997	□5
18	Outside Forklift	OFL	5/14/1997	□5
28	Hallden Shear (50 ft)	M-3	5/16/1997	**21**
312	Gear Box	GB-A1	7/8/1997	□5[a]
313	Gear Box	GB-A2	7/8/1997	□5[a]
314	Gear Box	GB-A3	7/8/1997	□5[a]
315	Gear Box	GB-B1	7/8/1997	□5[b]
316	Gear Box	GB-B2	7/8/1997	□5[b]
317	Gear Box	GB-B3	7/8/1997	□5[b]
318	Gear Box	GB-C1	7/8/1997	□5[c]
319	Gear Box	GB-C2	7/8/1997	□5[c]
320	Gear Box	GB-C3	7/8/1997	□5[c]

Notes: Oil samples were analyzed by EPA Method 8080.
Numbers in bold are concentrations that were detected above the method detection limit.
GB samples were collected from gear boxes that were not included in the equipment log (Table 1).

[a]Composite sample (A1, A2, A3)

[b]Composite sample (B1, B2, B3)

[c]Composite sample (C1, C2, C3)

TABLE 3

LABORATORY PCB ANALYSES
FOR WIPE SAMPLES FROM I-BEAMS
REMOVED FROM EAST MEZZANINE

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Log #	Sample ID	Date	PCB Concentration (μg/100 cm^2)
326	BEAM-W1	7/10/1997	□1.0
327	BEAM-W2	7/10/1997	□1.0
328	BEAM-W3	7/10/1997	2.6
329	BEAM-W4	7/10/1997	□1.0

Notes: Laboratory analysis was performed using EPA Method 8080.
The cleanup standard for PCBs on exposed surfaces is 10 μg/100 cm^2.

TABLE 4

FIELD SCREENING AND LABORATORY PCB ANALYSES
FOR TRANSFORMER PIT FILL, BULK CONCRETE, AND WIPE SAMPLES

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Log #	Sample ID	Date	Comments	Media	Units	PCB Analytical Results	
						Test Kit	Lab
375	SS-91	7/24/1997	Sample of fill soil found in transformer pit.	Soil	mg/kg	1-10	NA
376	SS-92	7/24/1997	Sample of fill soil found in transformer pit.	Soil	mg/kg	1-10	NA
74-99	P-1	6/7/1999	Wipe sample of transformer pit, north wall, after first decon.	Wipe	µg/100 cm^2	□10	NA
75-99	P-2	6/7/1999	Wipe sample of transformer pit, south wall, after first decon.	Wipe	µg/100 cm^2	10-100	NA
76-99	P-3	6/7/1999	Wipe sample of transformer pit, east wall, after first decon.	Wipe	µg/100 cm^2	□10	□1.0
77-99	P-4	6/7/1999	Wipe sample of transformer pit, west wall, after first decon.	Wipe	µg/100 cm^2	□10	NA
78-99	P-5	6/7/1999	Wipe sample of transformer pit floor, after first decon.	Wipe	µg/100 cm^2	10-100	NA
73-99	P-6	6/7/1999	Concrete chip sample from transformer pit wall, after first decon.	Concrete	mg/kg	NA	1.4

Notes: The former transformer pit is shown on Figure 3.
Field screening was conducted with immunoassay test kits (Strategic Diagnostics, Inc.).
Laboratory analysis was performed using EPA Method 8080.
Field screening results fall within the concentration ranges indicated.
The cleanup standard for PCBs on exposed surfaces is 10 µg/100 cm^2.
The cleanup standard for PCBs on surfaces that will be subsequently encapsulated is 100 µg/100 cm^2.
The cleanup standard for PCBs in bulk samples, including the walls and floor of the transformer pit, is 50 mg/kg.
NA □Not analyzed.

TABLE 5

BULK SAMPLE ASBESTOS ANALYSES

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Log #	Sample ID	Date	Comments	Location	Analytical Results
163	EWAB-1	5/31/1997	Bulk sample of window glazing on east mezzanine.	Building	5□ Chrysotile Asbestos 95□ Non-Fibrous Material
164	SWAB-2	5/31/1997	Bulk sample of window glazing from south windows.	Building	3□ Chrysotile Asbestos 97□ Non-Fibrous Material
165	WWAB-3	5/31/1997	Bulk sample of window glazing on west side of building.	Building	5□ Chrysotile Asbestos 95□ Non-Fibrous Material
166	NWAB-4	5/31/1997	Bulk sample of window glazing on north side of building.	Building	5□ Chrysotile Asbestos 95□ Non-Fibrous Material
270	SUNBM-AB1	6/24/1997	Bulk asbestos sample from Sunbeam ammonia condenser under west mezzanine (to be landfilled).	Equipment	25□ Chrysotile Asbestos 40□ Amosite Asbestos 35□ Non-Fibrous Material

Note: Laboratory analysis performed by Dames & Moore in Salem, New Hampshire using Methods EPA-600/M4-82-020 and EPA-600/R-93-116.

TABLE 6

LABORATORY PCB ANALYSES
FOR WINDOW AREA WIPE AND BULK SAMPLES

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Log #	Sample ID	Date	Comments	Media	Units	PCB Analytical Results
278	EMW-W1	6/28/1997	Wipe of area between window frame and brick wall on east mezzanine.	Wipe	µg/100 cm^2	1.8
279	WMW-W1	6/28/1997	Wipe of area between window frame and brick wall on west mezzanine.	Wipe	µg/100 cm^2	□1.0
303	EMWC-W1	7/2/1997	Wipe of window frame caulking after cleaning, east mezzanine window caulking.	Wipe	µg/100 cm^2	3.9
301	EM-WG-B1	7/2/1997	Bulk sample of window glazing, cleaned on surface and on the unexposed portion of the material, taken from east mezzanine window.	Bulk	mg/kg	2.2
302	EM-WG-B2	7/2/1997	Bulk sample of window glazing, cleaned on exposed surface only, east mezzanine window.	Bulk	mg/kg	□0.4

Notes: Laboratory analysis was performed using EPA Method 8080.
The cleanup standard for PCBs on exposed surfaces is 10 µg/100 cm^2.
The cleanup standard for PCB bulk samples is 50 µg/gram (50 mg/kg).

TABLE 7

FIELD SCREENING AND LABORATORY PCB ANALYSES
FOR BUILDING WIPE SAMPLES
BUILDING DECOMMISSIONING/SOIL REMEDIATION
GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Area	Log #	Sample ID	Date	PCB Analytical Results (µg/100cm^2)		Status
				Test Kit	Lab	
Concrete Pad	420	CON-W1	7/31/1997	□100	NA	Removed
	421	CON-W2	7/31/1997	□100	NA	Removed
	486	CON-W3	8/9/1997	NA	74	Removed
Concrete Floor	549	CONFLOOR2-W1	8/27/1997	10-100	NA	Removed
	550	CONFLOOR2-W2	8/27/1997	10-100	NA	Removed
Subfloor	422	SUBFLOOR-W1A	7/31/1997	□100	NA	Removed
	423	SUBFLOOR-W1B	7/31/1997	□100	620	Removed
	424	SUBFLOOR-W2A	7/31/1997	□100	NA	Removed
	425	SUBFLOOR-W2B	7/31/1997	10-100	NA	Removed
	487	SUBFLOOR-W1C	8/9/1997	□100	2,000	Removed
	488	SUBFLOOR-W2C	8/9/1997	NA	4.7	Removed
	545	SUBFLOOR-W1D	8/27/1997	□100	NA	Removed
	546	SUBFLOOR-W2D	8/27/1997	□100	NA	Removed
	547	SUBFLOOR-W3D	8/27/1997	□100	NA	Removed
	548	SUBFLOOR-W4D	8/27/1997	□100	NA	Removed
Bathroom	681	BATHRM-W1	12/18/1997	NA	13	Cleaned and Resampled Bathroom-1
	52-99	BATHROOM-1	6/4/1999	NA	1.2	Released

TABLE 7

FIELD SCREENING AND LABORATORY PCB ANALYSES
FOR BUILDING WIPE SAMPLES
BUILDING DECOMMISSIONING/SOIL REMEDIATION
GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Area	Log #	Sample ID	Date	PCB Analytical Results (µg/100cm^2)		Status
				Test Kit	Lab	
Boiler/Compressor	268	BR FLOOR-W1	6/24/1997	NA	12	Cleaned and Resampled Comp-1
Room Floor and	269	BR FLOOR-W2	6/24/1997	NA	11	Cleaned and Resampled Comp-2
Walls	71-99	COMP-1	6/7/1999	□10	NA	Cleaned and Resampled Comp-3
	72-99	COMP-2	6/7/1999	□10	NA	Released
	83-99	COMP-3	6/8/1999	NA	1.8	Released
Drum room	682	DRUMRM-W1	12/18/1997	NA	5.8	Cleaned and Resampled Drum-1
Floor	51-99	DRUM-1	6/4/1999	NA	1.6	Released
Garage Floor	111-99	GARAGE-1	6/29/1999	□10	NA	Released
Storeroom	683	STORERM-W1	12/18/1997	NA	49	Cleaned and Resampled Store-1
Floor	27-99	STORE-1	5/27/1999	NA	4.6	Released

TABLE 7

FIELD SCREENING AND LABORATORY PCB ANALYSES
FOR BUILDING WIPE SAMPLES
BUILDING DECOMMISSIONING/SOIL REMEDIATION
GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Area	Log #	Sample ID	Date	PCB Analytical Results (µg/100cm^2)		Status
				Test Kit	Lab	
West Mezzanine	678	WMFLOOR-W1	12/18/1997	NA	7.5	Cleaned and Resampled WM-1
Floor	679	WMFLOOR-W2	12/18/1997	NA	19	Cleaned and Resampled WM-2
	680	WMFLOOR-W3	12/18/1997	NA	4.1	Cleaned and Resampled WM-10
	25-99	WM-1	5/27/1999	NA	8	Released
	26-99	WM-2	5/27/1999	NA	□1.0	Released
	30-99	WM-3	6/1/1999	□100	NA	Cleaned and Resampled WM-5
	31-99	WM-4	6/1/1999	□100	NA	Cleaned and Resampled WM-6
	45-99	WM-5	6/4/1999	NA	1.6	Released
	46-99	WM-6	6/4/1999	NA	1.3	Released
	47-99	WM-7	6/4/1999	NA	□1.0	Released
	48-99	WM-8	6/4/1999	NA	□1.0	Released
	49-99	WM-9	6/4/1999	NA	□1.0	Released
	50-99	WM-10	6/4/1999	NA	1.8	Released

TABLE 7

FIELD SCREENING AND LABORATORY PCB ANALYSES
FOR BUILDING WIPE SAMPLES
BUILDING DECOMMISSIONING/SOIL REMEDIATION
GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Area	Log #	Sample ID	Date	PCB Analytical Results (µg/100cm^2)		Status
				Test Kit	Lab	
Ceiling	664	C-W1	12/18/1997	NA	□1.0	Cleaned
	665	C-W2	12/18/1997	NA	□1.0	Cleaned
	666	C-W3	12/18/1997	NA	□1.0	Cleaned
	667	C-W4	12/18/1997	NA	□1.0	Cleaned
	668	C-W5	12/18/1997	NA	□1.0	Cleaned
	669	C-W6	12/18/1997	NA	□1.0	Cleaned
Skylights	658	CW-W1	12/18/1997	NA	□1.0	Cleaned
	659	CW-W2	12/18/1997	NA	□1.0	Cleaned
	660	CW-W3	12/18/1997	NA	□1.0	Cleaned
	661	CW-W4	12/18/1997	NA	□1.0	Cleaned
	662	CW-W5	12/18/1997	NA	□1.0	Cleaned
	663	CW-W6	12/18/1997	NA	□1.0	Cleaned
East Wall	489	E.WALLA-W1	8/9/1997	NA	1.2	Painted
	490	E.WALLA-W2	8/9/1997	NA	1.2	Painted
	491	E.WALLA-W3	8/9/1997	NA	2.6	Painted
	492	E.WALLB-W1	8/9/1997	10-100	1.2	Painted
	493	E.WALLB-W2	8/9/1997	□10	2.4	Painted
	494	E.WALLB-W3	8/9/1997	□10	6.2	Painted
	674	EWALL-W1	12/18/1997	NA	□1.0	Painted
	675	EWALL-W2	12/18/1997	NA	□1.0	Painted
	44-99	EW-1	6/4/1999	□10	NA	Painted
	64-99	EW-2	6/4/1999	□10	NA	Painted
	65-99	EW-3	6/4/1999	□10	□1.0	Painted
	66-99	EW-4	6/4/1999	□10	NA	Painted
	98-99	EW-5	6/28/1999	□10	NA	Painted
	99-99	EW-6	6/28/1999	□10	NA	Painted

TABLE 7

FIELD SCREENING AND LABORATORY PCB ANALYSES
FOR BUILDING WIPE SAMPLES
BUILDING DECOMMISSIONING/SOIL REMEDIATION
GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Area	Log #	Sample ID	Date	PCB Analytical Results (µg/100cm^2)		Status
				Test Kit	Lab	
West Wall	676	WWALL-W1	12/18/1997	NA	□1.0	Painted
	677	WWALL-W2	12/18/1997	NA	□1.0	Painted
	57-99	WW-1	6/4/1999	□10	NA	Painted
	41-99	WW-2	6/4/1999	□10	NA	Painted
	58-99	WW-3	6/4/1999	□10	NA	Painted
	59-99	WW-4	6/4/1999	□10	NA	Painted
	102-99	WW-5	6/28/1999	□10	□1.0	Painted
	103-99	WW-6	6/28/1999	□10	NA	Painted
North Wall	670	NWALL-W1	12/18/1997	NA	□1.0	Painted
	671	NWALL-W2	12/18/1997	NA	□1.0	Painted
	42-99	NW-1	6/4/1999	□10	NA	Painted
	53-99	NW-2	6/4/1999	□10	NA	Painted
	54-99	NW-3	6/4/1999	□10	NA	Painted
	43-99	NW-4	6/4/1999	□10	NA	Painted
	55-99	NW-5	6/4/1999	□10	1.4	Painted
	56-99	NW-6	6/4/1999	□10	NA	Painted
	100-99	NW-7	6/28/1999	□10	NA	Painted
	101-99	NW-8	6/28/1999	□10	NA	Painted
South Wall	672	SWALL-W1	12/18/1997	NA	□1.0	Painted
	673	SWALL-W2	12/18/1997	NA	1.3	Painted
	60-99	SW-1	6/4/1999	□10	NA	Painted
	61-99	SW-2	6/4/1999	□10	NA	Painted
	62-99	SW-3	6/4/1999	□10	NA	Painted
	39-99	SW-4	6/4/1999	□10	NA	Painted
	63-99	SW-5	6/4/1999	□10	NA	Painted
	40-99	SW-6	6/4/1999	□10	NA	Painted
	105-99	SW-7	6/28/1999	□10	NA	Painted
	104-99	SW-8	6/28/1999	□10	NA	Painted

TABLE 7

FIELD SCREENING AND LABORATORY PCB ANALYSES
FOR BUILDING WIPE SAMPLES
BUILDING DECOMMISSIONING/SOIL REMEDIATION
GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Area	Log #	Sample ID	Date	PCB Analytical Results (µg/100cm^2)		Status
				Test Kit	Lab	
Johnson Heater	36-99	JH-1	6/3/1999	□10	NA	Released
	106-99	JH-2	6/28/1999	□10	NA	Released
	107-99	JH-3	6/28/1999	□10	NA	Released
	110-99	JH-4	6/28/1999	□10	□1.0	Released
	108-99	JH-5	6/28/1999	□10	NA	Released
	109-99	JH-6	6/28/1999	□10	NA	Released
North Crane	369	N. CRANE-W1	7/22/1997	□10	NA	Released
	28-99	NC-1	6/1/1999	10-100	NA	Cleaned and Resampled NC-2
	34-99	NC-2	6/3/1999	□10	NA	Released
South Crane	29-99	SC-1	6/1/1999	10-100	NA	Cleaned and Resampled SC-2
	35-99	SC-2	6/3/1999	□10	NA	Released
Pipe	637	PIPE #1-WIPE1	9/8/1997	□10	NA	Released
	638	PIPE #2-WIPE1	9/8/1997	□10	NA	Released
	639	PIPE #3-WIPE 1	9/8/1997	□10	NA	Released

Notes: Sampling locations for main floor areas documented to be clean are found on Figure 5.
Wall, ceiling, equipment, mezzanine, and boiler/compressor room sample locations are not shown on the figure.
Field screening was conducted with immunoassay test kits (Strategic Diagnostics, Inc.)
Laboratory analysis was performed using EPA Method 8080.
Field screening results fall within the concentration ranges indicated.
Cleanup standard for PCBs on exposed surfaces is 10 µg/100 cm^2.
Cleanup standard for PCBs on surfaces that will be subsequently encapsulated is 100 µg/100 cm^2.
Painted surfaces (interior walls) were cleaned in 1997 and encapsulated with at least one coat of white commercial grade paint in July 1999.
Released surfaces met the cleanup standard and were left in place.
Removed items were properly disposed off-site.
NA □Not Analyzed.

TABLE 8

LABORATORY PCB ANALYSES
FOR BULK SAMPLES OF BUILDING FLOOR, SUBFLOOR, AND WALL

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Log #	Sample ID	Date	Depth (inches)	PCB Concentration (mg/kg)	Status
529	SUBFLOOR-BULK1	8/19/1997	0	11,000	Removed
530	SUBFLOOR-BULK2	8/19/1997	0	30	Removed
531	E.WALLB-BULK1	8/19/1997	0	0.49	Painted
551	SUBFLOOR-BULK3	8/27/1997	0.25	12	Removed
552	SUBFLOOR-BULK4	8/27/1997	0.25	36	Removed
553	SUBFLOOR-BULK5	8/27/1997	0.25	150	Removed
554	SUBFLOOR-BULK6	8/27/1997	0.25	1.3	Removed
555	CONFLOOR-BULK1	8/27/1997	0.25	7.4	Removed
556	CONFLOOR-BULK2	8/27/1997	0.25	21	Removed
608	CORE 1 A	9/4/1997	0 - 0.1	21	Removed
597	CORE 1 B	9/4/1997	0.1 - 0.3	14	Removed
609	CORE 2 A	9/4/1997	0 - 0.1	12	Removed
598	CORE 2 B	9/4/1997	0.1 - 0.3	9.9	Removed
610	CORE 3 A TOP	9/4/1997	0 - 0.1	1,000	Removed
599	CORE 3 B TOP	9/4/1997	0.1 - 0.3	200	Removed
611	CORE 3 A BOTTOM	9/4/1997	0 - 0.1	9	Removed
600	CORE 3 B BOTTOM	9/4/1997	0.1 - 0.3	3.5	Removed
612	CORE 4 A	9/4/1997	0 - 0.1	300	Removed
601	CORE 4 B	9/4/1997	0.1 - 0.3	6	Removed
613	CORE 5 A	9/4/1997	0 - 0.1	11	Removed
602	CORE 5 B	9/4/1997	0.1 - 0.3	12	Removed
614	CORE 6 A	9/4/1997	0 - 0.1	0.85	Removed
603	CORE 6 B	9/4/1997	0.1 - 0.3	370	Removed
615	CORE 7 A	9/4/1997	0 - 0.1	2,810	Removed
604	CORE 7 B	9/4/1997	0.1 - 0.3	1,610	Removed
616	CORE 8 A	9/4/1997	0 - 0.1	9.1	Removed
605	CORE 8 B	9/4/1997	0.1 - 0.3	1.3	Removed
617	CORE 9 A	9/4/1997	0 - 0.1	1.6	Removed
606	CORE 9 B	9/4/1997	0.1 - 0.3	0.78	Removed
618	CORE 10 A	9/4/1997	0 - 0.1	2.3	Removed
607	CORE 10 B	9/4/1997	0.1 - 0.3	2.3	Removed

TABLE 8

LABORATORY PCB ANALYSES
FOR BULK SAMPLES OF BUILDING FLOOR, SUBFLOOR, AND WALL

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Log #	Sample ID	Date	Depth (inches)	PCB Concentration (mg/kg)	Status
1-99	F-1	5/26/1999	0 - 3	1.4	Removed
2-99	F-2	5/26/1999	0 - 3	26.5	Removed
3-99	F-3	5/26/1999	0 - 3	34.5	Removed
4-99	F-4	5/26/1999	0 - 3	82	Removed
5-99	F-5	5/26/1999	0 - 3	90	Removed
6-99	F-8	5/26/1999	0 - 3	32	Removed
7-99	F-9	5/26/1999	0 - 3	2.2	Removed
8-99	F-10	5/26/1999	0 - 3	88	Removed
9-99	F-11	5/26/1999	0 - 3	94	Removed
10-99	F-12	5/26/1999	0 - 3	3,000	Removed
11-99	F-13	5/26/1999	0 - 3	64	Removed
12-99	F-15	5/26/1999	0 - 3	13	Removed
13-99	F-16	5/26/1999	0 - 3	13	Removed
14-99	F-17	5/26/1999	0 - 3	21	Removed
15-99	F-18	5/26/1999	0 - 3	2.8	Removed
16-99	F-19	5/26/1999	0 - 3	33	Removed
17-99	F-20	5/26/1999	0 - 3	46	Removed
18-99	F-21	5/26/1999	0 - 3	2	Removed
19-99	F-22	5/26/1999	0 - 3	83	Removed
20-99	F-23	5/26/1999	0 - 3	10	Removed
21-99	F-24	5/26/1999	0 - 3	100	Removed
22-99	F-25	5/26/1999	0 - 3	9.2	Removed
23-99	F-27	5/26/1999	0 - 3	25	Removed
24-99	F-28	5/26/1999	0 - 3	8.8	Removed

Note: Subfloor and core sample locations are shown on Figure 5.
Wall sample location is not shown on figures.
All samples analyzed by EPA Method 8080.
Depth measured from surface of concrete floor or subfloor.
Cleanup standard for PCBs in concrete chip samples is 50 mg/kg.

TABLE 9

FIELD SCREENING AND LABORATORY PCB ANALYSES
FOR SAMPLES OF SOIL BENEATH BUILDING

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Log #	Sample ID	Date	Depth (ft)	Reference Surface	PCB Analytical Results (mg/kg)		Status
					Test Kit	Lab	
588	CORE1 SS-1 (SS-237)	9/4/1997	0	Ground Surface beneath Floor	1-10	NA	Remains
622	C/B-1-6.75' (SS-249)	9/5/1997	6.75	Floor	□1	NA	Remains
589	CORE3 SS-1 (SS-238)	9/4/1997	0	Ground Surface beneath Floor	1-10	NA	Remains
621	C/B-3-7.5' (SS-248)	9/5/1997	7.5	Floor	□1	NA	Remains
590	CORE4 SS-1 (SS-239)	9/4/1997	0	Ground Surface beneath Floor	□1	NA	Remains
623	C/B-4-9' (SS-250)	9/5/1997	9	Floor	□1	NA	Remains
591	CORE5 SS-1 (SS-240)	9/4/1997	0	Ground Surface beneath Floor	□1	NA	Remains
626	C/B-5-6.5'-7' (SS-253)	9/5/1997	6.5-7.0	Floor	□1	NA	Remains
627	C/B-5-7.5' (SS-254)	9/5/1997	7.5	Floor	□1	NA	Remains
592	CORE6 SS-1 (SS-241)	9/4/1997	0	Ground Surface beneath Floor	□1	NA	Remains
628	C/B-6-5' (SS-255)	9/5/1997	5	Floor	□1	NA	Remains
593	CORE7 SS-1 (SS-242)	9/4/1997	0	Ground Surface beneath Floor	10-50	NA	Resampled SS-16
619	C/B-7-3' (SS-246)	9/5/1997	3	Floor	□1	NA	Remains
620	C/B-7 6.5' (SS-247)	9/5/1997	6.5	Floor	□1	NA	Remains
594	CORE8 SS-1 (SS-243)	9/4/1997	0	Ground Surface beneath Floor	1	NA	Remains
631	C/B-8-7' (SS-258)	9/5/1997	7	Floor	□1	NA	Remains
595	CORE9 SS-1 (SS-244)	9/4/1997	0	Ground Surface beneath Floor	□1	NA	Remains
629	C/B-9:8' (SS-256)	9/5/1997	8	Floor	□1	NA	Remains
596	CORE10 SS-1 (SS-245)	9/4/1997	0	Ground Surface beneath Floor	□1	NA	Remains
630	C/B-10-7' (SS-257)	9/5/1997	7	Floor	□1	NA	Remains
624	B-11-1' (SS-251)	9/5/1997	1	Floor	□1	NA	Remains
625	B-11-7' (SS-252)	9/5/1997	7	Floor	□1	NA	Remains
632	B-12-0.5' (SS-259)	9/5/1997	0.5	Floor	□1	NA	Remains
633	B-12:7.0' (SS-260)	9/5/1997	7	Floor	□1	NA	Remains
634	B-13:0.5' (SS-261)	9/5/1997	0.5	Floor	□50[a]	NA	Resampled SS-17
635	B-13:6.5' (SS-262)	9/5/1997	6.5	Floor	□1	NA	Remains
636	B-14:2.5-4.0' (SS-263)	9/5/1997	2.5-4.0	Floor	□1	NA	Remains
86-99	SS-1	6/23/1999	0	Top of Subgrade	□10	NA	Removed
112-99	SS-1A	6/29/1999	1	Top of Subgrade	□10	NA	Remains

TABLE 9

FIELD SCREENING AND LABORATORY PCB ANALYSES
FOR SAMPLES OF SOIL BENEATH BUILDING

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Log #	Sample ID	Date	Depth (ft)	Reference Surface	PCB Analytical Results (mg/kg)		Status
					Test Kit	Lab	
87-99	SS-2	6/23/1999	0	Top of Subgrade	□10	NA	Remains
88-99	SS-3	6/23/1999	0	Top of Subgrade	□10	NA	Remains
89-99	SS-4	6/23/1999	0	Top of Subgrade	□10	NA	Remains
90-99	SS-5	6/23/1999	0	Top of Subgrade	□10	NA	Removed
94-99	SS-5A	6/23/1999	1	Top of Subgrade	□10	NA	Remains
91-99	SS-6	6/23/1999	0	Top of Subgrade	□10	□0.46	Remains
92-99	SS-7	6/23/1999	0	Top of Subgrade	□10	NA	Remains
93-99	SS-8	6/23/1999	0	Top of Subgrade	□10	NA	Remains
95-99	SS-9	6/23/1999	0	Top of Subgrade	□10	NA	Remains
96-99	SS-10	6/23/1999	0	Top of Subgrade	□10	NA	Remains
97-99	SS-11	6/23/1999	0	Top of Subgrade	□10	NA	Remains
113-99	SS-12	6/29/1999	0	Top of Subgrade	□10	□0.44	Remains
119-99	SS-12A	7/23/1999	0	Top of Subgrade	NA	□0.45	Remains
114-99	SS-13	6/29/1999	0	Top of Subgrade	□10	NA	Remains
115-99	SS-14	6/29/1999	0	Top of Subgrade	□10	NA	Remains
116-99	SS-15	6/29/1999	0	Top of Subgrade	□10	NA	Remains
117-99	SS-16	7/16/1999	0	Top of Subgrade	NA	□0.46	Remains
118-99	SS-17	7/16/1999	0	Top of Subgrade	NA	□0.45	Remains

Notes: Sample locations are shown on Figures 5 and 6.
Field screening was conducted with immunoassay test kits (Strategic Diagnostics, Inc.).
Laboratory analysis was performed using EPA Method 8080.
Field screening results fall within the concentration ranges indicated.
Cleanup standard for soils at depths greater than one foot is 10 mg/kg.
NA □Not analyzed.

Resampled □Samples SS-242 and SS-261 appeared to exceed the cleanup standard in September 1997.
GE sampled these two locations again in July 1999. PCBs were not detected in the two samples
(SS-16 and SS-17), indicating that the soil remaining beneath the floor complied with the cleanup standard.

[a]Cloudy sample extraction may have produced erroneous results.

TABLE 10

FIELD SCREENING AND LABORATORY PCB ANALYSES
FOR EXCAVATED SOIL FROM AREA 1 USED AS ON SITE FILL

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Log #	Sample ID	Date	Comments	PCB Concentration (mg/kg)	
				Field Screening	Laboratory
167	SP-1:S-1 (SP-A)	5/31/1997	Soil	5-10	2.3
168	SP-1:S-2 (SP-A)	5/31/1997	Soil	5-10	NA
169	SP-1:S-3 (SP-A)	5/31/1997	Soil	5-10	NA
170	SP-2:S-1 (SP-B)	5/31/1997	Soil	1-5	□0.54
171	SP-2:S-2 (SP-B)	5/31/1997	Soil	□1	NA
172	SP-2:S-3 (SP-B)	5/31/1997	Soil	1-5	NA

Notes: Field screening was conducted with immunoassay test kits (Strategic Diagnostics, Inc.).
Laboratory analysis was performed using EPA Method 8080.
Field screening results fall within the concentration ranges indicated.

Cleanup standard for PCBs in soil is 1 mg/kg for soils at depths of one foot or less and 10 mg/kg for soils at depths greater than one foot.
NA □Not Analyzed.
Samples collected from soil piles.
Soils from piles were used to backfill the base of the excavation in the former tank pit area (shown on Figure 10) with NYSDEC permission after review of analytical results.

TABLE 11

FIELD SCREENING AND LABORATORY PCB ANALYSES
FOR AREA 1 SOIL SAMPLES

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Log #	Sample ID	Date	Comments	Depth (ft)	PCB Concentration (mg/kg)		Status
					Field Screening	Laboratory	
194	SS-8 (0-6")	6/4/1997	Soil sample in northwest area of site 0-6 inches bgs.	0-0.5	10-50	NA	Removed and resampled SS-88
195	SS-9 (0-6")	6/4/1997	Soil sample in northwest area of site 0-6 inches bgs.	0-0.5	□50	NA	Removed and resampled SS-109
196	SS-10 (0-6")	6/4/1997	Soil sample in northwest area of site 0-6 inches bgs.	0-0.5	□50	68	Removed and resampled SS-108
197	SS-11 (0-6")	6/4/1997	Soil sample in northwest area of site 0-6 inches bgs.	0-0.5	□1	NA	Remains
198	SS-12 (0-6")	6/4/1997	Soil sample in northwest area of site 0-6 inches bgs.	0-0.5	10-50	NA	Removed and resampled SS-64
199	SS-13 (0-6")	6/4/1997	Soil sample in northwest area of site 0-6 inches bgs.	0-0.5	□1	NA	Removed and resampled SS-69
200	SS-14 (0-6")	6/4/1997	Soil sample in northwest area of site 0-6 inches bgs.	0-0.5	1-5	NA	Removed and resampled SS-69
201	SS-15 (0-6")	6/4/1997	Soil sample in northwest area of site 0-6 inches bgs.	0-0.5	10-50	NA	Removed and resampled SS-67
202	SS-16 (0-6")	6/4/1997	Soil sample in northwest area of site 0-6 inches bgs.	0-0.5	□1	NA	Removed and resampled SS-77
203	SS-17 (0-6")	6/4/1997	Soil sample in northwest area of site 0-6 inches bgs.	0-0.5	□1	NA	Removed and resampled SS-28
204	SS-18 (0-6")	6/4/1997	Soil sample in northwest area of site 0-6 inches bgs.	0-0.5	□1	NA	Removed and resampled SS-29
205	SS-19 (0-6")	6/4/1997	Soil sample in northwest area of site 0-6 inches bgs.	0-0.5	□1	□480	Removed and resampled SS-27
266	SS-22	6/23/1997	Sample of soil in northwest corner of site near fence (rubble/debris), after test pit was backfilled.	0	5-25	3.9	Removed and resampled SS-28
267	SS-23	6/23/1997	Sample of soil in northwest corner of site near fence (debris) after test pit was backfilled.	0	5-25	24	Removed and resampled SS-28
272	SS-24	6/24/1997	Soil sample from between fence and retaining wall on French Street (first of 3 samples) (surface soil).	0	□1	NA	Remains
273	SS-25	6/24/1997	Soil sample between fence and retaining wall along French Street (second of 3 samples) (surface soil).	0	□1	□0.57	Remains
274	SS-26	6/24/1997	Soil sample of area between retaining wall and fence along French Street (third of 3 samples) (Surface soil).	0	□1	□0.52	Remains
275	SS-27	6/26/1997	Sample from slope in northwest corner after debris removal (surface soil).	1-2	□1	NA	Remains
276	SS-28	6/26/1997	Sample from slope in northwest corner after debris removal (surface soil).	1-2	□1	□0.48	Remains
277	SS-29	6/26/1997	Sample of slope in northwest corner after debris removal (surface soil).	1-2	1-5	NA	Remains
333	SS-61	7/12/1997	Surface sample, northwest corner.	0	□10	NA	Removed and resampled SS-77
334	SS-62	7/12/1997	Surface sample, northwest corner.	0	1-5	NA	Removed and resampled SS-66

TABLE 11

FIELD SCREENING AND LABORATORY PCB ANALYSES FOR AREA 1 SOIL SAMPLES

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Log #	Sample ID	Date	Comments	Depth (ft)	PCB Concentration (mg/kg)		Status
					Field Screening	Laboratory	
335	SS-63	7/12/1997	Surface sample, northwest corner.	0	□10	NA	Removed and resampled SS-66
336	SS-64	7/12/1997	Surface sample, northwest corner.	0	1-5	NA	Removed and resampled SS-65
337	SS-65	7/15/1997	Soil sample of northwest area following excavation.	1	1-5	NA	Removed and resampled SS-78
338	SS-66	7/15/1997	Sample of soil following first cut in northwest area.	1	1-5	NA	Removed and resampled SS-69
339	SS-67	7/15/1997	Soil sample following first cut in northwest area.	1	1-5	NA	Removed and resampled SS-70
340	SS-68	7/15/1997	Soil sample following first cut in northwest area.	1	1-5	NA	Removed and resampled SS-71
341	SS-69	7/15/1997	Soil sample of northwest area, additional 6" cut below sample SS-66.	1.5	□1	NA	Remains
342	SS-70	7/15/1997	Soil sample of additional 6" cut below SS-67 in northwest area.	1.5	□1	NA	Remains
343	SS-71	7/15/1997	Sample of bottom of 12" in northwest area, black soil with occasional wood block.	1	1-5	□0.5	Remains
351	SS-77	7/17/1997	Soil sample beneath 1' excavation in northwest corner.	1	□1	NA	Remains
352	SS-78	7/17/1997	Soil sample at bottom of 1' cut in northwest corner.	1	□1	□0.44	Remains
353	SS-79	7/17/1997	Soil sample at bottom of 1' cut in northwest corner.	1	□50	84	Removed and resampled SS-94
367	SS-84	7/22/1997	Sample after 1' cut in northwest area.	1	□50	12	Removed and resampled SS-97
368	SS-85	7/22/1997	Sample after 1' cut in northwest area.	1	10-50	NA	Removed and resampled SS-96
371	SS-87	7/23/1997	Soil beneath 1' cut in northwest corner.	1	□50	NA	Removed and resampled SS-97
372	SS-88	7/23/1997	Soil from bottom of 1' cut along west fence in northwest area.	1	□10	NA	Remains
373	SS-89	7/23/1997	Soil along fence (west side) in northwest corner.	1	□10	NA	Remains
374	SS-90	7/23/1997	Soil from bottom of 1' cut in northwest area.	1	□50	NA	Removed and resampled SS-93
377	SS-93	7/24/1997	Sample of soil below TSCA soil removed in northwest corner.	2	10-50	NA	Removed and resampled SS-139
378	SS-94	7/24/1997	Sample of soil below excavated TSCA soil in northwest area.	2	□1	NA	Remains
379	SS-95	7/24/1997	Sample of soil below excavated TSCA soil in northwest corner.	2	□1	NA	Remains
380	SS-96	7/24/1997	Sample of black soil in northwest area.	2	10-50	NA	Removed and resampled SS-159
381	SS-97	7/24/1997	Sample of black soil in northwest area.	2	10-50	NA	Removed and resampled SS-158
382	SS-98	7/25/1997	Northwest area, sample of soil east of concrete pad-2" below grade-slag material.	0.2	10-50	NA	Removed and resampled SS-139
383	SS-99	7/25/1997	Northwest area, sample of soil east of concrete pad-2" below grade-slag material.	0.2	10-50	18	Removed and resampled SS-138
386	SS-100	7/25/1997	Soil sample from soil staging pile in NW corner.	NA	NA	11	Pile removed and disposed off-site
387	SS-101	7/25/1997	Soil sample from soil staging pile in NW corner.	NA	NA	35	Pile removed and disposed off-site

TABLE 11

FIELD SCREENING AND LABORATORY PCB ANALYSES
FOR AREA 1 SOIL SAMPLES

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Log #	Sample ID	Date	Comments	Depth (ft)	PCB Concentration (mg/kg)		Status
					Field Screening	Laboratory	
388	SS-102	7/25/1997	Soil sample from soil in NW corner.	0-2	NA	39	Pile removed and disposed off-site
389	SS-103	7/28/1997	Waste characterization-soil in northwest corner.	0-2	NA	26	Removed and resampled SS-158
390	SS-104	7/28/1997	Waste characterization-soil in northwest corner.	0-2	NA	28	Removed and resampled SS-159
391	SS-105	7/28/1997	Soil from base of concrete footer.	0-1	10-50	NA	Removed and resampled SS-108
392	SS-106	7/28/1997	Soil from base of concrete foot.	0-1	□1	NA	Remains
393	SS-107	7/28/1997	Sample from beneath concrete slab and stone fill.	1	10-50	49	Removed and resampled SS-124
396	SS-108	7/29/1997	Sample along east side of concrete pad.	1	1-10	NA	Remains
397	SS-109	7/29/1997	Sample along west side of concrete pad.	1	10-50	5.8	Remains
412	SS-124	7/31/1997	Sample beneath 1' excavation below concrete pad in northwest area.	2	1-10	NA	Remains
442	SS-138	8/4/1997	Sample of black stained soil beneath piers in northwest corner (□3-5' bgs).	3-5	0	NA	Remains
443	SS-139	8/4/1997	Sample of black stained soil beneath concrete pier in northwest corner (□3-5' bgs).	3-5	□10	NA	Remains
465	SS-158	8/8/1997	Soil from 4.5' bgs, northwest corner over excavation (PID: 462 ppm).	4.5	1-10	NA	Remains
466	SS-159	8/8/1997	Sample from 6.5' bgs in northwest corner over excavation area (PID: 10.1 ppm).	5.5	1-10	NA	Remains
467	SS-160	8/8/1997	Sample from south wall of west end of northwest corner, 3' bgs (PID: 17.5 ppm).	3	10-50	NA	Removed and resampled SS-206
469	SS-162	8/8/1997	Sample of soil west of former concrete pad in the northwest area (PID: 816 ppm).	1	1-10	NA	Remains
483	SS-167	8/9/1997	Test pit sample at 2.5' depth south of northwest corner of VOC area. Fill and debris to 2' with VOC odor (sampled gray clay below fill).	2.5	□1	NA	Removed and resampled SS-201
484	SS-168	8/9/1997	Test pit soil from 2.5' bgs, south of northwest corner of VOC area. 1' of fill and debris sampled clay below.	2.5	□1	NA	Removed and resampled SS-200
485	SS-169	8/9/1997	Test pit sample of soil at 2.5', south of northwest corner of VOC area. Fill/debris to 2.5', sampled clay below.	2.5	□10	NA	Removed and resampled SS-202
532	SS-199	8/22/1997	Sample of west wall of continued excavation of VOC area in northwest corner (PID □1,020 ppm).	2-3	1-10	NA	Removed and resampled SS-204
533	SS-200	8/22/1997	Sample of south wall, continued excavation of VOC area in northwest corner (PID □64 ppm).	2-3	10-50	NA	Removed and resampled SS-209

TABLE 11

FIELD SCREENING AND LABORATORY PCB ANALYSES
FOR AREA 1 SOIL SAMPLES

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Log #	Sample ID	Date	Comments	Depth (ft)	PCB Concentration (mg/kg)		Status
					Field Screening	Laboratory	
534	SS-201	8/22/1997	Sample of bottom (2.5' bgs) in continued excavation of northwest corner, VOC area (PID □36.4 ppm).	2.5	10-50	NA	Removed and resampled SS-205
535	SS-202	8/22/1997	Sample of bottom (2.5' bgs) of continued excavation of northwest corner, VOC area (PID □15.0 ppm).	2.5	□1	NA	Remains
537	SS-204	8/22/1997	Sample of north side of continued excavation of VOC area, northwest corner (PID □0.0 ppm).	2-3	□1	NA	Remains
538	SS-205	8/22/1997	Sample of bottom (2' bgs) of continued excavation of VOC area, northwest corner (PID □25 ppm).	2	1-10	NA	Remains
539	SS-206	8/22/1997	Sample of bottom (3' bgs) of continued excavation of VOC area, northwest corner (PID □10 ppm).	3	□1	NA	Remains
540	SS-207	8/22/1997	Sample of south wall at 2' bgs, VOC area, northwest corner.	2	□10	NA	Remains
541	SS-208	8/26/1997	Sample of south wall, VOC area, 2' bgs (PID □0.0 ppm).	2	□10	□0.47	Remains
542	SS-209	8/26/1997	Sample of bottom of VOC area (PID □49 ppm).	2	□10	NA	Remains
543	SS-210	8/26/1997	Sample of bottom 1/2 of east wall, VOC area (PID □3 ppm).	2	□10	NA	Remains
544	SS-211	8/26/1997	Sample of top 1/2 of east wall (PID □43 ppm).	1	□10	□0.51	Remains

Notes: Sample locations that document remedial objectives were achieved are shown on Figure 8. Soils represented by samples that failed to meet the remedial objectives were removed via additional excavation, thus those sample locations are not shown on the figure.
Field screening was conducted with immunoassay test kits (Strategic Diagnostics, Inc.)
Laboratory analysis was performed using EPA Method 8080.
Field screening results fall within the concentration ranges indicated.
Cleanup standard for PCBs in soil is 1 mg/kg for soils at depths of one foot or less and 10 mg/kg for soils at depths greater than one foot.
NA □Not Analyzed.

TABLE 12

FIELD SCREENING AND LABORATORY PCB ANALYSES
FOR CONFIRMATORY SOIL SAMPLES LEFT IN PLACE IN AREA 1

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Log #	Sample ID	Date	Comments	Depth (ft)	PCB Concentration (mg/kg)	
					Field Screening	Laboratory
197	SS-11 (0-6")	6/4/1997	Soil sample in northwest area of site 0-6 inches bgs.	0-0.5	□1	NA
272	SS-24	6/24/1997	Soil sample from between fence and retaining wall on French Street (first of 3 samples) (surface soil).	0	□1	NA
273	SS-25	6/24/1997	Soil sample between fence and retaining wall along French Street (second of 3 samples) (surface soil).	0	□1	□0.57
274	SS-26	6/24/1997	Soil sample of area between retaining wall and fence along French Street (third of 3 samples) (Surface soil).	0	□1	□0.52
275	SS-27	6/26/1997	Sample from slope in northwest corner after debris removal (surface soil).	1-2	□1	NA
276	SS-28	6/26/1997	Sample from slope in northwest corner after debris removal (surface soil).	1-2	□1	□0.48
277	SS-29	6/26/1997	Sample of slope in northwest corner after debris removal (surface soil).	1-2	1-5	NA
341	SS-69	7/15/1997	Soil sample of northwest area, additional 6" cut below sample SS-66.	1.5	□1	NA
342	SS-70	7/15/1997	Soil sample of additional 6" cut below SS-67 in northwest area.	1.5	□1	NA
343	SS-71	7/15/1997	Sample of bottom of 12" in northwest area, black soil with occasional wood block.	1	1-5	□0.5
351	SS-77	7/17/1997	Soil sample beneath 1' excavation in northwest corner.	1	□1	NA
352	SS-78	7/17/1997	Soil sample at bottom of 1' cut in northwest corner.	1	□1	□0.44
372	SS-88	7/23/1997	Soil from bottom of 1' cut along west fence in northwest area.	1	□10	NA
373	SS-89	7/23/1997	Soil along fence (west side) in northwest corner.	1	□10	NA
378	SS-94	7/24/1997	Sample of soil below excavated TSCA soil in northwest area.	2	□1	NA
379	SS-95	7/24/1997	Sample of soil below excavated TSCA soil in northwest corner.	2	□1	NA
392	SS-106	7/28/1997	Soil from base of concrete foot.	1	□1	NA
396	SS-108	7/29/1997	Sample along west side of concrete pad.	1	1-10	NA
397	SS-109	7/29/1997	Sample along west side of concrete pad.	1	10-50	5.8
412	SS-124	7/31/1997	Sample beneath 1' excavation below concrete pad in northwest area.	2	1-10	NA
442	SS-138	8/4/1997	Sample of blank stained soil beneath piers in northwest corner (□3-5' bgs).	3-5	0	NA
443	SS-139	8/4/1997	Sample of black stained soil beneath concrete pier in northwest corner (□3-5' bgs).	3-5	□10	NA
465	SS-158	8/8/1997	Soil from 4.5' bgs, northwest corner over excavation (PID: 462 ppm).	4.5	1-10	NA

TABLE 12

FIELD SCREENING AND LABORATORY PCB ANALYSES
FOR CONFIRMATORY SOIL SAMPLES LEFT IN PLACE IN AREA 1

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Log #	Sample ID	Date	Comments	Depth (ft)	PCB Concentration (mg/kg)	
					Field Screening	Laboratory
466	SS-159	8/8/1997	Sample from 6.5' bgs in northwest corner over excavation area (PID: 10.1 ppm).	5.5	1-10	NA
469	SS-162	8/8/1997	Sample of soil west of former concrete pad in the northwest area (PID: 816 ppm).	1	1-10	NA
535	SS-202	8/22/1997	Sample of bottom (2.5' bgs) of continued excavation of northwest corner, VOC area (PID 15.0 ppm).	2.5	1	NA
537	SS-204	8/22/1997	Sample of north side of continued excavation of VOC area, northwest corner (PID 0.0 ppm).	2-3	1	NA
538	SS-205	8/22/1997	Sample of bottom (2' bgs) of continued excavation of VOC area, northwest corner (PID 25 ppm).	2	1-10	NA
539	SS-206	8/22/1997	Sample of bottom (3' bgs) of continued excavation of VOC area, northwest corner (PID 10 ppm).	3	1	NA
540	SS-207	8/22/1997	Sample of south wall at 2' bgs, VOC area, northwest corner.	2	10	NA
541	SS-208	8/26/1997	Sample of south wall, VOC area, 2' bgs (PID 0.0 ppm).	2	10	0.47
542	SS-209	8/26/1997	Sample of bottom of VOC area (PID 49 ppm).	2	10	NA
543	SS-210	8/26/1997	Sample of bottom 1/2 of east wall, VOC area (PID 3 ppm).	2	10	NA
544	SS-211	8/26/1997	Sample of top 1/2 of east wall (PID 43 ppm).	1	10	0.51

Notes: Sample locations are shown on Figure 8.
Field screening was conducted with immunoassay test kits (Strategic Diagnostics, Inc.).
Laboratory analysis was performed using EPA Method 8080.
Field screening results fall within the concentration ranges indicated.
Cleanup standard for PCBs in soil is 1 mg/kg for soils at depths of one foot or less and 10 mg/kg for soils at depths greater than one foot.

TABLE 13

TCLP ANALYSES FOR WASTE CHARACTERIZATION

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Compound	Log No./Sample ID/Date/Depth (ft)/Former Location					
	45 SS-2 5/16/1997 0 Area 2 Removed	389 SS-103 7/28/1997 0-2 Area 1 Removed	390 SS-104 7/28/1997 0-2 Area 1 Removed	476 SUMP SLUDGE 8/9/1997 NA Area 3 Removed	498 SUMP-WATER 8/11/1997 NA Area 3 Removed	506 PERCHED WATER 8/13/1997 0-2 Area 3 Removed
VOCs						
Benzene	□50	□50	□50	□50	□50	□50
2-Butanone	□100	□100	□100	100	100	□100
Carbon tetrachloride	□50	□50	□50	□50	□50	□50
Chlorobenzene	□50	□50	□50	□50	□50	□50
Chloroform	□50	□50	□50	□50	□50	□50
1,2-Dichloroethane	□50	□50	□50	□50	**820**	280
1,1-Dichloroethene	□50	□50	□50	□50	□50	□50
Tetrachloroethene	□50	□50	□50	□50	□50	□50
Trichloroethene	□50	□50	□50	59	360	350
Vinyl chloride	□50	□50	□50	□50	□50	□50
SVOCs						
1,4-Dichlorobenzene	□50	□50	□50	□50	60	□50
2,4-Dinitrotoluene	□50	□50	□50	□50	□50	□50
Hexachlorobenzene	□50	□50	□50	□50	□50	□50
Hexachlorobutadiene	□50	□50	□50	□50	□50	□50
Hexachloroethane	□50	□50	□50	□50	□50	□50
2-Methylphenol	□100	□100	□100	140	650	100
3-, 4-Methylphenol	□100	□100	□100	140	480	□100
Nitrobenzene	□50	□50	□50	□50	□50	□50
Pentachlorophenol	□200	□200	□200	□200	□200	□200
Pyridine	□100	□100	□100	□100	□100	□100
2,4,6-Trichlorophenol	□100	□100	□100	□100	□100	□100
2,4,5-Trichlorophenol	□100	□100	□100	□100	□100	□100
Extractable Organics						
gamma-BHC (Lindane)	□5.0	□5.0	□5.0	□5.0	□5.0	□5.0
Chlordane	□20	□20	□20	□20	□20	□20
Endrin	□5.0	□5.0	□5.0	□5.0	□5.0	□5.0
Heptachlor	□5.0	□5.0	□5.0	□5.0	□5.0	□5.0
Heptachlor epoxide	□5.0	□5.0	□5.0	□5.0	□5.0	□5.0
Methoxychlor	□20	□20	□20	□20	□20	□20
Toxaphene	□100	□100	□100	□100	□100	□100
2,4-D	□50	□50	□50	□5.0	□5.0	□5.0
2,4,5-TP (Silvex)	□50	□50	□50	□5.0	□5.0	□5.0
Metals						
Arsenic	□500	□500	□500	□500	□500	□500
Barium	□1,000	1,650	1,410	□1,000	1,160	□1,000
Cadmium	□100	□100	□100	□100	□100	□100
Chromium	□100	□100	□100	□100	□100	□100
Lead	1,270	701	2,820	□100	□100	□100
Mercury	□3.00	□3.00	□3.00	□3.00	□3.00	□3.00
Selenium	□500	□500	□500	□500	□500	□500
Silver	□100	□100	□100	□100	□100	□100

Notes: Units are μg/L.
Samples SS-2, SS-103, and SS-104 are shown on Figure 9. The sump location and area where perched water was encountered are shown on Figure 3.
All samples were analyzed by EPA Methods 8260 (VOCs), 8270 (SVOCs), 8080 and 8150 (Extractable Organics).
Numbers in bold are concentrations that were detected above EPA RCRA Toxicity Characteristic regulatory levels.
NA □Not analyzed.

TABLE 14

TARGET COMPOUND LIST VOC ANALYSIS FOR SOIL
LEFT IN PLACE
AREA 1

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Compound	Log No./Sample ID/Date/Depth (ft)/Status
	475 SS-165 8/9/1997 5 Remains
Acetone	□0.024
Benzene	□0.0060
Bromodichloromethane	□0.0060
Bromoform	□0.0060
Bromomethane	□0.0060
2-Butanone	□0.012
Carbon disulfide	□0.012
Carbon tetrachloride	□0.0060
Chlorobenzene	□0.0060
Chloroethane	□0.0060
Chloroform	□0.0060
Chloromethane	□0.0060
Dibromochloromethane	□0.0060
1,1-Dichloroethane	□0.0060
1,2-Dichloroethane	□0.0060
1,1-Dichloroethene	□0.0060
cis-1,2-Dichloroethene	□0.0060
trans-1,2-Dichloroethene	□0.0060
1,2-Dichloropropane	□0.0060
cis-1,3-Dichloropropene	□0.0060
trans-1,3-Dichloropropene	□0.0060
Ethylbenzene	□0.0060
2-Hexanone	□0.012
Methylene chloride	□0.0060
4-Methyl-2-pentanone	□0.012
Styrene	□0.0060
1,1,2,2-Tetrachloroethane	□0.0060
Tetrachloroethene	□0.0060
Toluene	□0.0060
1,1,1-Trichloroethane	□0.0060
1,1,2-Trichloroethane	□0.0060
Trichloroethene	□0.0060
Vinyl Chloride	□0.0060
o-Xylene	□0.0060
m-, p-Xylene	□0.0060

Note: Concentrations are in mg/kg.
Sample locations shown on Figure 9.
Sample was analyzed by EPA Method 8260.

TABLE 15

FIELD SCREENING AND LABORATORY PCB ANALYSES
FOR AREA 2 SOIL SAMPLES

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Log #	Sample ID	Date	Comments	Depth (ft)	PCB Concentration (mg/kg)		Status
					Field Screening	Laboratory	
44	SS-1	5/16/1997	Soil sample for waste characterization. Area will be excavated.	0	> 250	9,500	Removed and resampled SS-21
45	SS-2	5/16/1997	Soil sample for waste characterization. Area will be excavated.	0	> 250	12,000	Removed and resampled SS-20
46	SS-3	5/16/1997	Soil sample for waste characterization. Area will be excavated.	0	> 250	2,900	Removed and resampled SS-20
250	SS-20	6/10/1997	Surface soil sample on south side of building.	0	> 50	NA	Removed and resampled SS-31
251	SS-21	6/10/1997	Surface soil sample south side of building.	0	> 50	NA	Removed and resampled SS-38
280	SS-30 (A1)	6/28/1997	Soil sample of bottom of 1' cut south of building (1 of 1 sample for this area [A]).	1	1-5	NA	Remains
281	SS-31 (B1)	6/30/1997	Soil sample at 2' for area of 4' cut (Area B) to determine soil segregation.	2	1-5	NA	Removed and resampled SS-38
282	SS-32 (B2)	6/30/1997	Soil sample along south wall of Area B (2' depth on wall) to determine excavation boundaries.	2	5-10	NA	Removed and resampled SS-32
283	SS-33 (B3)	6/30/1997	Sample from bottom of 4' cut in Area B (10' from wall, 8' from east cut line).	4	10-50	NA	Removed and resampled SS-38
284	SS-34 (B4)	6/30/1997	Sample of bottom of 4' cut area in Area B (20' from wall, 10' from east cut line).	4	> 50	NA	Removed and resampled SS-39
285	SS-35 (B5)	6/30/1997	Sample from 2' down on south wall of Area B, 4' total cut (about 10' from east cut line).	2	< 1	NA	Remains
286	SS-36 (B6)	6/30/1997	Surface soil sample from under south fence in Area B (~10' from east cut line).	0	5-10	NA	Removed and resampled SS-40
287	SS-37 (B7)	6/30/1997	Soil sample from area between east cut line and old natural gas pipe (2' depth) in Area B.	2	10-50	NA	Removed and resampled SS-52
288	SS-38 (B8)	7/1/1997	Sample from 1' below SS-31.	3	1-5	NA	Remains
289	SS-39 (B9)	7/1/1997	Sample from 1' below SS-32.	3	10-50	3.0	Removed and resampled SS-49
290	SS-40 (B10)	7/1/1997	Sample of floor adjacent to south wall, 4' bgs.	4	< 1	NA	Remains
291	SS-41	7/1/1997	Surface sample, outside fence.	0	1-5	NA	Removed and resampled SS-184
292	SS-42	7/1/1997	Surface sample, outside fence.	0	1-5	NA	Removed and resampled SS-185
293	SS-43	7/1/1997	Surface soil sample outside site fence, along Urban Street.	0	1-5	NA	Removed and resampled SS-186
294	SS-44	7/1/1997	Surface sample outside of fence along Urban Street.	0	1-5	< 0.53	Removed and resampled SS-187
295	SS-45	7/1/1997	Surface soil sample outside of fence along Urban Street.	0	1-5	NA	Removed and resampled SS-188

TABLE 15

FIELD SCREENING AND LABORATORY PCB ANALYSES
FOR AREA 2 SOIL SAMPLES

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Log #	Sample ID	Date	Comments	Depth (ft)	PCB Concentration (mg/kg)		Status
					Field Screening	Laboratory	
296	SS-46	7/1/1997	Soil sample from surface along outside of fence along Urban Street.	0	10-50	1.7	Removed and resampled SS-189
297	SS-47	7/1/1997	Surface sample outside of fence along Urban Street.	0	5-10	NA	Removed and resampled SS-73
298	SS-48 (B11)	7/2/1997	Sample of former tank pit (suspected) sidewall south, approximately 8' bgs.	8	NA	< 0.45	Remains
299	SS-49 (B12)	7/2/1997	Sample from suspected former tank pit bottom after excavation, approximately 10' bgs.	10	NA	< 0.40	Remains
300	SS-50 (B13)	7/2/1997	Sample from Area B ~ 6' bgs.	6	1-5	3.2	Remains
306	SS-51 (B14)	7/3/1997	Soil sample of fuel oil contaminated soil in area, analyzed for PCB concentration in order to properly segregate.	0	< 5	NA	Pile removed and disposed off-site
307	SS-52 (B15)	7/3/1997	Sample of soil on east wall of former tank pit excavation.	1-12	10-50	< 0.45	Remains
309	SS-54 (B17)	7/7/1997	Sample from tank pit bottom below large slab after removal of slab and ~8" of soil.	15	< 5	NA	Remains
310	SS-55 (B18)	7/7/1997	Sample from north wall of tank pit.	4-15	NA	< 0.45	Remains
311	SS-56 (B19)	7/8/1997	Sample from west wall of deep tank pit, Area B.	1-15	NA	< 0.46	Remains
325	SS-57 (D1)	7/9/1997	Sample at 1' bgs (Area D), sample on the interface between "coal dust" and clay near loading dock edge.	1	1-5	NA	Remains
344	SS-72	7/16/1997	Surface sample of soil between sidewalk and Urban Street.	0	1-5	0.42	Remains
345	SS-73	7/16/1997	Surface sample of soil between south fence and sidewalk, across from vent pipe.	0	1-5	NA	Removed and resampled SS-190
346	SS-74	7/16/1997	Surface sample of soil between south fence and sidewalk.	0	1-5	1.0	Removed and resampled SS-198
347	SS-75	7/16/1997	Soil sample of soil between south fence and sidewalk, at beginning of retaining wall.	0	1-5	NA	Removed and resampled SS-191
350	SS-76 (E1)	7/16/1997	Soil sample from base of building footer-product present in soil-in area of 8' cut (Area E).	8	NA	3.3	Remains
354	SS-80 (F1)	7/17/1997	Soil sample from half way of 6' cut, south of building for soil segregation purposes.	3	> 50	12	Removed and resampled SS-114
355	SS-81 (G1)	7/17/1997	Soil sample at 2' depth of 4' cut south of south loading dock (Area G) for soil segregation purposes.	2	< 1	NA	Remains
365	SS-82 (E2)	7/22/1997	Sample from base of building wall in Area E (3.5' depth) after removal of stained soil. PID = 121 ppm (soil headspace).	3.5	NA	< 0.52	Remains
366	SS-83 (D2)	7/22/1997	Sample beneath removed VCP drain tile in Area D.	2	< 10	NA	Remains

TABLE 15

FIELD SCREENING AND LABORATORY PCB ANALYSES
FOR AREA 2 SOIL SAMPLES

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Log #	Sample ID	Date	Comments	Depth (ft)	PCB Concentration (mg/kg)		Status
					Field Screening	Laboratory	
399	SS-111 (E3)	7/29/1997	Sample from south slope under geotextile in Area E.	8	< 1	NA	Remains
400	SS-112 (E4)	7/29/1997	Sample from bottom of pit in Area E.	8	< 1	NA	Remains
401	SS-113 (E5)	7/29/1997	Sample from east wall of 8' cut-Area E.	8	1-10	NA	Remains
402	SS-114 (F2)	7/29/1997	Sample from bottom of excavation ~5' deep.	5	< 1	< 0.48	Remains
403	SS-115 (G2)	7/29/1997	Sample from bottom of excavation ~2-1/2' deep.	2.5	< 1	NA	Remains
404	SS-116 (G3)	7/29/1997	Sample from bottom of excavation ~2' deep.	2	1-10	4.8	Remains
405	SS-117 (F3)	7/29/1997	Sample at bottom of excavation ~3' bgs, Area F.	3	< 10	< 0..5	Remains
406	SS-118 (E6)	7/29/1997	Sample at 3' bgs in Area E (soil segregation purposes). Solvent odor: PID = 600 ppm.	3	10-50	NA	Removed and resampled SS-141
407	SS-119 (G4)	7/30/1997	Sample at 2' bgs in Area G.	2	< 10	NA	Remains
408	SS-120 (F4)	7/30/1997	Sample at 2' bgs in Area F.	2	10-50	NA	Removed and resampled SS-121
409	SS-121 (F5)	7/30/1997	Sample from 3' bgs in Area F (south of building).	3	< 10	< 0.500	Remains
441	SS-137 (E7)	8/4/1997	Sample of soil, Section E, soil to be left in place along building foundation (140 ppm headspace).	0	NA	< 0.49	Remains
444	SS-140 (E8)	8/5/1997	Sample of soil ~4.5' depth in Area E. PID: 140 ppm (headspace).	4.5	> 50	150	Removed and resampled SS-143
445	SS-141 (E9)	8/5/1997	Sample of soil ~5.5' depth in Area E. PID: 8 ppm (headspace).	5.5	> 50	NA	Removed and resampled SS-143
446	SS-142 (E10)	8/5/1997	Sample from 6.5' depth in Area E. PID: 46 ppm (headspace).	6.5	> 50	NA	Removed and resampled SS-144
447	SS-143 (E11)	8/5/1997	Sample from bottom of the 8' cut in Area E.	8	< 10	NA	Remains
448	SS-144 (E12)	8/5/1997	Sample from south wall of 8' cut in Area E.	8	< 10	NA	Remains
449	SS-145 (E13)	8/6/1997	Sample from 4' bgs in Area E, south of loading dock.	4	10-50	NA	Removed and resampled SS-146
450	SS-146 (E14)	8/6/1997	Sample from 6' bgs in Area E, south of loading dock.	6	< 10	< 0.48	Remains
451	SS-147 (E15)	8/6/1997	Sample along 2:1 slope on north wall of Area E.	6	NA	9.6	Remains
511	SS-183	8/14/1997	Sample of surface soil south of facility fence on Urban Street.	0.5	1-10	NA	Removed and resampled SS-192
512	SS-184	8/14/1997	Sample of soil after 6" cut south of south fence.	0.5	1-10	NA	Removed and resampled SS-193
513	SS-185	8/14/1997	Sample of soil following 6" cut south of south fence.	0.5	1-10	NA	Removed and resampled SS-194

TABLE 15

FIELD SCREENING AND LABORATORY PCB ANALYSES
FOR AREA 2 SOIL SAMPLES

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Log #	Sample ID	Date	Comments	Depth (ft)	PCB Concentration (mg/kg)		Status
					Field Screening	Laboratory	
514	SS-186	8/14/1997	Sample of soil after removal of 6" cut south of south fence.	0.5	1-10	NA	Removed and resampled SS-195
515	SS-187	8/14/1997	Sample of soil after removal of 6" cut south of south fence.	0.5	1-10	NA	Removed and resampled SS-196
516	SS-188	8/14/1997	Sample of soil after removal of 6" cut south of south fence.	0.5	1-10	NA	Removed and resampled SS-197
517	SS-189	8/14/1997	Sample of soil following 6" cut south of south fence.	0.5	< 1	NA	Removed and resampled SS-197
518	SS-190	8/14/1997	Sample of soil following removal of 6" of soil south of south fence.	0.5	1-10	NA	Removed and resampled SS-198
519	SS-191	8/14/1997	Surface sample of soil south of south fence.	0	< 1	NA	Remains
520	SS-192	8/14/1997	Sample after removing 12", along Urban Street.	1	1	NA	Remains
521	SS-193	8/14/1997	Sample after removing 12", south of fence.	1	< 1	NA	Remains
522	SS-194	8/14/1997	Sample after removing 12", south of fence.	1	1-10	NA	Remains
523	SS-195	8/14/1997	Sample after removing 12", south of fence.	1	1-10	NA	Remains
524	SS-196	8/14/1997	Soil from 12" cut, south of fence.	1	< 1	NA	Remains
525	SS-197	8/14/1997	Soil from 12" cut, south of fence.	1	< 1	NA	Remains
526	SS-198	8/14/1997	Sample after removing 12" south of fence.	1	< 1	NA	Remains

Notes: Sample locations that document remedial objectives were achieved are shown on Figure 10. Soils represented by samples that failed to meet the remedial objectives were removed via additional excavation, thus those sample locations are not shown on the figure.

Field screening was conducted with immunoassay test kits (Strategic Diagnostics, Inc.)
Laboratory analysis was performed using EPA Method 8080.
Field screening results fall within the concentration ranges indicated.

Cleanup standard for PCBs in soil is 1 mg/kg for soils at depths of one foot or less and 10 mg/kg for soils at depths greater than one foot.
NA = Not Analyzed.

TABLE 16

FIELD SCREENING AND LABORATORY PCB ANALYSES
FOR SAMPLES OF SOIL LEFT IN PLACE IN AREA 2

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Log #	Sample ID	Date	Comments	Depth (ft)	PCB Concentration (mg/kg)	
					Field Screening	Laboratory
280	SS-30 (A1)	6/28/1997	Soil sample of bottom of 1' cut south of building .	1	1-5	NA
285	SS-35 (B5)	6/30/1997	Sample from 2' down on south wall, 4' total cut (about 10' from east cut line).	2	< 1	NA
288	SS-38 (B8)	7/1/1997	Sample from 1' below SS-31.	3	1-5	NA
290	SS-40 (B10)	7/1/1997	Sample of floor adjacent to south wall, 4' bgs.	4	< 1	NA
298	SS-48 (B11)	7/2/1997	Sample of former tank pit (suspected) sidewall south, approximately 8' bgs.	8	NA	< 0.45
299	SS-49 (B12)	7/2/1997	Sample from suspected former tank pit bottom after excavation, approximately 10' bgs.	10	NA	< 0.40
300	SS-50 (B13)	7/2/1997	Sample ~ 6' bgs.	6	1-5	3.2
307	SS-52 (B15)	7/3/1997	Sample of soil on east wall of former tank pit excavation.	1-12	10-50	< 0.45
309	SS-54 (B17)	7/7/1997	Sample from tank pit bottom below large slab after removal of slab and ~8" of soil.	15	< 5	NA
310	SS-55 (B18)	7/7/1997	Sample from north wall of tank pit.	1-15	NA	< 0.45
311	SS-56 (B19)	7/8/1997	Sample from west wall of deep tank pit.	1-15	NA	< 0.46
325	SS-57 (D1)	7/9/1997	Sample at 1' bgs, sample on the interface between "coal dust" and clay near loading dock edge.	1	1-5	NA
344	SS-72	7/16/1997	Surface sample of soil between sidewalk and Urban Street.	0	1-5	0.42
350	SS-76 (E1)	7/16/1997	Soil sample from base of building footer-product present in soil-in area of 8' cut.	8	NA	3.3
355	SS-81 (G1)	7/17/1997	Soil sample at 2' depth of 4' cut south of south loading dock for soil segregation purposes.	2	< 1	NA
365	SS-82 (E2)	7/22/1997	Sample from base of wall (3.5' depth) after removal of stained soil. PID = 121 ppm (soil headspace).	3.5	NA	< 0.52
366	SS-83 (D2)	7/22/1997	Sample beneath removed VCP drain tile.	2	< 10	NA
399	SS-111 (E3)	7/29/1997	Sample from south slope under geotextile.	8	< 1	NA
400	SS-112 (E4)	7/29/1997	Sample from bottom of pit in.	8	< 1	NA
401	SS-113 (E5)	7/29/1997	Sample from east wall of 8' cut.	8	1-10	NA
402	SS-114 (F2)	7/29/1997	Sample from bottom of excavation ~5' deep.	5	< 1	< 0.48
403	SS-115 (G2)	7/29/1997	Sample from bottom of excavation ~2-1/2' deep.	2.5	< 1	NA
404	SS-116 (G3)	7/29/1997	Sample from bottom of excavation ~2' deep.	2	1-10	4.8
405	SS-117 (F3)	7/29/1997	Sample at bottom of excavation ~3' bgs.	3	< 10	< 0.5
407	SS-119 (G4)	7/30/1997	Sample at 2' bgs.	2	< 10	NA
409	SS-121 (F5)	7/30/1997	Sample from 3' bgs (south of building).	3	< 10	< 0.500
441	SS-137 (E7)	8/4/1997	Sample of soil, soil to be left in place along building foundation (140 ppm headspace).	0	NA	< 0.49
447	SS-143 (E11)	8/5/1997	Sample from bottom of the 8' cut.	8	< 10	NA
448	SS-144 (E12)	8/5/1997	Sample from south wall of 8' cut.	8	< 10	NA
450	SS-146 (E14)	8/6/1997	Sample from 6' bgs, south of loading dock.	6	< 10	< 0.48
451	SS-147 (E15)	8/6/1997	Sample along 2:1 slope on north wall.	6	NA	9.6
519	SS-191	8/14/1997	Surface sample of soil south of south fence.	0	< 1	NA

TABLE 16

FIELD SCREENING AND LABORATORY PCB ANALYSES
FOR SAMPLES OF SOIL LEFT IN PLACE IN AREA 2

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Log #	Sample ID	Date	Comments	Depth (ft)	PCB Concentration (mg/kg)	
					Field Screening	Laboratory
520	SS-192	8/14/1997	Sample after removing 12", along Urban Street.	1	1	NA
521	SS-193	8/14/1997	Sample after removing 12", south of fence.	1	< 1	NA
522	SS-194	8/14/1997	Sample after removing 12", south of fence.	1	1-10	NA
523	SS-195	8/14/1997	Sample after removing 12", south of fence.	1	1-10	NA
524	SS-196	8/14/1997	Soil from 12" cut, south of fence.	1	< 1	NA
525	SS-197	8/14/1997	Soil from 12" cut, south of fence.	1	< 1	NA
526	SS-198	8/14/1997	Sample after removing 12" south of fence.	1	< 1	NA

Notes: Sample locations are shown on Figure 10.
Field screening was conducted with immunoassay test kits (Strategic Diagnostics, Inc.)
Laboratory analysis was performed using EPA Method 8080.
Field screening results fall within the concentration ranges indicated.
Cleanup standard for PCBs in soil is 1 mg/kg for soils at depths of one foot or less and 10 mg/kg for soils at depths greater than one foot.
NA = Not Analyzed.

TABLE 17

TCLP ANALYSES FOR SOIL SAMPLES COLLECTED FROM APPARENT FORMER UST EXCAVATION IN AREA 2

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Compound	Log No./Sample ID/Date/Depth (ft)/Status					
	298 SS-48 (B11) 7/2/1997 8 Remains	299 SS-49 (B12) 7/2/1997 10 Remains	307 SS-52 (B15) 7/3/1997 1-12 Remains	309 SS-54 (B17) 7/7/1997 15 Remains	310 SS-55 (B18) 7/7/1997 1-15 Remains	311 SS-56 (B19) 7/8/1997 1-15 Remains
STARS VOCs						
Benzene	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70	< 0.70
sec-Butylbenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
tert-Butylbenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
n-Butylbenzene	**1.2**	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Methyl-tert-butylether	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Ethylbenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Isopropylbenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
p-Isopropyltoluene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Naphthalene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
n-Propylbenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Toluene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,2,4-Trimethylbenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
1,3,5-Trimethylbenzene	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
o-Xylene	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
m-, p-Xylene	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0	< 2.0
STARS SVOCs						
Acenaphthene	< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 5.0
Anthracene	< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 5.0
Benzo(a)anthracene	< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 5.0
Benzo(a)pyrene	< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 5.0
Benzo(b)fluoranthene	< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 5.0
Benzo(g,h,i)perylene	< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 5.0
Benzo(k)fluoranthene	< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 5.0
Indeno(1,2,3-cd)pyrene	< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 5.0
Chrysene	< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 5.0
Dibenzo(a,h)anthracene	< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 5.0
Fluoranthene	< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 5.0
Fluorene	< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 5.0
Naphthalene	**26**	< 5.0	< 5.0	< 5.0	< 50	< 5.0
Phenanthrene	< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 5.0
Pyrene	< 5.0	< 5.0	< 5.0	< 5.0	< 50	< 5.0

Notes: Units are µg/L.

Sample locations are shown on Figure 9.

All samples were analyzed by EPA Methods 8021 (VOCs) and 8270 (SVOCs).

Numbers in bold are concentrations that were detected above method detection limits.

TABLE 18

VOC ANALYSES FOR SOIL LEFT IN PLACE
APPARENT FORMER UST EXCAVATION IN AREA 2

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Compound	Log No./Sample ID/Date/Depth (ft)			
	308 SS-53 (B16) 7/7/1997 1-12	330 SS-58 (B20) 7/11/1997 1-12	331 SS-59 (B21) 7/11/1997 1-15	332 SS-60 (B22) 7/11/1997 1-15
Acetone	< 2.9	< 0.023	< 0.023	< 0.023
Benzene	< 0.72	< 0.0058	< 0.0057	< 0.0057
Bromodichloromethane	< 0.72	< 0.0058	< 0.0057	< 0.0057
Bromoform	< 0.72	< 0.0058	< 0.0057	< 0.0057
Bromomethane	< 0.72	< 0.0058	< 0.0057	< 0.0057
2-Butanone	< 1.4	< 0.012	< 0.011	< 0.011
Carbon disulfide	< 1.4	< 0.012	< 0.011	< 0.011
Carbon tetrachloride	< 0.72	< 0.0058	< 0.0057	< 0.0057
Chlorobenzene	**3.9**	< 0.0058	< 0.0057	< 0.0057
Chloroethane	< 0.72	< 0.0058	< 0.0057	< 0.0057
Chloroform	< 0.72	< 0.0058	< 0.0057	< 0.0057
Chloromethane	< 0.72	< 0.0058	< 0.0057	< 0.0057
Dibromochloromethane	< 0.72	< 0.0058	< 0.0057	< 0.0057
1,1-Dichloroethane	< 0.72	**0.0099**	< 0.0057	**0.010**
1,2-Dichloroethane	< 0.72	< 0.0058	< 0.0057	< 0.0057
1,1-Dichloroethene	< 0.72	< 0.0058	< 0.0057	< 0.0057
cis-1,2-Dichloroethene	< 0.72	< 0.0058	< 0.0057	< 0.0057
trans-1,2-Dichloroethene	< 0.72	< 0.0058	< 0.0057	< 0.0057
1,2-Dichloropropane	< 0.72	< 0.0058	< 0.0057	< 0.0057
cis-1,3-Dichloropropene	< 0.72	< 0.0058	< 0.0057	< 0.0057
trans-1,3-Dichloropropene	< 0.72	< 0.0058	< 0.0057	< 0.0057
Ethylbenzene	< 0.72	< 0.0058	< 0.0057	< 0.0057
2-Hexanone	< 1.4	< 0.012	< 0.011	< 0.011
Methylene chloride	< 0.72	< 0.0058	< 0.0057	< 0.0057
4-Methyl-2-pentanone	< 1.4	< 0.012	< 0.011	< 0.011
Styrene	< 0.72	< 0.0058	< 0.0057	< 0.0057
1,1,2,2-Tetrachloroethane	< 0.72	< 0.0058	< 0.0057	< 0.0057
Tetrachloroethene	< 0.72	< 0.0058	< 0.0057	< 0.0057
Toluene	< 0.72	< 0.0058	< 0.0057	< 0.0057
1,1,1-Trichloroethane	< 0.72	< 0.0058	< 0.0057	< 0.0057
1,1,2-Trichloroethane	< 0.72	< 0.0058	< 0.0057	< 0.0057
Trichloroethene	< 0.72	< 0.0058	< 0.0057	< 0.0057
Vinyl Chloride	< 0.72	< 0.0058	< 0.0057	< 0.0057
o-Xylene	< 0.72	< 0.0058	< 0.0057	< 0.0057
m-, p-Xylene	< 0.72	< 0.0058	< 0.0057	< 0.0057

Notes: Units are mg/kg dry weight.
Sample locations are shown on Figure 9.
All samples were analyzed by EPA Method 8260.
Numbers in bold are concentrations that were detected above method detection limits.

TABLE 19

TPH ANALYSIS FOR SOIL LEFT IN PLACE
APPARENT FORMER UST EXCAVATION IN AREA 2

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Compound	Log No./Sample ID/Date/Depth (ft)
	307 **SS-52 (B15)** **7/3/1997** **1-12**
TPH	< 2.3
Fuel Oil #2/Diesel Fuel	< 11
Gasoline	< 11
Kerosene	< 11
Lube Oil	< 11

Notes: Units are mg/kg.
Sample location shown on Figure 9.
Sample was analyzed by NYSDOH Method 310.13.
Total petroleum hydrocarbons are reported as n-dodecane.

TABLE 20

VOC AND SVOC ANALYSES FOR SOIL
LEFT IN PLACE NEAR BUILDING FOUNDATION IN AREA 2

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Compound	Log No./Sample ID/Date/Depth (ft)/Status		
	350 SS-76 (E1) 7/16/1997 8 Remains	**365 SS-82 (E2) 7/22/1997 3.5 Remains**	**450 SS-146 (E14) 8/6/1997 6 Remains**
TCL VOCs			
Acetone	< 18	< 3.2	< 0.024
Benzene	< 4.5	< 0.81	< 0.0060
Bromodichloromethane	< 4.5	< 0.81	< 0.0060
Bromoform	< 4.5	< 0.81	< 0.0060
Bromomethane	< 4.5	< 0.81	< 0.0060
2-Butanone	< 9.0	< 1.6	< 0.012
Carbon disulfide	< 9.0	< 1.6	< 0.012
Carbon tetrachloride	< 4.5	< 0.81	< 0.0060
Chlorobenzene	< 4.5	< 0.81	< 0.0060
Chloroethane	< 4.5	< 0.81	< 0.0060
Chloroform	< 4.5	< 0.81	< 0.0060
Chloromethane	< 4.5	< 0.81	< 0.0060
Dibromochloromethane	< 4.5	< 0.81	< 0.0060
1,1-Dichloroethane	**20**	**10**	< 0.0060
1,2-Dichloroethane	< 4.5	< 0.81	< 0.0060
1,1-Dichloroethene	< 4.5	**1.4**	< 0.0060
cis-1,2-Dichloroethene	< 4.5	< 0.81	< 0.0060
trans-1,2-Dichloroethene	< 4.5	< 0.81	< 0.0060
1,2-Dichloropropane	< 4.5	< 0.81	< 0.0060
cis-1,3-Dichloropropene	< 4.5	< 0.81	< 0.0060
trans-1,3-Dichloropropene	< 4.5	< 0.81	< 0.0060
Ethylbenzene	**7.2**	< 0.81	< 0.0060
2-Hexanone	< 9.0	< 1.6	< 0.012
Methylene chloride	< 4.5	< 0.81	< 0.0060
4-Methyl-2-pentanone	< 9.0	< 1.6	< 0.012
Styrene	< 4.5	< 0.81	< 0.0060
1,1,2,2-Tetrachloroethane	< 4.5	< 0.81	< 0.0060
Tetrachloroethene	< 4.5	< 0.81	< 0.0060
Toluene	**33**	**0.94**	< 0.0060
1,1,1-Trichloroethane	**1,200**	**80**	< 0.0060
1,1,2-Trichloroethane	< 4.5	< 0.81	< 0.0060
Trichloroethene	< 4.5	< 0.81	< 0.0060
Vinyl Chloride	< 4.5	< 0.81	< 0.0060
o-Xylene	**21**	< 0.81	< 0.0060
m-, p-Xylene	**8.9**	< 0.81	< 0.0060

TABLE 20

VOC AND SVOC ANALYSES FOR SOIL
LEFT IN PLACE NEAR BUILDING FOUNDATION IN AREA 2

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Compound	Log No./Sample ID/Date/Depth (ft)/Status		
	350 **SS-76 (E1)** **7/16/1997** **8** **Remains**	**365** **SS-82 (E2)** **7/22/1997** **3.5** **Remains**	**450** **SS-146 (E14)** **8/6/1997** **6** **Remains**
STARS SVOCs			
Acenaphthene	< 4.7	NA	NA
Anthracene	< 4.7	NA	NA
Benzo(a)anthracene	< 4.7	NA	NA
Benzo(a)pyrene	< 4.7	NA	NA
Benzo(b)fluoranthene	< 4.7	NA	NA
Benzo(g,h,i)perylene	< 4.7	NA	NA
Benzo(k)fluoranthene	< 4.7	NA	NA
Indeno(1,2,3-cd)pyrene	< 4.7	NA	NA
Chrysene	< 4.7	NA	NA
Dibenzo(a,h)anthracene	< 4.7	NA	NA
Fluoranthene	< 4.7	NA	NA
Fluorene	< 4.7	NA	NA
Naphthalene	**3.2**	NA	NA
Phenanthrene	< 4.7	NA	NA
Pyrene	< 4.7	NA	NA

Notes: Units are mg/kg dry weight.
Sample locations are shown on Figure 9.
All samples were analyzed by EPA Methods 8260 (VOCs) and 8270 (SVOCs).
Numbers in bold are concentrations detected above method detection limits.
NA = Not Analyzed.

TABLE 21

TCLP VOC ANALYSIS FOR SOIL LEFT IN PLACE
AREA 2 NEAR BUILDING FOUNDATION

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Compound	Log No./Sample ID/Date/Depth (ft)
	441 **SS-137 (E7)** **8/4/1997** **0**
Benzene	< 50
2-Butanone	< 100
Carbon tetrachloride	< 50
Chlorobenzene	< 50
Chloroform	< 50
1,2-Dichloroethane	< 50
1,1-Dichloroethene	< 50
Tetrachloroethene	< 50
Trichloroethene	< 50
Vinyl chloride	< 50

Notes:
Units are µg/L.
Sample location is shown on Figure 9.
Sample was analyzed by EPA Method 8260.

TABLE 22

FIELD SCREENING AND LABORATORY PCB ANALYSES
FOR AREA 3 SOIL SAMPLES

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Log #	Sample ID	Date	Comments	Depth (ft)	PCB Concentration (mg/kg)		Status
					Field Screening	Laboratory	
173	SS-4 (6")	5/31/1997	Soil sample from 6" depth (in tar and gravel surface).	0.5	5-10	NA	Removed and resampled SS-125
174	SS-4 (12")	5/31/1997	Soil sample from SS-4 12" bgs (in clay matrix).	1	10-50	NA	Removed and resampled SS-125
175	SS-5 (12")	5/31/1997	Soil sample SS-5 from 12" bgs.	1	□1	NA	Removed to 1' as required by Project Plan
176	SS-6 (12")	5/31/1997	Soil sample SS-6 from 12" bgs.	1	□1	NA	Removed to 1' as required by Project Plan
177	SS-7 (12")	5/31/1997	Soil sample SS-7 from 12" bgs.	1	□50	93	Removed and resampled SS-156
398	SS-110	7/29/1997	Soil sample from bottom 6" cut, west end.	0.5	□1	NA	Remains
410	SS-122 (H1)	7/31/1997	Sample of sand fill around tank pit.	1-12	□10	NA	Removed and resampled SS-154
411	SS-123 (H2)	7/31/1997	Sample of sand fill around fuel oil UST.	1-12	□10	NA	Removed and resampled SS-154
415	SS-124-A	7/31/1997	Sample of black soil in west end (6" deep).	0.5	□10	NA	Removed and resampled SS-134
416	SS-125	7/31/1997	Sample of black soil in west end (6" deep).	0.5	□50	100	Removed and resampled SS-133
417	SS-126 (H3)	7/31/1997	Sample of black soil on north side of tank pit.	0	□50	300	Removed and resampled SS-150
428	SS-127	8/1/1997	Sample of soil at 6" cut, west of building.	0.5	□1	NA	Remains
429	SS-128	8/1/1997	Sample of soil at bottom of 6"-8" cut (area of former rail spur), west of building.	0.5	□1	NA	Remains
430	SS-129	8/1/1997	Sample of soil beneath 6" cut, west of building.	0.5	1-10	NA	Removed and resampled SS-135
431	SS-130	8/1/1997	Sample of soil beneath 6" to 8" cut (in area of former rail spur).	0.5	□1	NA	Remains
432	SS-131	8/1/1997	Sample at bottom of 6" cut, west of building.	0.5	1-10	NA	Removed and resampled SS-136
433	SS-132	8/1/1997	Sample at bottom of 6" cut, west of building.	0.5	10-50	NA	Removed and resampled SS-214
434	SS-133	8/1/1997	Black soil in west end, under pavement (18" thick layer of black soil).	1.5	10-50	NA	Removed and resampled SS-166
435	SS-134	8/1/1997	Black soil beneath pavement, west end of site.	1.5	10-50	NA	Removed and resampled SS-166
436	SS-135	8/1/1997	Sample from west end recut 40' x 40' additional 4" (10" total).	0.8	□1	NA	Remains
437	SS-136	8/1/1997	Sample from west end, bottom of 6" cut.	0.5	□1	NA	Remains
452	SS-148 (H4)	8/6/1997	Sample of south wall of UST pit.	1-12	□1	NA	Remains
453	SS-149	8/6/1997	Sample at 1' cut in area around UST pit.	1	1-10	NA	Remains
454	SS-150 (H5)	8/6/1997	Sample from 5' bgs, north wall of UST pit (PID: ND).	5	□10	NA	Remains
455	SS-151 (H6)	8/6/1997	Soil from 5' depth, south wall of UST pit (PID: ND).	5	□10	NA	Remains
456	SS-152 (H7)	8/6/1997	Soil sample from 6' down, east wall of UST pit (PID: ND).	6	□10	NA	Remains
457	SS-153 (H8)	8/6/1997	Soil along west side of UST pit after removing additional 2 feet due to petroleum odors (PID: 200 ppm).	1-12	□50	NA	Removed and resampled SS-157
458	SS-154 (H9)	8/6/1997	Sample from bottom of UST pit (PID: ND).	12	□10	NA	Remains
462	SS-155 (E16)	8/7/1997	Sample of north wall of Area E (black soil), 2' from grade.	2	□10	NA	Remains

TABLE 22

FIELD SCREENING AND LABORATORY PCB ANALYSES
FOR AREA 3 SOIL SAMPLES

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Log #	Sample ID	Date	Comments	Depth (ft)	PCB Concentration (mg/kg)		Status
					Field Screening	Laboratory	
463	SS-156 (E17)	8/7/1997	Sample from 4' bgs in Area E.	4	□10	NA	Remains
464	SS-157 (H10)	8/7/1997	Sample from west wall of UST pit after removing □8' (□6' bgs) (PID: 8 ppm).	6	□10	NA	Remains
468	SS-161 (H11)	8/8/1997	Sample from west end of UST pit, 3' over excavation 9 feet below grade (PID: 10.2 ppm).	9	□1	NA	Remains
470	SS-163 (H12)	8/8/1997	Soil from bottom of UST pit, west end, over excavation area (PID: 90 ppm).	12	□1	NA	Remains
471	SS-164	8/8/1997	Sample of black railroad bed material west of building for segregation purposes.	0	10-50	NA	Removed and resampled SS-177
476	SUMP SLUDGE	8/9/1997	Sludge from sump cleaning, sump outside building.	-	NA	330	Removed and resampled SS-220
482	SS-166	8/9/1997	Sample from 2' bgs in area of 6' cut, west of building.	2	□1	NA	Remains
495	SS-170	8/11/1997	Sample of 6" cut on west end of property.	0.5	□1	NA	Remains
496	SS-171	8/11/1997	Sample of 6" cut west of the building.	0.5	1-10	NA	Removed and resampled SS-173
497	SS-172	8/11/1997	Sample at 2' bgs in area of 6' cut.	2	NA	□0.48	Remains
499	SS-173	8/11/1997	Sample at 12" below grade at area west of building 1□10 ppm at 6".	1	□1	NA	Remains
500	SS-174	8/11/1997	Sample of 6" cut (to be used as fill).	0.5	10-50	NA	Removed - Not to be used as fill
501	SS-175	8/11/1997	Sample of clay at base of stone fill and pipe.	2	□50	NA	Removed and resampled SS-219
502	SS-176	8/11/1997	Sample of oil stained silt and stone at 2' bgs.	2	50	NA	Removed and resampled SS-220
503	SS-177	8/11/1997	Sample from bottom of railroad bed (removed).	0-2	□1	NA	Remains
504	SS-178	8/11/1997	Sample from bottom of railroad bed (removed).	0-2	□1	NA	Remains
507	SS-179	8/13/1997	Sample of gravel with oil stained sediment, west of building.	0-2	NA	1,000	Removed and resampled SS-221
508	SS-180	8/13/1997	Sample of clay beneath railroad spur west of the building.	0-2	□1	NA	Remains
509	SS-181	8/13/1997	Sample of railroad bedding material, north edge of bed excavation.	2	1-10	NA	Remains
510	SS-182	8/13/1997	Sample of railroad bedding material at surface.	0	10-50	NA	Removed and resampled SS-203
536	SS-203	8/22/1997	Sample of bottom of 6' cut west of building.	2	□1	NA	Remains
557	SS-212	8/27/1997	Soil sample west of building.	0.5	□1	NA	Remains
558	SS-213	8/27/1997	Soil sample from 6' cut area, bottom of cut.	2	□1	NA	Remains
559	SS-214	8/27/1997	Soil sample from 6' cut area, west wall.	2	□1	NA	Remains
560	SS-215	8/27/1997	Soil sample from 6' cut area, north wall.	2	□1	NA	Remains
561	SS-216	8/27/1997	Soil sample from 6' cut area, east wall.	2	□1	NA	Remains
562	SS-217	8/27/1997	Soil sample from temporary sump after water was removed.	4	□1	NA	Remains
563	SS-218	8/27/1997	Soil sample west of building.	0	1-10	NA	Removed and resampled SS-233
564	SS-219	8/27/1997	Soil sample from north wall of sump pit, east end of railroad bed sump, (PID □2,200 ppm).	1-4	□10	NA	Remains
565	SS-220	8/27/1997	Soil sample from bottom of sump pit, east end of sump pit (PID □420 ppm).	1-4	□10	NA	Remains
566	SS-221	8/28/1997	Sample from base of bottom of rail spur drain line excavation.	2	□10	NA	Remains
567	SS-222	8/28/1997	Sample of south wall of rail spur drain pipe excavation.	1-2	□10	NA	Remains

TABLE 22

FIELD SCREENING AND LABORATORY PCB ANALYSES
FOR AREA 3 SOIL SAMPLES

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Log #	Sample ID	Date	Comments	Depth (ft)	PCB Concentration (mg/kg)		Status
					Field Screening	Laboratory	
568	SS-223	8/29/1997	Sample of north wall of rail spur drain pipe excavation.	1-2	□10	NA	Remains
571	SS-224	8/28/1997	Sample from 6" cut area, "pavement to be removed", west end.	0.5	□10	NA	Removed and resampled SS-226
572	SS-225	8/28/1997	Sample of blackest soil from 2.5' bgs in 10' cut area west of the building.	2.5	□10	NA	Removed and resampled SS-228
574	SS-226	8/28/1997	Sample of west end cut, 18" bgs.	1.5	□1	NA	Remains
575	SS-227	8/28/1997	Sample of bottom 6" cut, west end.	0.5	10-50	NA	Removed and resampled SS-230
576	SS-228	8/29/1997	Sample from bottom (4.5') in "10' cut" area, west end.	4.5	□10	2.3	Remains
577	SS-229	8/29/1997	North wall of "10' cut" area □2.5' bgs.	2.5	□10	NA	Remains
578	SS-230	8/29/1997	East wall of "10' cut area", 2' bgs.	2	□10	NA	Remains
579	SS-231	8/29/1997	Sample of south wall of "10' cut area", 2.5' bgs.	2.5	□1	NA	Remains
580	SS-232	8/29/1997	Sample at 1' bgs, gray sandy clay below removed black clay.	1	□10	NA	Remains
581	SS-233	8/29/1997	Sample of black soil, 3' bgs (exploratory test pit of area below).	3	□10	NA	Remains
585	SS-234	9/4/1997	Sample beneath former soil stockpile □1' below grade.	1	10	NA	Remains
586	SS-235	9/4/1997	Sample beneath former soil stockpile □1' below grade.	1	□1	NA	Remains
587	SS-236	9/4/1997	Sample beneath former soil stockpile □1' below grade.	1	□1	NA	Remains

Notes: Sample locations that document remedial objectives were achieved are shown on Figure 11. Soils represented by samples that failed to meet the remedial objectives were removed via additional excavation, thus those sample locations are not shown on the figure.

Field screening was conducted with immunoassay test kits (Strategic Diagnostics, Inc.)
Laboratory analysis was performed using EPA Method 8080.
Field screening results fall within the concentration ranges indicated.

Cleanup standard for PCBs in soil is 1 mg/kg for soils at depths of one foot or less and 10 mg/kg for soils at depths greater than one foot.
NA □Not Analyzed.

TABLE 23

FIELD SCREENING AND LABORATORY PCB ANALYSES
FOR SAMPLES OF SOIL LEFT IN PLACE IN AREA 3

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Log #	Sample ID	Date	Comments	Depth (ft)	PCB Concentration (mg/kg)	
					Field Screening	Laboratory
398	SS-110	7/29/1997	Soil sample from bottom 6" cut, west end.	0.5	□1	NA
428	SS-127	8/1/1997	Sample of soil at 6" cut, west of building.	0.5	□1	NA
429	SS-128	8/1/1997	Sample of soil at bottom of 6"-8" cut (area of former rail spur), west of building.	0.5	□1	NA
431	SS-130	8/1/1997	Sample of soil beneath 6" to 8" cut (in area of former rail spur).	0.5	□1	NA
436	SS-135	8/1/1997	Sample from west end recut 40' x 40' additional 4" (10" total).	0.8	□1	NA
437	SS-136	8/1/1997	Sample from west end, bottom of 6" cut.	0.5	□1	NA
452	SS-148 (H4)	8/6/1997	Sample of south wall of UST pit.	1-12	□1	NA
453	SS-149	8/6/1997	Sample at 1' cut in area around UST pit.	1	1-10	NA
454	SS-150 (H5)	8/6/1997	Sample from 5' bgs, north wall of UST pit (PID: ND).	5	□10	NA
455	SS-151 (H6)	8/6/1997	Soil from 5' depth, south wall of UST pit (PID: ND).	5	□10	NA
456	SS-152 (H7)	8/6/1997	Soil sample from 6' down, east wall of UST pit (PID: ND).	6	□10	NA
458	SS-154 (H9)	8/6/1997	Sample from bottom of UST pit (PID: ND).	12	□10	NA
462	SS-155 (E16)	8/7/1997	Sample of north wall of Area E (black soil), 2' from grade.	2	□10	NA
463	SS-156 (E17)	8/7/1997	Sample from 4' bgs in Area E.	4	□10	NA
464	SS-157 (H10)	8/7/1997	Sample from west wall of UST pit after removing □8' (□6' bgs) (PID: 8 ppm).	6	□10	NA
468	SS-161 (H11)	8/8/1997	Sample from west end of UST pit, 3' over excavation 9 feet below grade (PID: 10.2 ppm).	9	□1	NA
470	SS-163 (H12)	8/8/1997	Soil from bottom of UST pit, west end, over excavation area (PID: 90 ppm).	12	□1	NA
482	SS-166	8/9/1997	Sample from 2' bgs in area of 6' cut, west of building.	2	□1	NA
495	SS-170	8/11/1997	Sample of 6" cut on west end of property.	0..5	□1	NA
497	SS-172	8/11/1997	Sample at 2' bgs in area of 6' cut.	2	NA	□0.48
499	SS-173	8/11/1997	Sample at 12" below grade at area west of building 1□10 ppm at 6".	1	□1	NA
503	SS-177	8/11/1997	Sample from bottom of railroad bed (removed).	0-2	□1	NA
504	SS-178	8/11/1997	Sample from bottom of railroad bed (removed).	0-2	□1	NA
508	SS-180	8/13/1997	Sample of clay beneath railroad spur west of the building.	0-2	□1	NA
509	SS-181	8/13/1997	Sample of railroad bedding material, north edge of bed excavation.	2	1-10	NA
536	SS-203	8/22/1997	Sample of bottom of 6' cut west of building.	2	□1	NA
557	SS-212	8/27/1997	Soil sample west of building.	0.5	□1	NA
558	SS-213	8/27/1997	Soil sample from 6' cut area, bottom of cut.	2	□1	NA

TABLE 23

FIELD SCREENING AND LABORATORY PCB ANALYSES
FOR SAMPLES OF SOIL LEFT IN PLACE IN AREA 3

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Log #	Sample ID	Date	Comments	Depth (ft)	PCB Concentration (mg/kg)	
					Field Screening	Laboratory
559	SS-214	8/27/1997	Soil sample from 6' cut area, west wall.	2	□1	NA
560	SS-215	8/27/1997	Soil sample from 6' cut area, north wall.	2	□1	NA
561	SS-216	8/27/1997	Soil sample from 6' cut area, east wall.	2	□1	NA
562	SS-217	8/27/1997	Soil sample from temporary sump after water was removed.	4	□1	NA
564	SS-219	8/27/1997	Soil sample from north wall of sump pit, east end of railroad bed sump, (PID □2,200 ppm).	1-4	□10	NA
565	SS-220	8/27/1997	Soil sample from bottom of sump pit, east end of sump pit (PID □420 ppm).	1-4	□10	NA
566	SS-221	8/28/1997	Sample from base of bottom of rail spur drain line excavation.	2	□10	NA
567	SS-222	8/28/1997	Sample of south wall of rail spur drain pipe excavation.	1-2	□10	NA
568	SS-223	8/29/1997	Sample of north wall of rail spur drain pipe excavation.	1-2	□10	NA
574	SS-226	8/28/1997	Sample of west end cut, 18" bgs.	1.5	□1	NA
576	SS-228	8/29/1997	Sample from bottom (4.5') in "10' cut" area, west end.	4.5	□10	2.3
577	SS-229	8/29/1997	North wall of "10' cut" area □2.5' bgs.	2.5	□10	NA
578	SS-230	8/29/1997	East wall of "10' cut area", 2' bgs.	2	□10	NA
579	SS-231	8/29/1997	Sample of south wall of "10' cut area", 2.5' bgs.	2.5	□1	NA
580	SS-232	8/29/1997	Sample at 1' bgs, gray sandy clay below removed black clay.	1	□10	NA
581	SS-233	8/29/1997	Sample of black soil, 3' bgs (test pit of area below).	3	□10	NA
585	SS-234	9/4/1997	Sample beneath former soil stockpile □1' below grade.	1	10	NA
586	SS-235	9/4/1997	Sample beneath former soil stockpile □1' below grade.	1	□1	NA
587	SS-236	9/4/1997	Sample beneath former soil stockpile □1' below grade.	1	□1	NA

Notes: Sample locations are shown on Figure 11.
Field screening was conducted with immunoassay test kits (Strategic Diagnostics, Inc.)
Laboratory analysis was performed using EPA Method 8080.
Field screening results fall within the concentration ranges indicated.
Cleanup standard for PCBs in soil is 1 mg/kg for soils at depths of one foot or less and 10 mg/kg for soils at depths greater than one foot.
NA □Not Analyzed.

TABLE 24

FIELD SCREENING AND LABORATORY PCB ANALYSES
FOR UST WIPE SAMPLES - AREA 3

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Log #	Sample ID	Date	PCB Analytical Results (µg/100cm^2)		Status
			Field Screening	Lab	
459	UST-W1	8/7/1997	□10	NA	Released
461	UST-W3	8/7/1997	□10	7.7	Released
460	UST-W2	8/7/1997	□10	15	Cleaned & Resampled as UST-W4
505	UST-W4	8/12/1997	□10	NA	Released

Notes: Wipe samples were collected from former fuel oil UST.
Field screening was conducted with immunoassay test kits (Strategic Diagnostics, Inc.)
Laboratory analysis was performed using EPA Method 8080.
Field screening results fall within the concentration ranges indicated.
Cleanup standard for exposed surfaces is 10 µg/100 cm^2.
NA □Not Analyzed.
Released □UST released for shipment off-site.

TABLE 25

VOC, SVOC, AND PCB ANALYSES FOR SOIL
FORMER UST EXCAVATION IN AREA 3

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Compound	Log No./Sample ID/Date/Depth (ft)/Status				
	454 SS-150 (H5) 8/6/1997 5 Remains	455 SS-151 (H6) 8/6/1997 5 Remains	456 SS-152 (H7) 8/6/1997 6 Remains	457 SS-153 (H8) 8/6/1997 1-12 Removed	458 SS-154 (H9) 8/6/1997 12 Remains
STARS VOCs					
Benzene	□0.0012	□0.0012	□0.0012	□0.0059	□0.0011
sec-Butylbenzene	□0.0012	0.0037	□0.0012	0.031	□0.0011
tert-Butylbenzene	□0.0012	□0.0012	□0.0012	□0.0059	□0.0011
n-Butylbenzene	□0.0012	□0.0012	□0.0012	**0.21**	□0.0011
Methyl-tert-butylether	□0.0012	□0.0012	□0.0012	□0.0059	□0.0011
Ethylbenzene	□0.0012	□0.0012	□0.0012	□0.0059	□0.0011
Isopropylbenzene	□0.0012	□0.0012	□0.0012	□0.0059	□0.0011
p-Isopropyltoluene	□0.0012	□0.0012	□0.0012	0.035	□0.0011
Naphthalene	□0.0012	□0.0012	□0.0012	0.057	□0.0011
n-Propylbenzene	□0.0012	□0.0012	□0.0012	0.052	□0.0011
Toluene	□0.0012	□0.0012	□0.0012	□0.0059	□0.0011
1,2,4-Trimethylbenzene	□0.0012	0.0025	□0.0012	**0.27**	□0.0011
1,3,5-Trimethylbenzene	□0.0012	0.0029	□0.0012	0.079	□0.0011
o-Xylene	□0.0024	□0.0024	□0.0024	□0.012	□0.0022
m-, p-Xylene	□0.0024	□0.0024	□0.0024	□0.012	□0.0022
STARS SVOCs					
Acenaphthene	□0.40	□0.40	□0.40	□0.39	□0.37
Anthracene	□0.40	□0.40	□0.40	□0.39	□0.37
Benzo(a)anthracene	□0.40	□0.40	□0.40	□0.39	□0.37
Benzo(a)pyrene	□0.40	□0.40	□0.40	□0.39	□0.37
Benzo(b)fluoranthene	□0.40	□0.40	□0.40	□0.39	□0.37
Benzo(g,h,i)perylene	□0.40	□0.40	□0.40	□0.39	□0.37
Benzo(k)fluoranthene	□0.40	□0.40	□0.40	□0.39	□0.37
Indeno(1,2,3-cd)pyrene	□0.40	□0.40	□0.40	□0.39	□0.37
Chrysene	□0.40	□0.40	□0.40	□0.39	□0.37
Dibenzo(a,h)anthracene	□0.40	□0.40	□0.40	□0.39	□0.37
Fluoranthene	□0.40	□0.40	□0.40	□0.39	□0.37
Fluorene	□0.40	□0.40	□0.40	□0.39	□0.37
Naphthalene	□0.24	□0.24	□0.24	□0.24	□0.22
Phenanthrene	□0.40	□0.40	□0.40	□0.39	□0.37
Pyrene	□0.40	□0.40	□0.40	□0.39	□0.37
PCBs	□10	□10	□10	□50	□10

Notes: Units are mg/kg dry weight.
Sample locations are shown on Figure 9.
All samples were analyzed by EPA Methods 8021 (VOCs) and 8270 (SVOCs).
Samples were field-screened for PCBs using immunoassay test kits (Millipore, Inc.).
Numbers in bold are concentrations that exceed the STARS TCLP alternative guidance values.

TABLE 26

WASTE SHIPPING LOG

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Date Offsite	Dames & Moore Tracking No.	NYS Manifest No.	Waste Description	Destination	Transporter	Arrival Date	Weight (Tons)	Ticket No.
6/10/1997	97001	- -	C&D waste from loading docks	High Acres-Monroe Co.	HAZMAT	6/10/1997	6.55	207728
6/23/1997	97002	- -	C&D waste & transite roof panels from loading docks	High Acres-Monroe Co.	HAZMAT	6/23/1997	8.19	209432
6/26/1997	97003	- -	C&D waste from loading docks	High Acres-Monroe Co.	HAZMAT	6/26/1997	9.46	210040
6/26/1997	97004	- -	C&D waste from loading docks	High Acres-Monroe Co.	HAZMAT	6/26/1997	16.55	210148
6/27/1997	97005	- -	C&D waste from loading docks	High Acres-Monroe Co.	HAZMAT	6/27/1997	15.07	210253
6/27/1997	97006	- -	C&D waste from loading docks	High Acres-Monroe Co.	PARISO	6/27/1997	27.09	210280
6/27/1997	97007	- -	C&D waste from loading docks	High Acres-Monroe Co.	PARISO	6/28/1997	24.6	210386
6/28/1997	97008	- -	Soil from northwest corner of site	High Acres-Monroe Co.	PARISO	6/28/1997	23.04	210422
6/28/1997	97009	- -	Soil from northwest corner of site	High Acres-Monroe Co.	HAZMAT	6/28/1997	25.98	210423
6/28/1997	97010	- -	Soil from northwest corner of site	High Acres-Monroe Co.	PARISO	6/28/1997	21.85	210429
6/28/1997	97011	- -	Soil from northwest corner of site	High Acres-Monroe Co.	HAZMAT	6/28/1997	22.36	210432
6/28/1997	97012	- -	Soil from northwest corner of site	High Acres-Monroe Co.	PARISO	6/28/1997	27.61	210433
6/30/1997	97013	- -	Friable asbestos from main building area	High Acres-Monroe Co.	HAZMAT	6/30/1997	1.35	210521
6/30/1997	97014	- -	Soil from northwest corner of site	High Acres-Monroe Co.	HAZMAT	6/30/1997	16.77	210616
6/30/1997	97015	- -	Soil from northwest corner of site	High Acres-Monroe Co.	PARISO	6/30/1997	23.67	210534
6/30/1997	97016	- -	Soil from northwest corner of site	High Acres-Monroe Co.	PARISO	6/30/1997	24.49	210505
6/30/1997	97017	- -	Soil from northwest corner of site	High Acres-Monroe Co.	PARISO	6/30/1997	29.88	210606
6/30/1997	97018	- -	Soil from northwest corner of site	High Acres-Monroe Co.	HAZMAT	6/30/1997	16.9	210516
7/1/1997	97019	- -	Soil from northwest corner of site	High Acres-Monroe Co.	PARISO	7/1/1997	26.57	210674
7/1/1997	97020	- -	Soil from northwest corner of site	High Acres-Monroe Co.	HAZMAT	7/1/1997	16.41	210684
7/1/1997	97021	- -	Soil from northwest corner of site	High Acres-Monroe Co.	PARISO	7/1/1997	28.49	210683
7/1/1997	97022	- -	Soil from northwest corner of site	High Acres-Monroe Co.	PARISO	7/1/1997	28.44	210764
7/1/1997	97023	- -	Soil from northwest corner of site	High Acres-Monroe Co.	PARISO	7/1/1997	24.15	210768
7/1/1997	97024	- -	Soil from northwest corner of site	High Acres-Monroe Co.	PARISO	7/1/1997	21.83	210782
7/1/1997	97025	- -	Soil from northwest corner of site	High Acres-Monroe Co.	HAZMAT	7/2/1997	15.36	210819
7/2/1997	97026	- -	Soil from northwest corner of site	High Acres-Monroe Co.	PARISO	7/2/1997	25.25	210863
7/2/1997	97027	- -	Soil from northwest corner of site	High Acres-Monroe Co.	HAZMAT	7/2/1997	17.04	210908
7/2/1997	97028	- -	Soil from northwest corner of site	High Acres-Monroe Co.	PARISO	7/2/1997	25.73	210962
7/3/1997	97029-T	8643132	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/3/1997	18.02	81468650
7/3/1997	97030-T	8643123	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/3/1997	16.24	81468651
7/7/1997	97031	- -	Non-friable asbestos	High Acres-Monroe Co.	HAZMAT	7/7/1997	2.55	211307
7/7/1997	97032-T	8643141	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/7/1997	18.57	81468736
7/7/1997	97033-T	8643159	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/7/1997	18.51	81468737
7/7/1997	97034-T	8642403	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/8/1997	20.71	81468765
7/7/1997	97035-T	8643195	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/8/1997	20.38	81468764
7/8/1997	97036	- -	Inside office debris	High Acres-Monroe Co.	HAZMAT	7/8/1997	2.17	211496

TABLE 26

WASTE SHIPPING LOG

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Date Offsite	Dames & Moore Tracking No.	NYS Manifest No.	Waste Description	Destination	Transporter	Arrival Date	Weight (Tons)	Ticket No.
7/8/1997	97037	- -	Inside office debris	High Acres-Monroe Co.	HAZMAT	7/8/1997	8.52	211499
7/8/1997	97038-T	8643213	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/8/1997	21.01	81468792
7/8/1997	97039-T	8643222	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/8/1997	18.13	81468819
7/8/1997	97040-T	8643204	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/8/1997	19.82	81468818
7/8/1997	97041-T	8643231	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/9/1997	20.36	81468834
7/8/1997	97042-T	8643258	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/9/1997	19.7	81468836
7/8/1997	97043-T	8643249	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/9/1997	18.6	81468835
7/9/1997	97044	- -	Inside office debris	High Acres-Monroe Co.	HAZMAT	7/9/1997	8.53	211670
7/9/1997	97045	- -	Inside office debris	High Acres-Monroe Co.	HAZMAT	7/9/1997	6.23	211644
7/9/1997	97046-T	8643024	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/9/1997	20.61	81468882
7/9/1997	97047-T	8643015	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/9/1997	21.84	81468881
7/9/1997	97048-T	8643006	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/9/1997	20.26	81468883
7/9/1997	97049-T	8643177	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/10/1997	17.67	81468892
7/9/1997	97050-T	8643276	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/10/1997	16.17	81468895
7/9/1997	97051-T	8643267	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/10/1997	19.59	81468893
7/10/1997	97052	- -	Inside office debris	High Acres-Monroe Co.	HAZMAT	7/10/1997	4.55	211786
7/10/1997	97053	- -	Inside office debris	High Acres-Monroe Co.	HAZMAT	7/10/1997	3.38	211785
7/10/1997	97054-T	8642997	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/10/1997	20.19	81468974
7/10/1997	97055-T	8642988	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/10/1997	18.53	81468975
7/10/1997	97056-T	8642979	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/10/1997	21.63	81468977
7/10/1997	97057-T	8642943	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/11/1997	22.77	814689007
7/10/1997	97058	- -	Inside office debris	High Acres-Monroe Co.	HAZMAT	7/14/1997	4.78	212135
7/10/1997	97059	- -	Inside office debris	High Acres-Monroe Co.	HAZMAT	7/14/1997	4.66	212125
7/10/1997	97060-T	8642961	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/11/1997	23.33	81469005
7/10/1997	97061-T	8642952	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/11/1997	19.47	81469006
7/11/1997	97062-T	8643186	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/11/1997	20.17	81469083
7/11/1997	97063-T	8642934	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/11/1997	19.57	81469082
7/11/1997	97064-T	8643168	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/11/1997	22.18	81469085
7/14/1997	97065-T	8643096	Soil from zone 2	Model City-Niagara Co.	BFC	7/14/1997	28.85	81469195
7/14/1997	97066-T	8643105	Soil from zone 2	Model City-Niagara Co.	BFC	7/14/1997	29.25	81469194
7/14/1997	97067-T	8642439	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/14/1997	26.37	81469187
7/14/1997	97068-T	8642448	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/14/1997	24.74	81469180
7/14/1997	97069	- -	Inside office debris	High Acres-Monroe Co.	HAZMAT	7/14/1997	6.09	212230
7/14/1997	97070	- -	Inside office debris	High Acres-Monroe Co.	HAZMAT	7/14/1997	6.07	212231
7/14/1997	97071-T	8643078	Soil from zone 2	Model City-Niagara Co.	BFC	7/15/1997	31.76	81469219
7/14/1997	97072-T	8643087	Soil from zone 2	Model City-Niagara Co.	BFC	7/15/1997	32.1	81469218

TABLE 26

WASTE SHIPPING LOG

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Date Offsite	Dames & Moore Tracking No.	NYS Manifest No.	Waste Description	Destination	Transporter	Arrival Date	Weight (Tons)	Ticket No.
7/14/1997	97073-T	8642457	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/15/1997	18.49	81469233
7/14/1997	97074-T	8642421	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/15/1997	21.42	81469217
7/14/1997	97075	- -	Inside office debris	High Acres-Monroe Co.	HAZMAT	7/15/1997	6.96	212287
7/14/1997	97076	- -	Inside office debris	High Acres-Monroe Co.	HAZMAT	7/15/1997	7.94	212303
7/15/1997	97077	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/15/1997	24.08	212339
7/15/1997	97078	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/15/1997	26.19	212345
7/15/1997	97079-T	8642394	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/15/1997	21.45	81469296
7/15/1997	97080-T	8643051	Soil from zone 2	Model City-Niagara Co.	BFC	7/15/1997	31.71	81469298
7/15/1997	97081-T	8643069	Soil from zone 2	Model City-Niagara Co.	BFC	7/15/1997	33.29	81469299
7/15/1997	97082-T	8642412	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/15/1997	19.79	81469304
7/15/1997	97083	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/15/1997	28.42	212431
7/15/1997	97084	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/15/1997	19.44	212436
7/15/1997	97085-T	8642385	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/16/1997	23.25	81469317
7/15/1997	97086-T	8642376	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/16/1997	21.47	81469330
7/16/1997	97087	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/16/1997	31.61	212507
7/16/1997	97088	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/16/1997	28.66	212512
7/16/1997	97089	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/16/1997	32.53	212520
7/16/1997	97090-T	8642367	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/16/1997	20.31	81469425
7/16/1997	97091-T	8642358	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/16/1997	22.07	81469436
7/16/1997	97092	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/16/1997	28.01	212600
7/16/1997	97093	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/16/1997	27.18	212605
7/16/1997	97094	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/16/1997	26.16	212615
7/16/1997	97095-T	8642799	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/17/1997	20.78	81469466
7/16/1997	97096-T	8642781	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/17/1997	23.17	81469470
7/16/1997	97097-T	8642808	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/17/1997	20.71	81469469
7/16/1997	97098-T	8642349	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/17/1997	18.86	81469468
7/17/1997	97099	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/17/1997	25.56	212679
7/17/1997	97100	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/17/1997	25.76	212680
7/17/1997	97101	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/17/1997	29	212686
7/17/1997	97102-T	8642772	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/17/1997	19.83	81469556
7/17/1997	97103-T	8642763	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/17/1997	18.51	81469561
7/17/1997	97104-T	8642754	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/17/1997	22.65	81469562
7/17/1997	97105-T	8642745	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/17/1997	20.77	81469563
7/17/1997	97106	- -	Inside office debris	High Acres-Monroe Co.	HAZMAT	7/17/1997	12.19	212785
7/17/1997	97107	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/17/1997	27.67	212776
7/17/1997	97108	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/17/1997	26.37	212777

TABLE 26

WASTE SHIPPING LOG

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Date Offsite	Dames & Moore Tracking No.	NYS Manifest No.	Waste Description	Destination	Transporter	Arrival Date	Weight (Tons)	Ticket No.
7/17/1997	97109	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/17/1997	28	212787
7/17/1997	97110-T	8642817	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/18/1997	22.65	81469619
7/17/1997	97111-T	8642826	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/18/1997	20.68	81469609
7/17/1997	97112-T	8642835	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/18/1997	21.39	81469610
7/17/1997	97113-T	8642844	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/18/1997	20.69	81469611
7/17/1997	97114-TB	8642916	TSCA debris from building	Model City-Niagara Co.	HAZMAT	7/18/1997	5.22	81469700
7/18/1997	97115	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/18/1997	25.15	212851
7/18/1997	97116	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/18/1997	26.05	212853
7/18/1997	97117	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/18/1997	17.32	212862
7/18/1997	97118-TB	8642862	TSCA debris from building	Model City-Niagara Co.	HAZMAT	7/21/1997	9.33	81354657
7/18/1997	97119-T	8642853	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/18/1997	22.66	81469710
7/18/1997	97120-T	8642736	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/18/1997	23.31	81469704
7/18/1997	97121-T	8642268	Soil from zone 2	Model City-Niagara Co.	HAZMAT	7/21/1997	22.58	81354675
7/18/1997	97122	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/18/1997	25.91	212934
7/18/1997	97123	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/18/1997	26.44	212944
7/21/1997	97124-TB	8642871	TSCA debris from building	Model City-Niagara Co.	HAZMAT	7/21/1997	7.53	81354670
7/21/1997	97125-TB	8642889	TSCA debris from building	Model City-Niagara Co.	HAZMAT	7/22/1997	8.57	81469765
7/21/1997	97126-TB	8642898	TSCA debris from building	Model City-Niagara Co.	HAZMAT	7/22/1997	8.96	81354712
722/97	97127	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	722/97	24.82	213184
7/22/1997	97128	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/22/1997	26.26	213185
7/22/1997	97129	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/22/1997	25.49	213189
7/22/1997	97130	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/22/1997	25.2	213188
7/22/1997	97131-TB	8642907	TSCA debris from building	Model City-Niagara Co.	HAZMAT	7/22/1997	8.55	81354728
7/22/1997	97132-TB	8642925	TSCA debris from building	Model City-Niagara Co.	HAZMAT	7/23/1997	7.19	81469844
7/22/1997	97133	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/23/1997	25.63	213294
7/22/1997	97134	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/22/1997	25.36	213267
7/22/1997	97135	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/22/1997	24.66	213271
7/22/1997	97136	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/22/1997	24.94	213275
7/22/1997	97137	- -	Debris from NW corner	High Acres-Monroe Co.	HAZMAT	7/23/1997	11.75	213301
7/23/1997	97138	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/23/1997	28.18	213334
7/23/1997	97139	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/23/1997	27.51	213336
7/23/1997	97140	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/23/1997	25.57	213353
7/23/1997	97141	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/23/1997	24.13	213367
7/23/1997	97142-TB	8792091	TSCA debris from building	Model City-Niagara Co.	HAZMAT	7/24/1997	8.3	81469886
7/23/1997	97143	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/23/1997	22.92	213416
7/23/1997	97144	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/23/1997	25.04	213426

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WASTE SHIPPING LOG

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Date Offsite	Dames & Moore Tracking No.	NYS Manifest No.	Waste Description	Destination	Transporter	Arrival Date	Weight (Tons)	Ticket No.
7/23/1997	97145	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/23/1997	27.88	213434
7/23/1997	97146	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/24/1997	26.88	213449
7/24/1997	97147	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/24/1997	26.16	213496
7/24/1997	97148	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/24/1997	25.59	213498
7/24/1997	97149	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/24/1997	25.5	213505
7/24/1997	97150	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/24/1997	18.41	213525
7/24/1997	97151-TB	8792082	TSCA debris from building	Model City-Niagara Co.	HAZMAT	7/24/1997	9.77	81469969
7/24/1997	97152-TB	8792118	TSCA debris from building	Model City-Niagara Co.	HAZMAT	7/25/1997	18.16	81470010
7/24/1997	97153-T	8792073	TSCA soil from NW Corner	Model City-Niagara Co.	HAZMAT	7/25/1997	22.98	81470009
7/24/1997	97154	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/24/1997	23.4	213586
7/24/1997	97155	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/24/1997	24.44	213596
7/24/1997	97156	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/24/1997	26.55	213600
7/24/1997	97157	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/25/1997	19.91	213691
7/24/1997	97158-T	8792064	TSCA soil from NW Corner	Model City-Niagara Co.	HAZMAT	7/25/1997	23.16	81470007
7/24/1997	97159-T	8792055	TSCA soil from NW Corner	Model City-Niagara Co.	HAZMAT	7/25/1997	20.52	81470008
7/24/1997	97160-T	8792046	TSCA soil from NW Corner	Model City-Niagara Co.	HAZMAT	7/25/1997	23.03	81470006
7/25/1997	97161-T	8792037	TSCA soil from NW Corner	Model City-Niagara Co.	HAZMAT	7/25/1997	21.41	81470077
7/25/1997	97162-T	8792028	TSCA soil from NW Corner	Model City-Niagara Co.	HAZMAT	7/25/1997	18.16	81470076
7/25/1997	97163-T	8792019	TSCA soil from NW Corner	Model City-Niagara Co.	HAZMAT	7/25/1997	14.98	81470084
7/25/1997	97164-T	8792136	TSCA soil from NW Corner	Model City-Niagara Co.	HAZMAT	7/25/1997	18.26	81470081
7/25/1997	97165-T	8747001	TSCA soil from NW Corner	Model City-Niagara Co.	HAZMAT	7/28/1997	18.78	81470121
7/25/1997	97166-T	8792154	TSCA soil from NW Corner	Model City-Niagara Co.	HAZMAT	7/28/1997	21.11	81470182
7/25/1997	97167-T	8792163	TSCA soil from NW Corner	Model City-Niagara Co.	HAZMAT	7/28/1997	21.72	81470119
7/25/1997	97168-T	8746983	TSCA soil from NW Corner	Model City-Niagara Co.	HAZMAT	7/28/1997	21.05	81470120
7/28/1997	97169	- -	Concrete pad from NW Corner	High Acres-Monroe Co.	HAZMAT	7/28/1997	14.94	213916
7/28/1997	97170	- -	Concrete pad from NW Corner	High Acres-Monroe Co.	HAZMAT	7/28/1997	16.6	213917
7/28/1997	97171	- -	Concrete pad from NW Corner	High Acres-Monroe Co.	HAZMAT	7/28/1997	15.03	213915
7/28/1997	97172	- -	Concrete pad from NW Corner	High Acres-Monroe Co.	HAZMAT	7/29/1997	16.64	214014
7/28/1997	97173	- -	Concrete pad from NW Corner	High Acres-Monroe Co.	HAZMAT	8/1/1997	18.43	214514
7/28/1997	97174	- -	Concrete pad from NW Corner	High Acres-Monroe Co.	HAZMAT	7/29/1997	18.58	214015
7/28/1997	97175-TB	8792127	TSCA debris from building	Model City-Niagara Co.	HAZMAT	7/29/1997	7.01	81470223
7/29/1997	97176	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/29/1997	25.93	214064
7/29/1997	97177	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/29/1997	29.14	214060
7/29/1997	97178	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/29/1997	16.78	214066
7/29/1997	97179-TB	8746749	TSCA debris from building	Model City-Niagara Co.	HAZMAT	7/29/1997	11.21	81470281
7/29/1997	97180	- -	Concrete pad from UST pit, south dock	High Acres-Monroe Co.	HAZMAT	7/29/1997	20.96	214124

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Date Offsite	Dames & Moore Tracking No.	NYS Manifest No.	Waste Description	Destination	Transporter	Arrival Date	Weight (Tons)	Ticket No.
7/29/1997	97181	- -	Concrete pad from UST pit, south dock	High Acres-Monroe Co.	HAZMAT	7/29/1997	24.49	214126
7/29/1997	97182-TB	8746731	TSCA debris from building	Model City-Niagara Co.	HAZMAT	7/30/1997	11.58	81470321
7/29/1997	97183	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/30/1997	23.4	214183
7/29/1997	97184	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/30/1997	14.5	214182
7/29/1997	97185	- -	Soil from NW corner	High Acres-Monroe Co.	PARISO	7/30/1997	25.05	214187
7/30/1997	97186-TB	8746767	TSCA debris from building	Model City-Niagara Co.	HAZMAT	7/30/1997	10.01	81470361
7/30/1997	97187-TB	8746758	TSCA debris from building	Model City-Niagara Co.	HAZMAT	7/31/1997	7.78	81470386
7/30/1997	97188-T	8746641	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	7/30/1997	20.61	81470358
7/30/1997	97189-T	8746659	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	7/30/1997	25.36	81470359
7/30/1997	97190	- -	Soil from west end	High Acres-Monroe Co.	PARISO	7/30/1997	18.28	214288
7/30/1997	97191	- -	Soil from west end	High Acres-Monroe Co.	PARISO	7/31/1997	20.2	214361
7/30/1997	97192	- -	Soil from west end	High Acres-Monroe Co.	PARISO	7/30/1997	32.85	214304
7/30/1997	97193-T	8746668	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	7/31/1997	21.81	81470389
7/30/1997	97194-T	8746632	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	7/31/1997	20.97	81470387
7/31/1997	97195-T	8746677	TSCA soil- under concrete pad, NW corner	Model City-Niagara Co.	HAZMAT	7/31/1997	18.9	81470450
7/31/1997	97196-T	8746686	TSCA soil- under concrete pad, NW corner	Model City-Niagara Co.	HAZMAT	7/31/1997	20.36	81470449
7/31/1997	97197-TB	8746722	TSCA debris from building	Model City-Niagara Co.	HAZMAT	8/1/1997	10.33	81470490
7/31/1997	97198-T	8746695	TSCA soil- under concrete pad, NW corner	Model City-Niagara Co.	HAZMAT	8/1/1997	23.52	81470495
7/31/1997	97199-T	8746704	TSCA soil- under concrete pad, NW corner	Model City-Niagara Co.	HAZMAT	8/1/1997	16.09	81470496
7/31/1997	17984	- -	#2 Fuel Oil From UST	REC Oil-York, PA	BISON OIL	8/4/1997	1600 G	11038
8/1/1997	97200-T	8642277	TSCA soil- under concrete pad, NW corner	Model City-Niagara Co.	HAZMAT	8/1/1997	19.73	81470561
8/1/1997	97201-T	8642322	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/1/1997	20.18	81470562
8/1/1997	97202-T	8642313	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/4/1997	22.55	81354798
8/1/1997	97203-T	8642304	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/4/1997	23.32	81354797
8/1/1997	97204-T	8642295	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/4/1997	28.31	81354805
8/1/1997	97205-T	8642286	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/4/1997	27.45	81354799
8/4/1997	97206-T	8746812	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/4/1997	21.7	81470574
8/4/1997	97207-T	8746821	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/4/1997	22.29	81470576
8/4/1997	97208-T	8746839	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/4/1997	18.55	81470587
8/4/1997	97209-T	8746848	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/5/1997	21.46	81470626
8/4/1997	97210-T	8746857	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/5/1997	20.92	81470628
8/4/1997	97211-T	8746866	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/5/1997	19.82	81470632
8/5/1997	97212-T	8746875	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/5/1997	22.22	81470703
8/5/1997	97213-T	8642331	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/5/1997	25.57	81470705
8/5/1997	97214-T	8792145	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/5/1997	21.51	81470708
8/5/1997	97215-T	8746884	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/6/1997	26.64	81470710

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Date Offsite	Dames & Moore Tracking No.	NYS Manifest No.	Waste Description	Destination	Transporter	Arrival Date	Weight (Tons)	Ticket No.
8/5/1997	97216-T	8746893	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/6/1997	22.6	81470712
8/5/1997	97217-T	8746902	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/6/1997	21.89	81470714
8/6/1997	97218-T	8746929	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/6/1997	17.6	81470779
8/6/1997	97219-T	8746938	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/6/1997	20.73	81470778
8/6/1997	97220	- -	"Sub-D" soil from south of building	High Acres-Monroe Co.	HAZMAT	8/6/1997	23.05	215196
8/6/1997	97221-T	8746911	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/7/1997	21.79	81354899
8/6/1997	97222-T	8746776	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/7/1997	22.13	81354898
8/6/1997	97223-T	8746785	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/7/1997	27.18	81354900
8/7/1997	97224	- -	"Sub-D" soil from NW corner	High Acres-Monroe Co.	PARISO	8/7/1997	24.53	215303
8/7/1997	97225	- -	"Sub-D" soil from NW corner	High Acres-Monroe Co.	PARISO	8/7/1997	25.33	215292
8/7/1997	97226-T	8674542	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/7/1997	19.45	81470833
8/7/1997	97227-T	8674551	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/7/1997	17.69	81470834
8/7/1997	97228-T	8674308	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/7/1997	19.36	81470836
8/7/1997	97229-T	8674317	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/7/1997	19.07	81470837
8/7/1997	97230-T	8674299	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/7/1997	20.62	81470838
8/7/1997	97231	- -	"Sub-D" soil from NW corner	High Acres-Monroe Co.	PARISO	8/7/1997	27.1	215388
8/7/1997	97232	- -	"Sub-D" soil from NW corner	High Acres-Monroe Co.	PARISO	8/8/1997	20.94	215448
8/7/1997	97233-T	8674281	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/8/1997	21.15	81470877
8/7/1997	97234-T	8674272	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/8/1997	21.21	81470879
8/7/1997	97235-T	8674263	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/8/1997	19.49	81470875
8/7/1997	97236-T	8674254	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/8/1997	22.1	81470880
8/7/1997	97237-T	8674326	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/8/1997	22.53	81470878
8/8/1997	97238	- -	"Sub-D" soil from NW corner	High Acres-Monroe Co.	PARISO	8/8/1997	29.78	215483
8/8/1997	97239	- -	"Sub-D" soil from NW corner	High Acres-Monroe Co.	PARISO	8/8/1997	29.64	215484
8/8/1997	97240	- -	"Sub-D" soil from NW corner	High Acres-Monroe Co.	PARISO	8/8/1997	25.19	215492
8/8/1997	97241-T	8674335	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/8/1997	21.79	81470950
8/8/1997	97242-T	8674344	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/8/1997	22.85	81470952
8/8/1997	97243-T	8674353	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/8/1997	20.83	81470953
8/8/1997	97244-T	8674461	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/8/1997	17.92	81470954
8/8/1997	97245-T	8674479	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/8/1997	19.64	81470957
8/8/1997	97246-T	8674488	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/8/1997	8.77	81470944
8/8/1997	97247	- -	"Sub-D" soil from NW corner	High Acres-Monroe Co.	PARISO	8/8/1997	18.22	215557
8/8/1997	97248	- -	"Sub-D" soil from NW corner	High Acres-Monroe Co.	PARISO	8/8/1997	30.25	215587
8/8/1997	97249	- -	"Sub-D" soil from NW corner	High Acres-Monroe Co.	PARISO	8/8/1997	26.34	215592
8/8/1997	97250-T	8674884	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/11/1997	21.33	81471006
8/8/1997	97251-T	8674875	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/11/1997	21.02	81471013

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Date Offsite	Dames & Moore Tracking No.	NYS Manifest No.	Waste Description	Destination	Transporter	Arrival Date	Weight (Tons)	Ticket No.
8/8/1997	97252-T	8674497	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/11/1997	20.8	81471007
8/8/1997	97253-T	8674506	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/11/1997	21.33	81471012
8/8/1997	97254-T	8674524	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/11/1997	21.96	81471011
8/11/1997	97255-T	8674533	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/11/1997	21.2	81353840
8/11/1997	97256-T	8746794	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/11/1997	20.77	81471058
8/11/1997	97257-T	8674956	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/11/1997	23.35	81471059
8/11/1997	97258-T	8746803	TSCA soil- Zone 2	Model City-Niagara Co.	HAZMAT	8/11/1997	25.81	81471060
8/11/1997	97259	- -	"Sub-D" soil from west end of property	High Acres-Monroe Co.	HAZMAT	8/11/1997	21.02	215760
8/12/1997	97260	- -	"Sub-D" soil from west end of property - RR Bed	High Acres-Monroe Co.	PARISO	8/12/1997	21.39	215871
8/12/1997	97261	- -	"Sub-D" soil from west end of property - RR Bed	High Acres-Monroe Co.	PARISO	8/12/1997	23.12	215874
8/12/1997	97262	- -	"Sub-D" soil from west end of property - RR Bed	High Acres-Monroe Co.	PARISO	8/13/1997	30.53	216016
8/12/1997	97263	- -	"Sub-D" soil from west end of property - RR Bed	High Acres-Monroe Co.	PARISO	8/13//97	29.76	216028
8/13/1997	97264	- -	"Sub-D" soil from west end of property - RR Bed	High Acres-Monroe Co.	HAZMAT	8/13//97	19.16	216091
8/13/1997	97265	- -	"Sub-D" soil from west end of property - RR Bed	High Acres-Monroe Co.	HAZMAT	8/13//97	23.43	216092
8/13/1997	97266	- -	"Sub-D" soil from west end of property - RR Bed	High Acres-Monroe Co.	HAZMAT	8/13//97	26.54	216096
8/13/1997	97267	- -	"Sub-D" soil from west end of property - RR Bed	High Acres-Monroe Co.	PARISO	8/13//97	23.3	216118
8/13/1997	97268	- -	"Sub-D" soil from west end of property - RR Bed	High Acres-Monroe Co.	PARISO	8/13//97	24.76	216133
8/13/1997	97269	- -	"Sub-D" soil from west end of property - RR Bed	High Acres-Monroe Co.	HAZMAT	8/14//97	19.61	216264
8/13/1997	97270	- -	"Sub-D" soil from west end of property	High Acres-Monroe Co.	HAZMAT	8/14//97	21.22	216412
8/13/1997	97271	- -	"Sub-D" soil from west end of property	High Acres-Monroe Co.	PARISO	8/14//97	24.62	216281
8/13/1997	97272	- -	"Sub-D" soil from west end of property	High Acres-Monroe Co.	PARISO	8/14//97	25.69	216391
8/13/1997	97273	- -	"Sub-D" soil from west end of property	High Acres-Monroe Co.	PARISO	8/14//97	30.56	216457
8/14/1997	97274	- -	"Sub-D" soil from south of property	High Acres-Monroe Co.	HAZMAT	8/14//97	21.02	216304
8/14/1997	97275	- -	"Sub-D" soil from south of property	High Acres-Monroe Co.	HAZMAT	8/14//97	19.09	216375
8/14/1997	97276	- -	"Sub-D" soil from west end of property	High Acres-Monroe Co.	HAZMAT	8/14//97	25.87	216473
8/14/1997	97277	- -	"Sub-D" soil from west end of property	High Acres-Monroe Co.	HAZMAT	8/14//97	22.96	216594
8/19/1997	97278	- -	Non-friable asbestos - Windows	High Acres-Monroe Co.	HAZMAT	8/19/1997	3.33	216951
8/19/1997	97279	- -	Non-friable asbestos - Windows	High Acres-Monroe Co.	HAZMAT	8/20/1997	1.86	217104
8/22/1997	97280	- -	"Sub-D" soil from west end of property	High Acres-Monroe Co.	PARISO	8/22/1997	24.56	217464
8/22/1997	97281	- -	"Sub-D" soil from west end of property	High Acres-Monroe Co.	PARISO	8/22/1997	26.05	217473
8/22/1997	97282	- -	Non-friable asbestos - Windows	High Acres-Monroe Co.	HAZMAT	8/22/1997	4.85	217479
8/22/1997	97283	- -	"Sub-D" soil from west end of property	High Acres-Monroe Co.	PARISO	8/22/1997	27.02	217585
8/22/1997	97284	- -	"Sub-D" soil from west end of property	High Acres-Monroe Co.	PARISO	8/22/1997	24.84	217587
8/25/1997	97285	- -	"Sub-D" soil from NW corner	High Acres-Monroe Co.	PARISO	8/25/1997	21.61	217689
8/25/1997	97286	- -	"Sub-D" soil from NW corner	High Acres-Monroe Co.	PARISO	8/25/1997	22.35	217695
8/25/1997	97287-W	8781651	Water collected in sump created near RR bed	Model City-Niagara Co.	HAZMAT	8/25/1997	G	81472154

TABLE 26

WASTE SHIPPING LOG

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Date Offsite	Dames & Moore Tracking No.	NYS Manifest No.	Waste Description	Destination	Transporter	Arrival Date	Weight (Tons)	Ticket No.
8/25/1997	97288	- -	"Sub-D" soil from west end of property - RR Bed	High Acres-Monroe Co.	PARISO	8/25/1997	21.77	217714
8/25/1997	97289	- -	Non-friable asbestos - Windows	High Acres-Monroe Co.	HAZMAT	8/25/1997	4.07	217718
8/25/1997	97290	- -	"Sub-D" soil from west end of property - RR Bed	High Acres-Monroe Co.	PARISO	8/25/1997	27.74	217787
8/25/1997	97291	- -	"Sub-D" soil from west end of property - RR Bed	High Acres-Monroe Co.	PARISO	8/25/1997	23.19	217804
8/25/1997	97292-W	8781687	Water collected in sump created near RR bed	Model City-Niagara Co.	HAZMAT	8/26/1997	G	81472208
8/25/1997	97293	- -	"Sub-D" soil from west end of property - RR Bed	High Acres-Monroe Co.	PARISO	8/26/1997	19.56	217847
8/26/1997	97294	- -	"Sub-D" soil from west end of property	High Acres-Monroe Co.	PARISO	8/26/1997	22.87	217895
8/26/1997	97295	- -	"Sub-D" soil from west end of property	High Acres-Monroe Co.	PARISO	8/26/1997	23.47	217896
8/26/1997	97296	- -	"Sub-D" soil from west end of property	High Acres-Monroe Co.	PARISO	8/26/1997	23.68	217941
8/26/1997	97297	- -	"Sub-D" soil from NW corner	High Acres-Monroe Co.	PARISO	8/26/1997	23.5	218014
8/26/1997	97298	- -	"Sub-D" soil from NW corner	High Acres-Monroe Co.	PARISO	8/26/1997	23.13	218015
8/26/1997	97299-W	8781669	Water collected in sump created near RR bed	Model City-Niagara Co.	HAZMAT	8/27/1997	G	811172321
8/26/1997	97300	- -	"Sub-D" soil from NW corner	High Acres-Monroe Co.	PARISO	8/27/1997	19.51	218058
8/27/1997	97301	- -	Non-friable asbestos - Windows	High Acres-Monroe Co.	HAZMAT	8/27/1997	10.02	218099
8/27/1997	97302	- -	"Sub-D" soil from NW corner	High Acres-Monroe Co.	PARISO	8/27/1997	25.85	218089
8/27/1997	97303-T	8674929	Soil from west end of property - RR Bed	Model City-Niagara Co.	HAZMAT	8/28/1997	20.12	81472470
8/27/1997	97304	- -	"Sub-D" soil from NW corner	High Acres-Monroe Co.	PARISO	8/27/1997	21.15	218122
8/27/1997	97305-T	8674569	Soil from west end of property - RR Bed	Model City-Niagara Co.	HAZMAT	8/28/1997	16.97	81472485
8/27/1997	97306	- -	"Sub-D" soil from NW corner	High Acres-Monroe Co.	PARISO	8/27/1997	27.5	218189
8/27/1997	97307	- -	"Sub-D" soil from NW corner	High Acres-Monroe Co.	PARISO	8/28/1997	22.29	218254
8/27/1997	97308-W	8781714	Water collected in sump created near RR bed	Model City-Niagara Co.	HAZMAT	8/28/1997		81472476
8/27/1997	97309-T	8674578	Soil from west end of property - RR Bed	Model City-Niagara Co.	HAZMAT	8/28/1997	18.22	81472469
8/28/1997	97310	- -	"Sub-D" soil from NW corner VOC area	High Acres-Monroe Co.	PARISO	8/28/1997	28.87	218351
8/28/1997	97311-T	8674596	Rail Road Bed - Pipe Removal	Model City-Niagara Co.	HAZMAT	8/29/1997	16.22	81472560
8/28/1997	97312-T	8674587	Rail Road Bed - Pipe Removal	Model City-Niagara Co.	HAZMAT	8/29/1997	16.15	81472561
8/28/1997	97313-T	8674893	Rail Road Bed - Pipe Removal	Model City-Niagara Co.	HAZMAT	8/29/1997	14.16	81472596
8/28/1997	97314	- -	"Sub-D" soil from NW corner VOC area	High Acres-Monroe Co.	PARISO	8/29/1997	19.2	218438
8/29/1997	97315	- -	Under asphalt, west end	High Acres-Monroe Co.	PARISO	8/29/1997	23.46	218468
8/29/1997	97316	- -	Under asphalt, west end	High Acres-Monroe Co.	PARISO	8/29/1997	27.61	218480
8/29/1997	97317	- -	Under asphalt, west end	High Acres-Monroe Co.	PARISO	8/29/1997	29.45	218485
8/29/1997	97318-T	8674704	Rail Road Bed - Pipe Removal	Model City-Niagara Co.	HAZMAT	8/29/1997	15.92	81472618
8/29/1997	97319-T	8674695	Rail Road Bed - Pipe Removal	Model City-Niagara Co.	HAZMAT	8/29/1997	18.31	81472617
8/29/1997	97320-T	8674713	Rail Road Bed - Pipe Removal	Model City-Niagara Co.	HAZMAT	8/29/1997	14.69	81472619
8/29/1997	97321	- -	Under asphalt, west end	High Acres-Monroe Co.	PARISO	8/29/1997	18.6	218537
8/29/1997	97322-T	8674902	Rail Road Bed - Pipe Removal	Model City-Niagara Co.	HAZMAT	8/29/1997	16.84	81472623
8/29/1997	97323-T	8674911	Rail Road Bed - Pipe Removal	Model City-Niagara Co.	HAZMAT	8/29/1997	14.43	81472627

TABLE 26

WASTE SHIPPING LOG

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Date Offsite	Dames & Moore Tracking No.	NYS Manifest No.	Waste Description	Destination	Transporter	Arrival Date	Weight (Tons)	Ticket No.
8/29/1997	97324	- -	Under asphalt, west end	High Acres-Monroe Co.	PARISO	8/29/1997	24.84	218584
8/29/1997	97325	- -	Under asphalt, west end	High Acres-Monroe Co.	PARISO	8/29/1997	25.7	218595
8/29/1997	97326-T	8674947	Rail Road Bed - Pipe Removal	Model City-Niagara Co.	HAZMAT	9/2/1997	12.95	81472677
8/29/1997	97327-T	8674605	Rail Road Bed - Pipe Removal	Model City-Niagara Co.	HAZMAT	9/2/1997	17.43	81472678
8/29/1997	97328-T	8674623	Rail Road Bed - Pipe Removal	Model City-Niagara Co.	HAZMAT	9/2/1997	17.92	81472671
8/29/1997	97329-T	8674614	Rail Road Bed - Pipe Removal	Model City-Niagara Co.	HAZMAT	9/2/1997	15.4	81472673
9/2/1997	97330	- -	Under asphalt, west end	High Acres-Monroe Co.	PARISO	9/2/1997	21.39	218730
9/2/1997	97331	- -	Under asphalt, west end	High Acres-Monroe Co.	PARISO	9/2/1997	22.14	218731
9/2/1997	97332	- -	Under asphalt, west end	High Acres-Monroe Co.	PARISO	9/2/1997	22.6	218740
9/2/1997	97333	- -	Under asphalt, west end	High Acres-Monroe Co.	PARISO	9/2/1997	22.02	218743
9/2/1997	97334-TB	8674668	Building debris	Model City-Niagara Co.	HAZMAT	9/2/1997	3.29	81472718
9/2/1997	97335-T	8674659	Rail Road Bed - Pipe Removal	Model City-Niagara Co.	HAZMAT	9/2/1997	19.58	81472726
9/2/1997	97336-T	8674641	Rail Road Bed - Pipe Removal	Model City-Niagara Co.	HAZMAT	9/2/1997	17.91	81472732
9/2/1997	97337-T	8674632	Rail Road Bed - Pipe Removal	Model City-Niagara Co.	HAZMAT	9/2/1997	21.54	81472730
9/2/1997	97338	- -	Under asphalt, west end	High Acres-Monroe Co.	PARISO	9/2/1997	25.62	218839
9/2/1997	97339	- -	Under asphalt, west end	High Acres-Monroe Co.	PARISO	9/2/1997	19.9	218837
9/2/1997	97340	- -	Under asphalt, west end	High Acres-Monroe Co.	PARISO	9/2/1997	24.74	218841
9/2/1997	97341	- -	Under asphalt, west end	High Acres-Monroe Co.	PARISO	9/2/1997	24.2	218846
9/2/1997	97342-T		Rail Road Bed - Pipe Removal	Model City-Niagara Co.	HAZMAT	9/3/1997		
9/2/1997	97343-T		Rail Road Bed - Pipe Removal	Model City-Niagara Co.	HAZMAT	9/3/1997		
9/2/1997	97344-T		Rail Road Bed - Pipe Removal	Model City-Niagara Co.	HAZMAT	9/3/1997		
9/3/1997	97345	- -	Under asphalt, west end	High Acres-Monroe Co.	PARISO	9/3/1997	25.99	218950
9/3/1997	97346	- -	Under asphalt, west end	High Acres-Monroe Co.	PARISO	9/3/1997	25.45	218962
9/3/1997	97347	- -	Under asphalt, west end	High Acres-Monroe Co.	PARISO	9/3/1997	19.36	218963
9/3/1997	97348	- -	Under asphalt, west end	High Acres-Monroe Co.	PARISO	9/3/1997	24.63	218965
9/3/1997	97349-T		Rail Road Bed - Pipe Removal	Model City-Niagara Co.	HAZMAT	9/3/1997		
9/3/1997	97350	- -	Under asphalt, west end	High Acres-Monroe Co.	HAZMAT	9/3/1997	20.81	219039
9/3/1997	97351	- -	Under asphalt, west end	High Acres-Monroe Co.	HAZMAT	9/3/1997	25.73	219035
9/3/1997	97352	- -	Under asphalt, west end	High Acres-Monroe Co.	PARISO	9/3/1997	19.45	219047
9/3/1997	97353	- -	Under asphalt, west end	High Acres-Monroe Co.	PARISO	9/3/1997	18.09	219038
9/3/1997	97354	- -	Under asphalt, west end	High Acres-Monroe Co.	PARISO	9/3/1997	19.6	219061
9/3/1997	97355	- -	Under asphalt, west end	High Acres-Monroe Co.	PARISO	9/3/1997	22.17	219071
9/4/1997	97356-D	8781723	Drums: sump sludge (5) and water (18) (to be incinerated) and paint booth filter (1)	Model City-Niagara Co.	HAZMAT	9/4/1997	24 D	81472943
9/4/1997	97357	- -	Under asphalt, west end	High Acres-Monroe Co.	PARISO	9/4/1997	23.61	219151
9/4/1997	97358	- -	Under asphalt, west end	High Acres-Monroe Co.	PARISO	9/4/1997	30.31	219162

TABLE 26

WASTE SHIPPING LOG

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Date Offsite	Dames & Moore Tracking No.	NYS Manifest No.	Waste Description	Destination	Transporter	Arrival Date	Weight (Tons)	Ticket No.
9/4/1997	97359	- -	Under asphalt, west end	High Acres-Monroe Co.	PARISO	9/4/1997	23.42	219253
9/4/1997	97360	- -	Under asphalt, west end	High Acres-Monroe Co.	PARISO	9/4/1997	21.21	219260
1/21/1998	- -	5741973	Waste water from sewer cleaning	Model City-Niagara Co.	Marcor	1/21/1998	1475G	
1/23/1998	- -	5741946	Waste water from sewer cleaning	Model City-Niagara Co.	Marcor	1/23/1998	1944G	
1/26/1998	- -	5741937	Waste water from sewer cleaning	Model City-Niagara Co.	Marcor	1/27/1998	1304G	
1/29/1998	- -	0615015	Waste water from sewer cleaning	Model City-Niagara Co.	Marcor	1/29/1998	2426G	
6/15/1999	99001	- -	Non-hazardous concrete from floor	High Acres-Monroe Co.	Page	6/15/1999	19.48	16868
6/15/1999	99002	- -	Non-hazardous concrete from floor	High Acres-Monroe Co.	Page	6/15/1999	21.33	16869
6/15/1999	99003	- -	Non-hazardous concrete from floor	High Acres-Monroe Co.	Page	6/15/1999	25.3	16983
6/15/1999	99004	- -	Non-hazardous concrete from floor	High Acres-Monroe Co.	Page	6/15/1999	30.15	16891
6/16/1999	99005	- -	Non-hazardous concrete from floor	High Acres-Monroe Co.	Page	6/16/1999	23.89	17073
6/15/1999	99006	- -	Non-hazardous concrete from floor	High Acres-Monroe Co.	Page	6/16/1999	29.51	17013
6/16/1999	99007	- -	Non-hazardous concrete from floor	High Acres-Monroe Co.	Page	6/16/1999	25.82	17111
6/16/1999	99008	- -	Non-hazardous concrete from floor	High Acres-Monroe Co.	Page	6/16/1999	24.49	17178
6/16/1999	99009	- -	Non-hazardous concrete from floor	High Acres-Monroe Co.	Page	6/16/1999	22.75	17212
6/17/1999	99010	- -	Non-hazardous concrete from floor	High Acres-Monroe Co.	Page	6/17/1999	25.06	17330
6/17/1999	99011	- -	Non-hazardous concrete from floor	High Acres-Monroe Co.	Page	6/17/1999	22.75	17320
6/17/1999	99012	NYG1580337	TSCA concrete from floor	Model City-Niagara Co.	BFC	6/17/1999	13.03	81506432
6/17/1999	99013	- -	Non-hazardous concrete from floor	High Acres-Monroe Co.	Page	6/18/1999	25.48	17461
6/17/1999	99014	- -	Non-hazardous concrete from floor	High Acres-Monroe Co.	Page	6/17/1999	25.66	17440
6/17/1999	99015	NYG1580346	TSCA concrete from floor	Model City-Niagara Co.	BFC	6/17/1999	17.99	81506446
6/18/1999	99016	NYG1580355	TSCA concrete from floor	Model City-Niagara Co.	BFC	6/18/1999	19.28	81506535
6/18/1999	99017	NYG1580364	TSCA concrete from floor	Model City-Niagara Co.	BFC	6/18/1999	16.78	81506542
6/18/1999	99018	- -	Non-hazardous concrete from floor	High Acres-Monroe Co.	Page	6/18/1999	25.25	17571
6/18/1999	99019	- -	Non-hazardous concrete from floor	High Acres-Monroe Co.	Page	6/18/1999	26.66	17582
6/18/1999	99020	NYG1580382	TSCA concrete from floor	Model City-Niagara Co.	BFC	6/21/1999	17.68	81506604
6/21/1999	99021	NYG1580373	TSCA concrete from floor	Model City-Niagara Co.	BFC	6/21/1999	21.46	81506623
6/21/1999	99022	NYG1580391	TSCA debris & drum	Model City-Niagara Co.	BFC	6/21/1999	5.63	81506638
6/21/1999	99023	NYG1580409	TSCA concrete from floor	Model City-Niagara Co.	BFC	6/22/1999	20.19	81506737
6/22/1999	99024	NYG1580418	TSCA concrete from floor	Model City-Niagara Co.	BFC	6/22/1999	21.46	81506725
6/22/1999	99025	NYG1580427	TSCA concrete from floor	Model City-Niagara Co.	BFC	6/22/1999	22.54	81507344
6/23/1999	99026	NYG1580436	TSCA concrete from floor	Model City-Niagara Co.	BFC	6/23/1999	23.19	81506910
6/24/1999	99027	NYG1580445	TSCA concrete from floor	Model City-Niagara Co.	BFC	6/24/1999	20.01	81506905
6/25/1999	99028	NYG1580454	TSCA concrete from floor	Model City-Niagara Co.	BFC	6/25/1999	22.17	81507002
6/25/1999	99029	NYG1580463	TSCA concrete from floor	Model City-Niagara Co.	BFC	6/28/1999	20.17	81507165
6/28/1999	99030	NYG1580472	TSCA concrete from floor	Model City-Niagara Co.	HAZMAT	6/28/1999	22.45	81507122

TABLE 26

WASTE SHIPPING LOG

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Date Offsite	Dames & Moore Tracking No.	NYS Manifest No.	Waste Description	Destination	Transporter	Arrival Date	Weight (Tons)	Ticket No.
6/28/1999	99031	NYG1580481	TSCA concrete from floor	Model City-Niagara Co.	HAZMAT	6/28/1999	14.92	81507138
6/28/1999	99032	NYG1580517	TSCA concrete from floor	Model City-Niagara Co.	HAZMAT	6/28/1999	14.45	81507139
6/28/1999	99033	NYG1580526	TSCA concrete from floor	Model City-Niagara Co.	BFC	6/28/1999	13.85	81507144
6/29/1999	99034	NYG1580535	TSCA concrete from floor	Model City-Niagara Co.	HAZMAT	6/29/1999	13.82	81507225
6/29/1999	99035	NYG1580544	TSCA concrete from floor	Model City-Niagara Co.	HAZMAT	6/29/1999	16.47	81507243
6/29/1999	99036	NYG1580562	TSCA concrete from floor	Model City-Niagara Co.	BFC	6/29/1999	19.3	81507230
6/29/1999	99037	NYG1580571	TSCA concrete from floor	Model City-Niagara Co.	HAZMAT	6/29/1999	20.89	81507244
6/29/1999	99038	NYG1580589	TSCA concrete from floor	Model City-Niagara Co.	BFC	6/29/1999	18.17	81507261
6/29/1999	99039	- -	Non-hazardous concrete/debris	High Acres-Monroe Co.	Page	6/30/1999	26.06	19497
6/30/1999	99040	NYG1580598	TSCA concrete from floor	Model City-Niagara Co.	BFC	6/30/1999	20.59	81507364
6/30/1999	99041	NYG1580607	TSCA concrete from floor	Model City-Niagara Co.	BFC	6/30/1999	19	81507359
6/30/1999	99042	- -	Non-hazardous concrete/debris	High Acres-Monroe Co.	Page	6/30/1999	22.48	19572
6/30/1999	99043	- -	Non-hazardous concrete/debris	High Acres-Monroe Co.	Page	6/30/1999	24.28	19600
6/30/1999	99044	- -	Non-hazardous concrete/debris	High Acres-Monroe Co.	Page	6/30/1999	29.79	19663
6/30/1999	99045	- -	Non-hazardous concrete/debris	High Acres-Monroe Co.	Page	6/30/1999	24	19708
6/30/1999	99046	- -	Non-hazardous concrete/debris	High Acres-Monroe Co.	Page	7/1/1999	25.82	19757
7/1/1999	99047	- -	Non-hazardous concrete/debris	High Acres-Monroe Co.	Page	7/2/1999	26.39	20021

Notes: Zone 2 refers to area 2 on south side of the building
"sub D" soils refer to those that were disposed pursuant to RCRA Subtitle D
- - Non-hazardous; manifest not used

TABLE 27

FIELD SCREENING AND LABORATORY PCB ANALYSES
FOR SUMP, PERCHED WATER, AND ON AND OFFSITE SEWER SAMPLES

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Log #	Sample ID	Date	Comments	Depth (ft)	Matrix	PCB Analytical Results (ppm)	
						Test Kit	Laboratory
476	SUMP SLUDGE	8/9/1997	Sludge from sump cleaning, sump outside building.	NA	Sludge	NA	330
498	SUMP-WATER	8/11/1997	Water sample for waste characterization, water collected from sump southwest corner, outside building.	NA	Water	NA	26
506	PERCHED WATER	8/13/1997	Water sample located in gravel layer above clay, west of building.	0-2	Water	NA	2
527	E. MANHOLE	8/19/1997	Sediment sample from manhole along north side of Urban Street. No flow in sewer. Main line flows west. Service from north (from 318 Urban Street).	NA	Sediment	NA	810
528	W. MANHOLE	8/19/1997	Sediment sample from manhole along north side of Urban Street (Belt Line Sewer). Main sewer line flows north (Belt Line). Inlet lines from west and east.	NA	Sediment	NA	□0.5
640	MH-FRENCH ST.	9/17/1997	Water sample taken from manhole north of site on French Street.	NA	Sediment	NA	91
				NA	Water	NA	44
641	MH-FRENCH + MOSSELLE	9/17/1997	Water sample from manhole near Mosselle, on French Street.	NA	Sediment	NA	38
				NA	Water	NA	1.3
642	MH-MOSSELLE	9/17/1997	Water sample from manhole on Mosselle Street, 1 block south of East Ferry.	NA	Sediment	NA	5
				NA	Water	NA	2.8
643	MH-1: BOTTOM	9/29/1997	Sediment sample from bottom of manhole (very little sample matrix present in manhole)	NA	Sediment	NA	0.82

TABLE 27

FIELD SCREENING AND LABORATORY PCB ANALYSES
FOR SUMP, PERCHED WATER, AND ON AND OFFSITE SEWER SAMPLES

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Log #	Sample ID	Date	Comments	Depth (ft)	Matrix	PCB Analytical Results (ppm)	
						Test Kit	Laboratory
644	MH-1:RIM	9/29/1997	Sample of soil at the rim of MH-1 (at grade).	NA	Soil	NA	2.6
645	MH-2:WATER	9/29/1997	Water sample from storm sewer (MH-2) in parking lot (□8" water in bottom of manhole)	NA	Water	NA	1.07
646	MH-2:BOTTOM	9/29/1997	Sediment sample from bottom of storm drain manhole (MH-2)-below 6"-8" water.	NA	Sediment	NA	5.15
647	MH-2:RIM	9/29/1997	Soil sample from rim of MH-2 (storm grate).	NA	Soil	NA	13.2
648	MH-2:SOCK SEDIMENT	9/29/1997	Sample of sediment trapped by "silt sock" at the top of the storm grate (MH-2).	NA	Sediment	NA	25.3
649	MH-2:SOCK FABRIC	9/29/1997	Bulk sample of "silt sock" fabric from MH-2 (storm sewer).	NA	Bulk	NA	1.77
650	MH-3:WATER	9/29/1997	Water sample from storm sewer (MH-3) in parking lot (□8" water in bottom of manhole)	NA	Water	NA	3.1
651	MH-3:BOTTOM	9/29/1997	Sediment sample from bottom of MH-3 (8" water) - storm sewer.	NA	Sediment	NA	7.2
652	MH-3:RIM	9/29/1997	Soil sample from top of rim on MH-3 (storm grate).	NA	Soil	NA	3.59
653	MH-3:SOCK SEDIMENT	9/29/1997	Sediment sample from "silt sock" placed in MH-3 (storm sewer).	NA	Sediment	NA	14.29
654	MH-3:SOCK FABRIC	9/29/1997	Bulk sample of fabric of "silt sock" placed in MH-3 (storm grate).	NA	Bulk	NA	6.22

TABLE 27

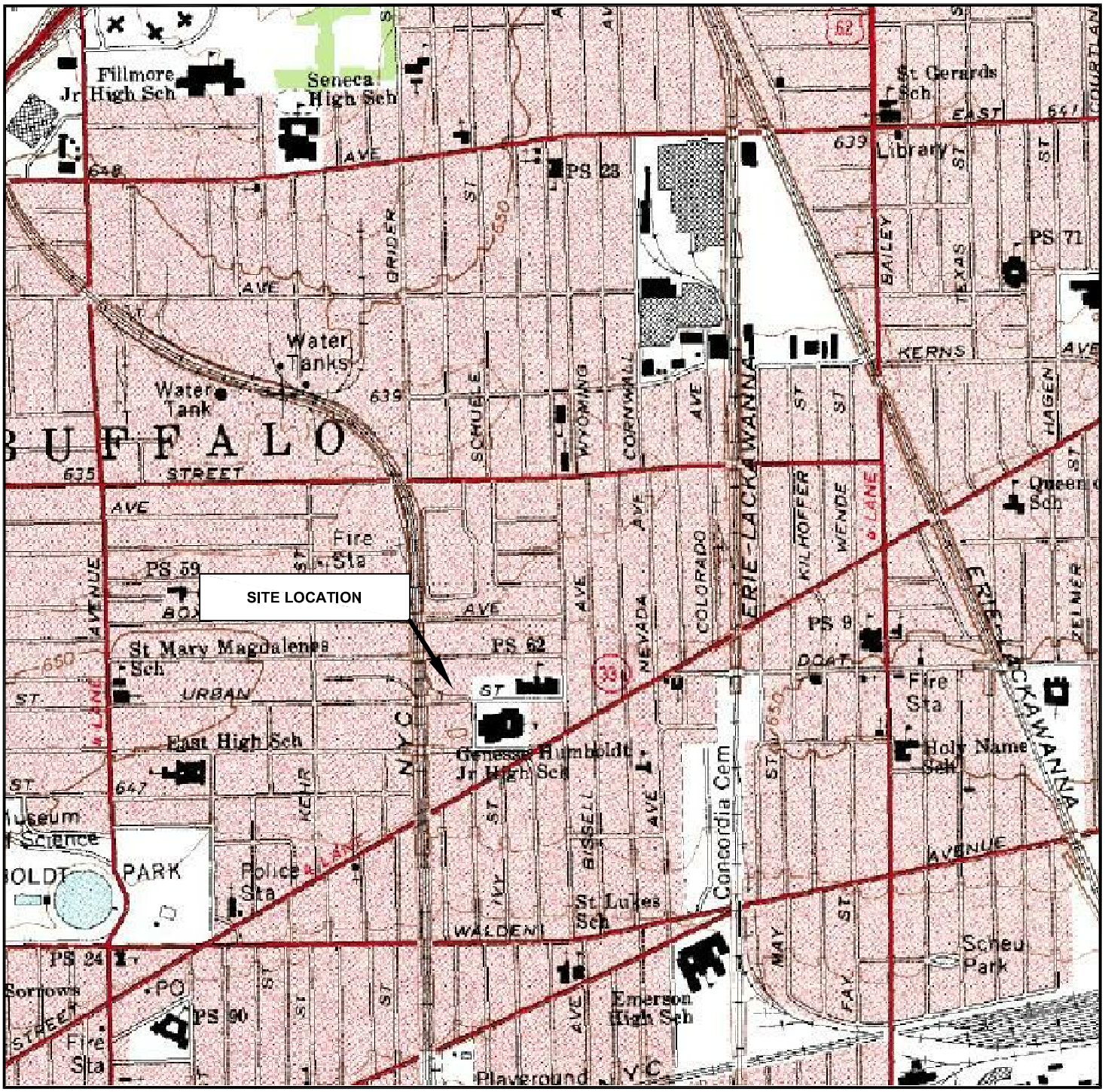
FIELD SCREENING AND LABORATORY PCB ANALYSES
FOR SUMP, PERCHED WATER, AND ON AND OFFSITE SEWER SAMPLES

GENERAL ELECTRIC COMPANY
318 URBAN STREET
BUFFALO, NEW YORK

Log #	Sample ID	Date	Comments	Depth (ft)	Matrix	PCB Analytical Results (ppm)	
						Test Kit	Laboratory
655	MH-4:RIM	9/29/1997	Soil sample from rim of MH-4 (no sediment in bottom of manhole).	NA	Soil	NA	2.06
656	MH-5:BOTTOM	9/29/1997	Sediment sample from bottom of MH-5 (mostly rock matrix).	NA	Sediment	NA	0.95
657	MH-5:RIM	9/29/1997	Soil sample from rim of manhole (MH-5).	NA	Soil	NA	3.25

Notes: The sump location and area where perched water was encountered are shown on Figure 3.
The manhole locations are shown on Figure 12.
Laboratory analysis was performed using EPA Method 8080.
NA Not Analyzed.

FIGURES



N

BASEMAP SOURCE:

USGS 7.5-Minute Topographic Map
Buffalo, NE, New York 1983

0 650 1,300

APPROXIMATE GRAPHIC SCALE IN FEET

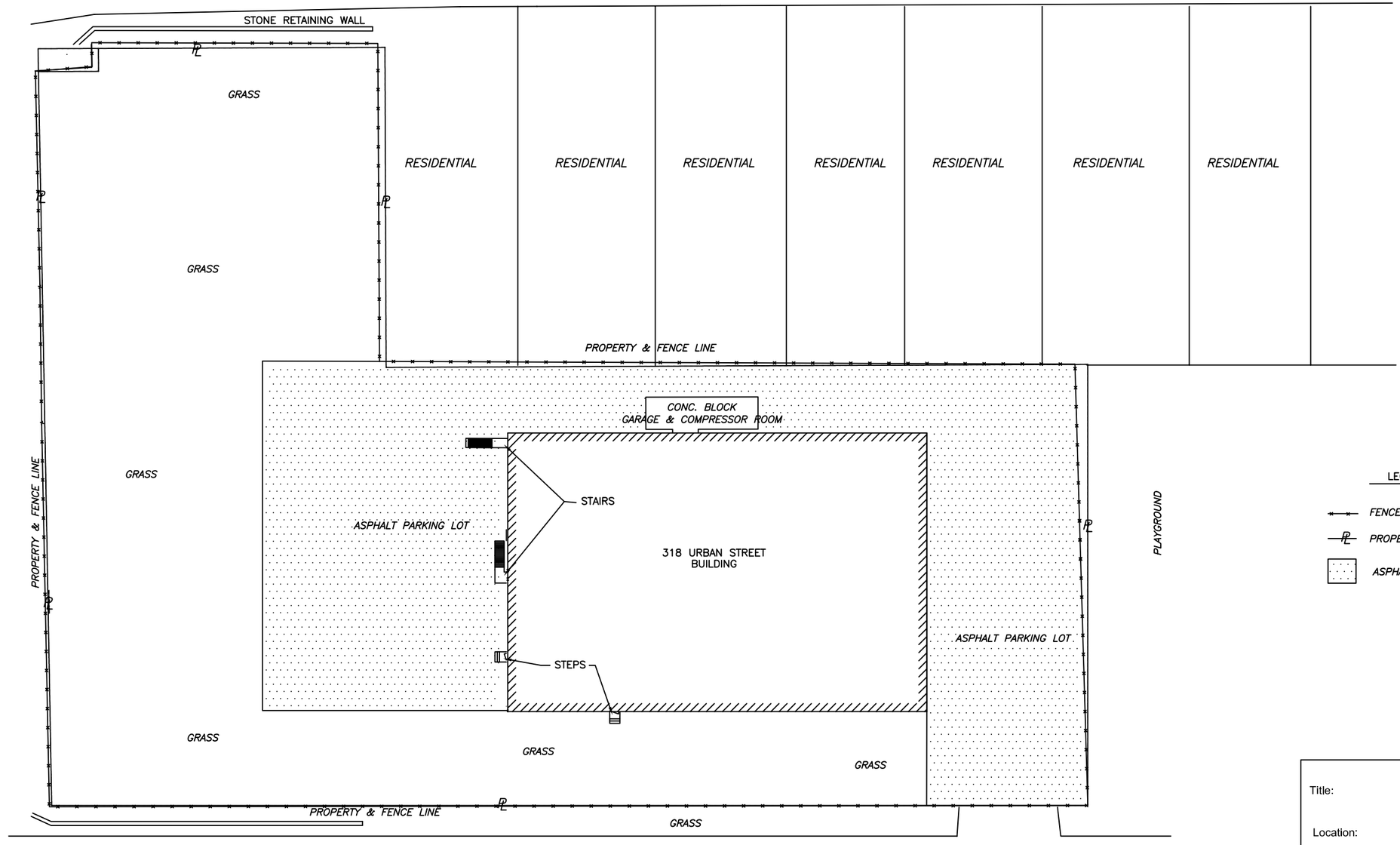
Title:	SITE LOCATION MAP
Location:	318 URBAN STREET BUFFALO, NEW YORK
Client:	GENERAL ELECTRIC COMPANY

URS Corporation
3 Corporate Drive, Suite 203
Clifton Park, New York 12065

Drafter: KP	Date: April 2012
Drg. Size: 8.5 x 11	Job No.: 38394784.30000

FIGURE 1

J:\38394784 GE Urbon Street 2011\Final Eng Rpt - Apr-2012\Figures\Figure 1 Site Location.dwg User:melissa_wasson Apr 02, 2012 - 1:18pm



LEGEND:

- FENCE
- PROPERTY LINE
- ASPHALT PARKING LOT

SOURCE: "FINAL EXCAVATION PLAN", OCTOBER 20, 1997 (REVISED NOVEMBER 10, 1997) BAC KILLAM CONSULTING ENGINEERS, BUFFALO, NEW YORK.

0 25 50
GRAPHIC SCALE IN FEET

Title: FINAL SITE LAYOUT

Location: 318 URBAN STREET BUFFALO, NEW YORK

Client: GENERAL ELECTRIC COMPANY

URS Corporation
3 Corporate Drive, Suite 203
Clifton Park, New York 12065

Drafter: DAD	Date: April 2012
Drg. Size: 11 x 17	Job No.: 38394784.30000

FIGURE 2

N

FRENCH STREET

RESIDENTIAL | RESIDENTIAL | RESIDENTIAL | RESIDENTIAL | RESIDENTIAL | RESIDENTIAL | RESIDENTIAL

CONRAIL TRACKS

FENCE FOR RR SPUR (REMOVED)

NEW FENCE (1997)

CONCRETE PAD FOR SHED (REMOVED)

PLAYGROUND

WINDOWS REMOVED (ALL 4 WALLS)

WEST MEZZANINE LUNCH AREA (REMOVED)

TRANSFORMER PIT (CLEANED & FILLED)

UTILITY POLE WITH 3 TRANSFORMERS (REMOVED)

CONCRETE SUBFLOOR (REMOVED)

EAST OFFICE AND MEZZANINE FIRST FLOOR ASBESTOS FLOOR TILES (REMOVED)

FORMER RESTROOM (REMOVED)

WOOD SHED ON LOADING DOCK (REMOVED)

LOADING DOCK

SHOP OFFICE (REMOVED)

WOOD BLOCK FLOOR SURFACE AND CONCRETE SUBFLOOR (REMOVED)

OVERHEAD AIR-CELL PIPE INSULATION (REMOVED)

12" DRAIN TILE (REMOVED)

PAINT BOOTH VENT STACK (REMOVED)

GROUND PLATES (REMOVED)

UTILITY POLE (REMOVED)

PAINT BOOTH (REMOVED)

TRANSITE CANOPY (REMOVED)

SUMP (REMOVED)

RAIL SPUR BEDDING (REMOVED)

AREA WHERE PERCHED WATER ENCOUNTERED (REMOVED)

FUEL OIL UST (REMOVED)

LOADING DOCK (REMOVED)

FLAG POLE (REMOVED)

FORMER SUMP CONNECTION TO SEWER (PLUGGED)

URBAN STREET

LEGEND

- PROPERTY LINE
- FENCE LINE
- AREAS OF BUILDING INTERIOR STRUCTURES–REMOVED
- TRANSITE CANOPY–REMOVED
- RAIL SPUR BEDDING–REMOVED
- CONCRETE LOADING DOCK–REMOVED

0 25 50

GRAPHIC SCALE IN FEET

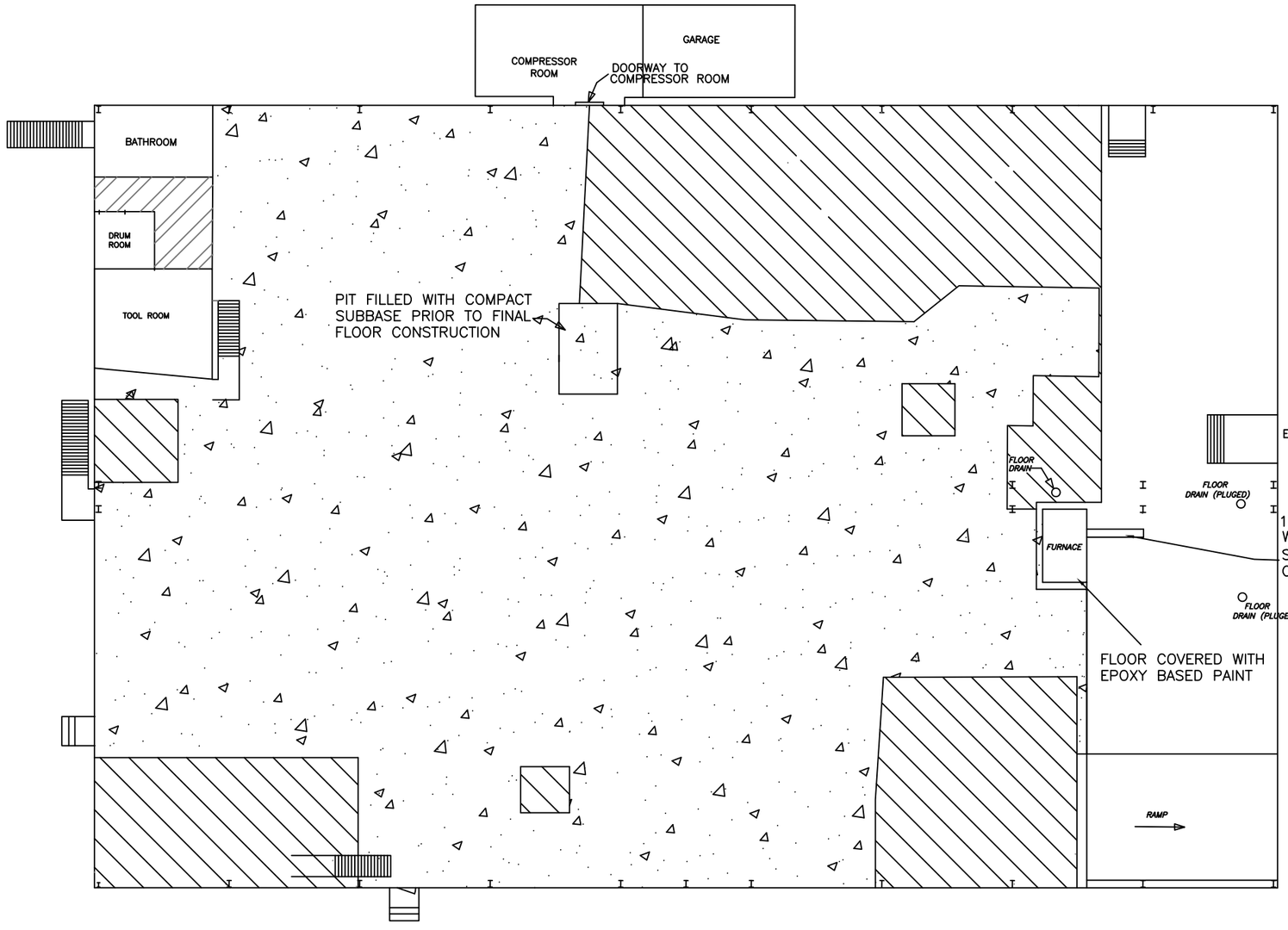
Title:	SITE PLAN SHOWING INTERIOR AND EXTERIOR DEMOLITION AREAS
Location:	318 URBAN STREET BUFFALO, NEW YORK
Client:	GENERAL ELECTRIC COMPANY

URS Corporation
3 Corporate Drive, Suite 203
Clifton Park, New York 12065

Drafter: DAD	Date: April 2012
Drg. Size: 11 x 17	Job No.: 38394784.30000

FIGURE 3

J:\38394784 GE Urban Street 2011\Final Eng Rpt - Apr-2012\Figures\Fig 3 Site Plan Demolition Areas.dwg User:Carrie_Szczepanski Apr 19, 2012 - 4:29pm



N

LEGEND

- – EXISTING SLAB NO CONCRETE REMOVED OR ADDED
- – EXISTING CONCRETE SLAB REMOVED (6" THICK) AND REPLACED WITH A NEW 8" THICK SLAB TO MATCH FINAL FLOOR ELEVATION
- – EXISTING CONCRETE SLAB REMOVED (9" THICK) AND REPLACED WITH A NEW 8" THICK SLAB TO MATCH FINAL FLOOR ELEVATION
- – 3" OF CONCRETE PLACED OVER EXISTING CONCRETE TO MATCH FINAL FLOOR ELEVATION

NOTE: FLOOR ALSO REPLACED OVER PIPE TRENCH, WHICH IS DEPICTED ON FIGURE 5.

0 10 20
GRAPHIC SCALE IN FEET

Title: BUILDING FLOOR REPLACMENT

Location: 318 URBAN STREET BUFFALO, NEW YORK

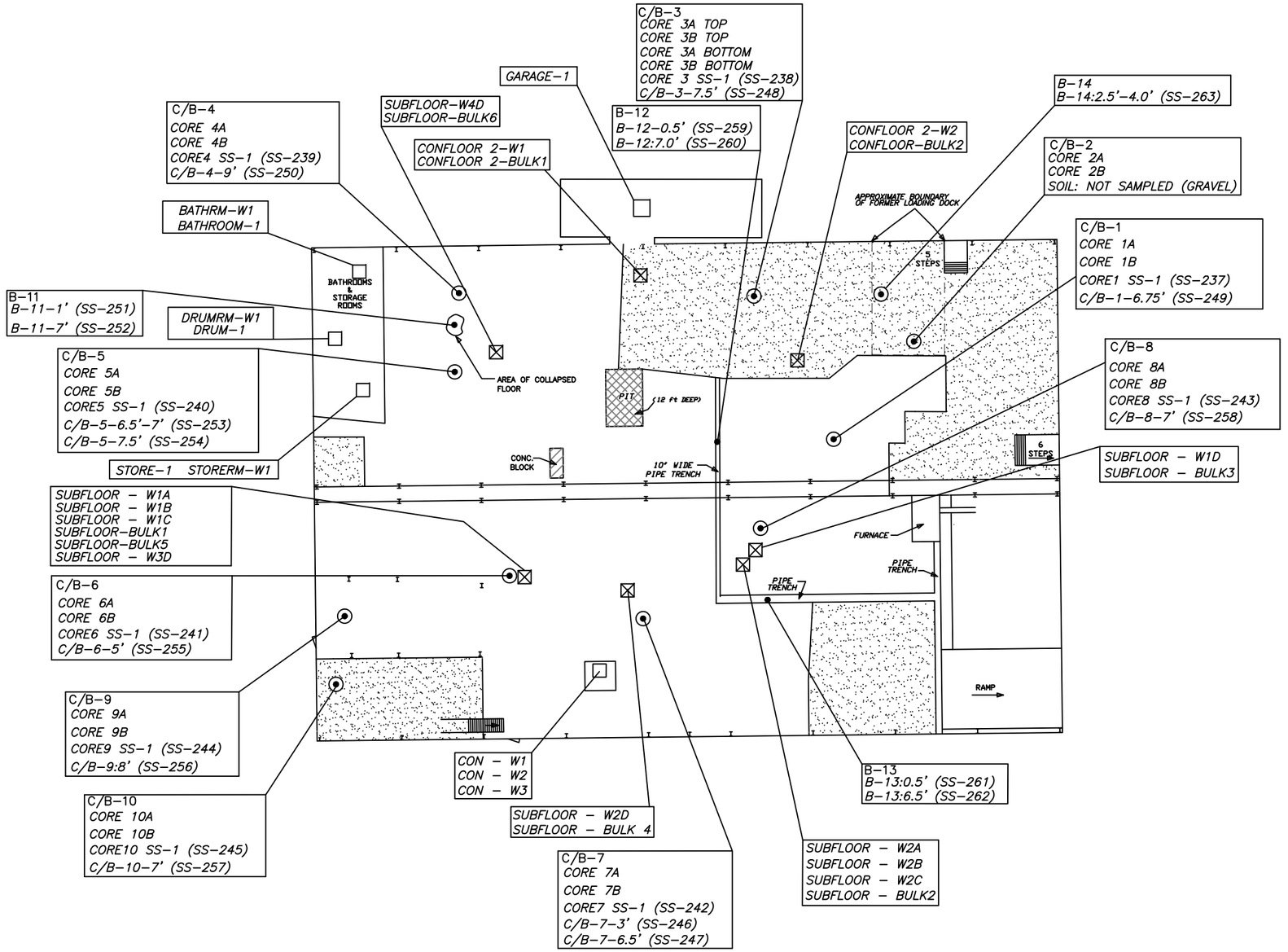
Client: GENERAL ELECTRIC COMPANY

URS Corporation
3 Corporate Drive, Suite 203
Clifton Park, New York 12065

Drafter: DAD | Date: April 2012
Drg. Size: 11 x 17 | Job No.: 38394784.30000

FIGURE 4

J:\38394784 GE Urban Street 2011\Final Eng Rpt – Apr-2012\Figures\Fig 4 Building Floor Replacement.dwg User:Carrie_Szczepanski Apr 19, 2012 – 4:50pm



LEGEND

- ⊙ – CONCRETE CORE WITH GEOPROBE BORING
- ● – GEOPROBE BORING
- ⊠ – WIPE WITH CONCRETE CHIP SAMPLE
- □ – WIPE SAMPLE OF CONCRETE
- ▨ – 3-INCH THICK CONCRETE SLAB
- ▩ – PIT CLEANED AND FILLED

NOTES:
1. WEST MEZZANINE, BOILER/COMPRESSOR ROOM, WALLS, CEILING, EQUIPMENT FLOOR WIPE SAMPLES ARE NOT SHOWN.
2. PCB WIPE SAMPLE RESULTS ARE SUMMARIZED ON TABLE 7.
   PCB RESULTS FOR BULK SAMPLES OF BUILDING FLOOR AND SUBFLOOR ARE SUMMARIZED ON TABLE 8.
   PCB SAMPLE RESULTS FOR SOIL BENEATH THE BUILDING ARE SUMMARIZED ON TABLE 9.

SOURCE: "EXISTING FLOOR PLAN, 318 URBAN STREET, BUFFALO NY" (SEPTEMBER 5, 1997) AS PROVIDED BY BACKillam ENGINEERS, BUFFALO, NY.

0 15 30
GRAPHIC SCALE IN FEET

Title: SELECT BUILDING FLOOR SAMPLES

Location: 318 URBAN STREET
BUFFALO, NEW YORK

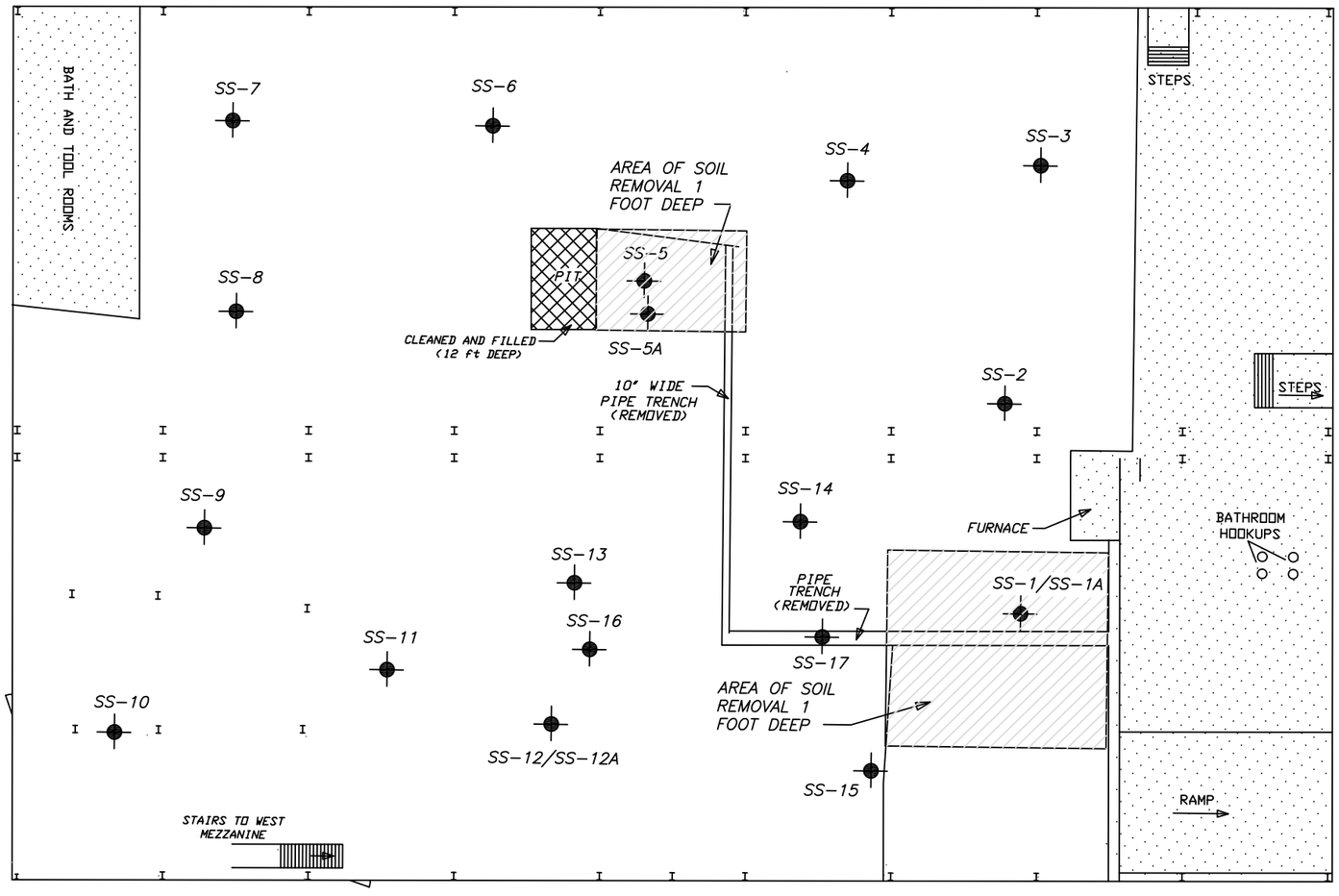
Client: GENERAL ELECTRIC COMPANY

URS Corporation
3 Corporate Drive, Suite 203
Clifton Park, New York 12065

Drafter: DAD	Date: April 2012
Drg. Size: 11 x 17	Job No.: 38394784.30000

FIGURE 5

J:\38394784 GE Urban Street 2011\Final Eng Rpt - Apr-2012\Figures\Fig 5 Building Floor Sampling Locs.dwg User:Corrie_Szczepanski Apr 19, 2012 - 5:22pm



NOTE: PCB SAMPLE RESULTS ARE SUMMARIZED ON TABLE 9.

N

LEGEND

SS-13 — SUBGRADE SOIL SAMPLE LOCATION

AREA OF SOIL REMOVAL

CONCRETE FLOOR REMAINING

PIT – CLEANED AND FILLED

0 10 20

GRAPHIC SCALE IN FEET

Title: CONCRETE & SUBGRADE SOIL CONFIRMATORY SAMPLE LOCATIONS AFTER FLOOR REMOVAL

Location: 318 URBAN STREET BUFFALO, NEW YORK

Client: GENERAL ELECTRIC COMPANY

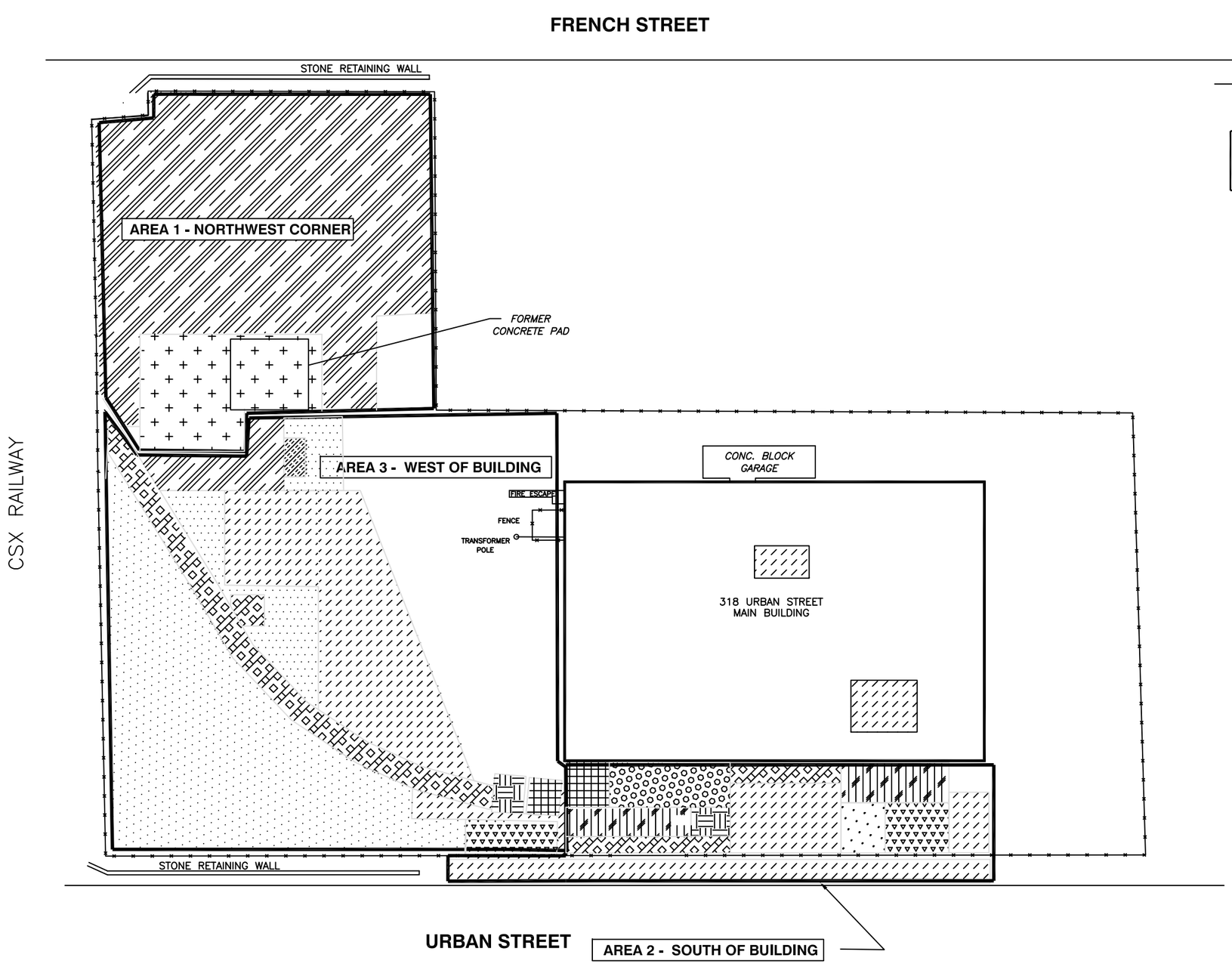
URS Corporation
3 Corporate Drive, Suite 203
Clifton Park, New York 12065

Drafter: DAD | Date: April 2012

Drg. Size: 11 x 17 | Job No.: 38394784.30000

FIGURE 6

J:\38394784 GE Urban Street 2011\Final Eng Rpt - Apr-2012\Figures\Fig 6 Soil Confirmatory Sample Locs.dwg User:Carrie_Szczepanski Apr 19, 2012 - 4:31pm



N

LEGEND

x — FENCE LINE

AREA 1 — EXCAVATION AREA

EXCAVATION DEPTH

- NO EXCAVATION
- LESS THAN 0.5 FEET
- 1.0 FEET
- 1.0 – 2.0 FEET (VARIES)
- 2.0 FEET
- 3.0 FEET
- 2.0 TO 5.0 FEET (VARIES)
- 4.0 FEET
- 5.0 FEET
- 6.0 FEET
- 8.0 FEET
- 12.0 FEET
- 15.0 FEET

SOURCE: "FINAL EXCAVATION PLAN", OCTOBER 20, 1997 (REVISED NOVEMBER 10, 1997) BAC KILLAM CONSULTING ENGINEERS, BUFFALO, NEW YORK.

0 25 50
GRAPHIC SCALE IN FEET

Title: SITE PLAN SHOWING FINAL EXCAVATION DEPTHS

Location: 318 URBAN STREET BUFFALO, NEW YORK

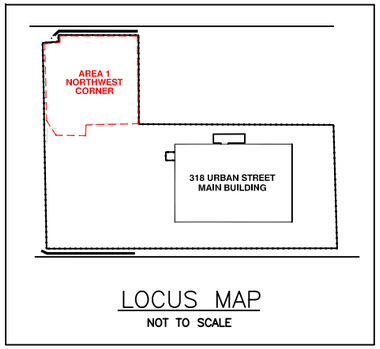
Client: GENERAL ELECTRIC COMPANY

URS Corporation
3 Corporate Drive, Suite 203
Clifton Park, New York 12065

Drafter: DAD | Date: April 2012
Drg. Size: 11 x 17 | Job No.: 38394784.30000

FIGURE 7

J:\38394784 GE Urban Street 2011\Final Eng Rpt – Apr–2012\Figures\Fig 7 Site Plan Excavation Depths.dwg User:Carrie_Szczepanski Apr 19, 2012 – 4:53pm



LOCUS MAP
NOT TO SCALE

FRENCH STREET

STONE RETAINING WALL

CSX RAILWAY

SS-26 SS-25 SS-24 SS-27 SS-28 SS-29 SS-77 SS-69 SS-70 SS-78 SS-94 SS-71 SS-95 SS-89 SS-106 SS-139 SS-109 SS-159 SS-124 SS-11 SS-88 SS-138 SS-108 SS-158 SS-207 SS-202 SS-205 SS-206 SS-204 SS-209 SS-211 SS-208 SS-210

CONCRETE PAD FROM SHED FLOOR (REMOVED)

N

LEGEND

- FENCE LINE
- EXCAVATION AREA
- SS-94 FINAL CONFIRMATION SAMPLE LOCATION
- CONCRETE PIER

EXCAVATION DEPTH

- NO EXCAVATION
- 1 FOOT OR MORE

NOTE:
PCB SAMPLE RESULTS ARE SUMMARIZED ON TABLES 11 AND 12.

SOURCE:
"FINAL EXCAVATION PLAN", OCTOBER 20, 1997 (REVISED NOVEMBER 10, 1997) BAC KILLAM CONSULTING ENGINEERS, BUFFALO, NEW YORK.

0 10 20
GRAPHIC SCALE IN FEET

Title:	AREA 1 PLAN - FINAL PCB CONFIRMATION SAMPLES
Location:	318 URBAN STREET BUFFALO, NEW YORK
Client:	GENERAL ELECTRIC COMPANY

URS Corporation
3 Corporate Drive, Suite 203
Clifton Park, New York 12065

Drafter: KP	Date: April 2012
Drg. Size: 11 x 17	Job No.: 38394784.30000

FIGURE 8

J:\38394784 GE Urban Street 2011\Final Eng Rpt - Apr-2012\Figures\Fig 8 Area 1 Plan.dwg User:Corrie_Szczepanski Apr 19, 2012 - 4:55pm

FRENCH STREET

N

SS-104
SS-103
SS-165
CONCRETE PAD FROM SHED FLOOR (REMOVED)

SOIL REMAINING ALONG FOUNDATION WITH CONCENTRATIONS OF VOCS ABOVE CLEANUP LEVELS

SS-137
SS-146
SS-82
SS-76
SS-2
SS-150
SS-153
SS-151
SS-152
SS-154
SS-55
SS-60
SS-59
SS-49
SS-53
SS-56
SS-54
SS-52
SS-58
SS-48

URBAN STREET

LEGEND

- PROPERTY LINE
- FENCE LINE
- AREAS WHERE VOCS WERE DETECTED IN SOIL AND SOIL WAS REMOVED TO MEET CLEANUP LEVELS
- APPROXIMATE AREA OF SOIL WITH VOCS ABOVE CLEANUP LEVELS REMAINING ALONG BUILDING FOUNDATION
- SS-146 — VOC SAMPLE LOCATION REPRESENTS REMAINING CONDITIONS
- SS-2 — VOC SAMPLE LOCATION SAMPLE FOR REMOVED SOIL

NOTE: TCLP RESULTS SUMMARIZED ON TABLES 13,17, AND 21.
TCL VOC RESULTS SUMMARIZED ON TABLE 14.
VOC RESULTS SUMMARIZED ON TABLES 18, 20, AND 25.

0 20 40
GRAPHIC SCALE IN FEET

Title: SITE PLAN SHOWING VOC SAMPLING LOCATIONS

Location: 318 URBAN STREET BUFFALO, NEW YORK

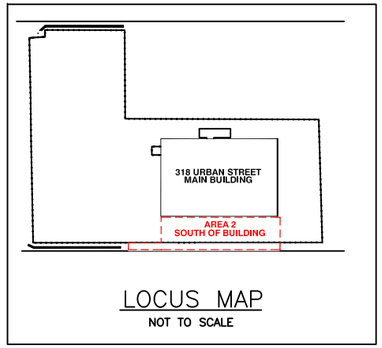
Client: GENERAL ELECTRIC COMPANY

URS Corporation
3 Corporate Drive, Suite 203
Clifton Park, New York 12065

Drafter: KP | Date: May 2012
Drg. Size: 11 x 17 | Job No.: 38394784.30000

FIGURE 9

J:\38394784 GE Urban Street 2011\Final Eng Rpt - May-2012\Figures\Rev Fig 9.dwg Username\e__szczepanski May 25, 2012 - 10:32am



LOCUS MAP
NOT TO SCALE

318 URBAN STREET
MAIN BUILDING

N

SS-147 SS-137 SS-82 SS-146 SS-111 SS-113 SS-76 SS-38 SS-143 SS-112 SS-57 SS-144 SS-83 SS-55 SS-30 SS-117 SS-114 SS-50 SS-121 SS-54 SS-49 SS-52 SS-56 SS-119 SS-116 SS-115 SS-81 SS-48 SS-35 SS-40 SS-191 SS-197 SS-196 SS-195 SS-194 SS-193 SS-192 SS-198 SS-72

FORMER TANK PIT
AREA

URBAN STREET

LEGEND

—— x —— FENCE LINE

EXCAVATION AREA

SS-147 FINAL CONFIRMATION SAMPLE LOCATION

EXCAVATION DEPTH

NO EXCAVATION

1 FOOT OR MORE

NOTE: PCB RESULTS ARE SUMMARIZED ON TABLES 15 AND 16.

SOURCE:

"FINAL EXCAVATION PLAN", OCTOBER 20, 1997 (REVISED NOVEMBER 10, 1997) BAC KILLAM CONSULTING ENGINEERS, BUFFALO, NEW YORK.

0 10 20
GRAPHIC SCALE IN FEET

Title: AREA 2 PLAN - FINAL PCB CONFIRMATION SAMPLES

Location: 318 URBAN STREET BUFFALO, NEW YORK

Client: GENERAL ELECTRIC COMPANY

URS Corporation
3 Corporate Drive, Suite 203
Clifton Park, New York 12065

Drafter: DAD | Date: April 2012
Drg. Size: 11 x 17 | Job No.: 38394784.30000

FIGURE 10

N

SS-229
SS-230
SS-228
SS-231
SS-226
SS-203
SS-232
SS-234
SS-181
SS-212
SS-233
SS-180
SS-215
SS-166
SS-216
SS-136
SS-214
SS-213
SS-172
SS-235
SS-130
SS-135
SS-128
SS-236
SS-178
SS-221
SS-223
SS-222
SS-110
SS-127
SS-170
SS-177
SS-173
SS-219
SS-155
SS-220
SS-217
SS-156
SS-150
SS-154
SS-163
SS-161
SS-152
SS-157
SS-151
SS-149
SS-148

FIRE ESCAPE

FENCE

TRANSFORMER POLE

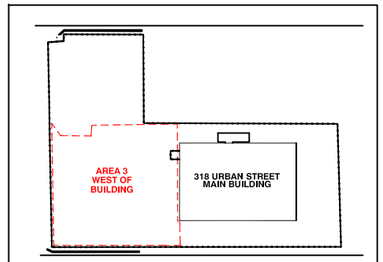
12" DRAIN TILE (REMOVED)

SUMP (REMOVED)

STONE RETAINING WALL

FUEL OIL UST (REMOVED)

FORMER SUMP CONNECTION TO SEWER (PLUGGED)



LOCUS MAP
NOT TO SCALE

LEGEND

FENCE LINE

EXCAVATION AREA

SS-127 FINAL CONFIRMATION SAMPLE LOCATION

EXCAVATION DEPTH

NO EXCAVATION

LESS THAN 1 FOOT

1 FOOT OR MORE

SOURCE:

"FINAL EXCAVATION PLAN", OCTOBER 20, 1997 (REVISED NOVEMBER 10, 1997) BAC KILLAM CONSULTING ENGINEERS, BUFFALO, NEW YORK.

NOTE:

PCB SAMPLES ARE SUMMARIZED ON TABLES 22 AND 23.

0 10 20
GRAPHIC SCALE IN FEET

Title: AREA 3 PLAN - FINAL PCB CONFIRMATION SAMPLES

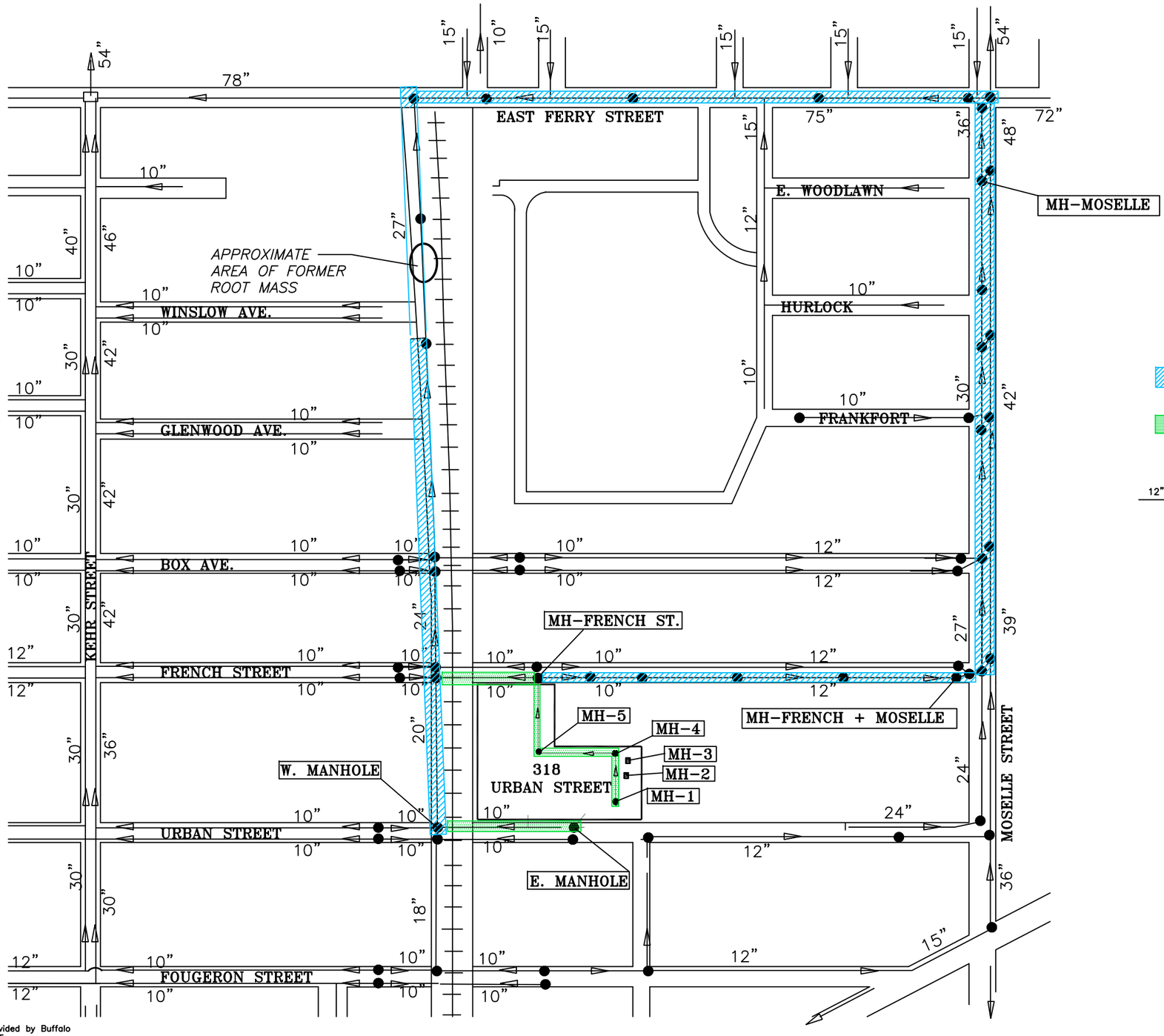
Location: 318 URBAN STREET BUFFALO, NEW YORK

Client: GENERAL ELECTRIC COMPANY

URS
URS Corporation
3 Corporate Drive, Suite 203
Clifton Park, New York 12065

Drafter: KP | Date: April 2012
Drg. Size: 11 x 17 | Job No.: 38394784.30000

FIGURE 11



LEGEND

- SEWER CLEANING (ERM 1996)
- SEWER CLEANING (D&M1998)
- 12" — SEWER PIPE DIAMETER / APPROXIMATE PIPE LOCAITON / FLOW DIRECTION
- NOTE: MANHOLES SHOWN ONLY WHERE OBSERVED
- CATCH BASIN
- MH-3 — 1997 SEWER SAMPLE LOCATION

NOTE: 1997 SEWER SAMPLING RESULTS ARE SUMMARIZED ON TABLE 27.

Adapted from sewer maps and profiles provided by Buffalo Sewer Authority including Drawing No. S4075, New York Central R.R. – Belt Line Sewer (Built by Grade Crossing Commission – 1910).
Adapted from ERM–Northeast Drawing Nos. C–6, Railroad Sewer Plan 3/30/97, and CL–009, Off–Site Sewer Cleaning Location Vicinity of 318 Urban Street Buffalo, New York 7/26/96. Both drawings are from the Project Manual, Building Decontamination and Soil Remediation, 318 Urban Street, March 25, 1997.

0 200 400
GRAPHIC SCALE IN FEET

Title: 1997 SEWER SAMPLING LOCATIONS AND SAMPLE ID'S

Location: 318 URBAN STREET BUFFALO, NEW YORK

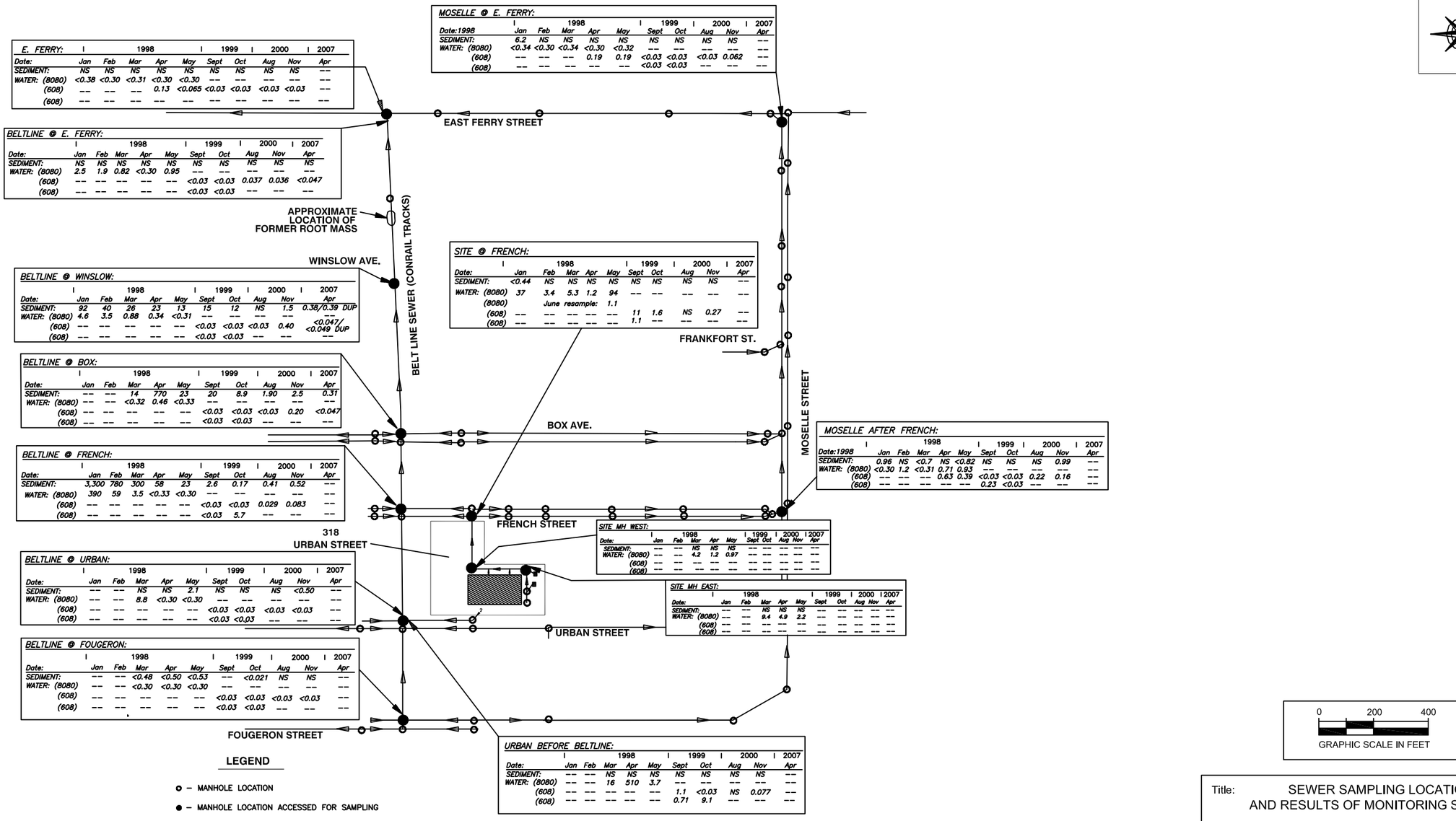
Client: GENERAL ELECTRIC COMPANY

URS Corporation
3 Corporate Drive, Suite 203
Clifton Park, New York 12065

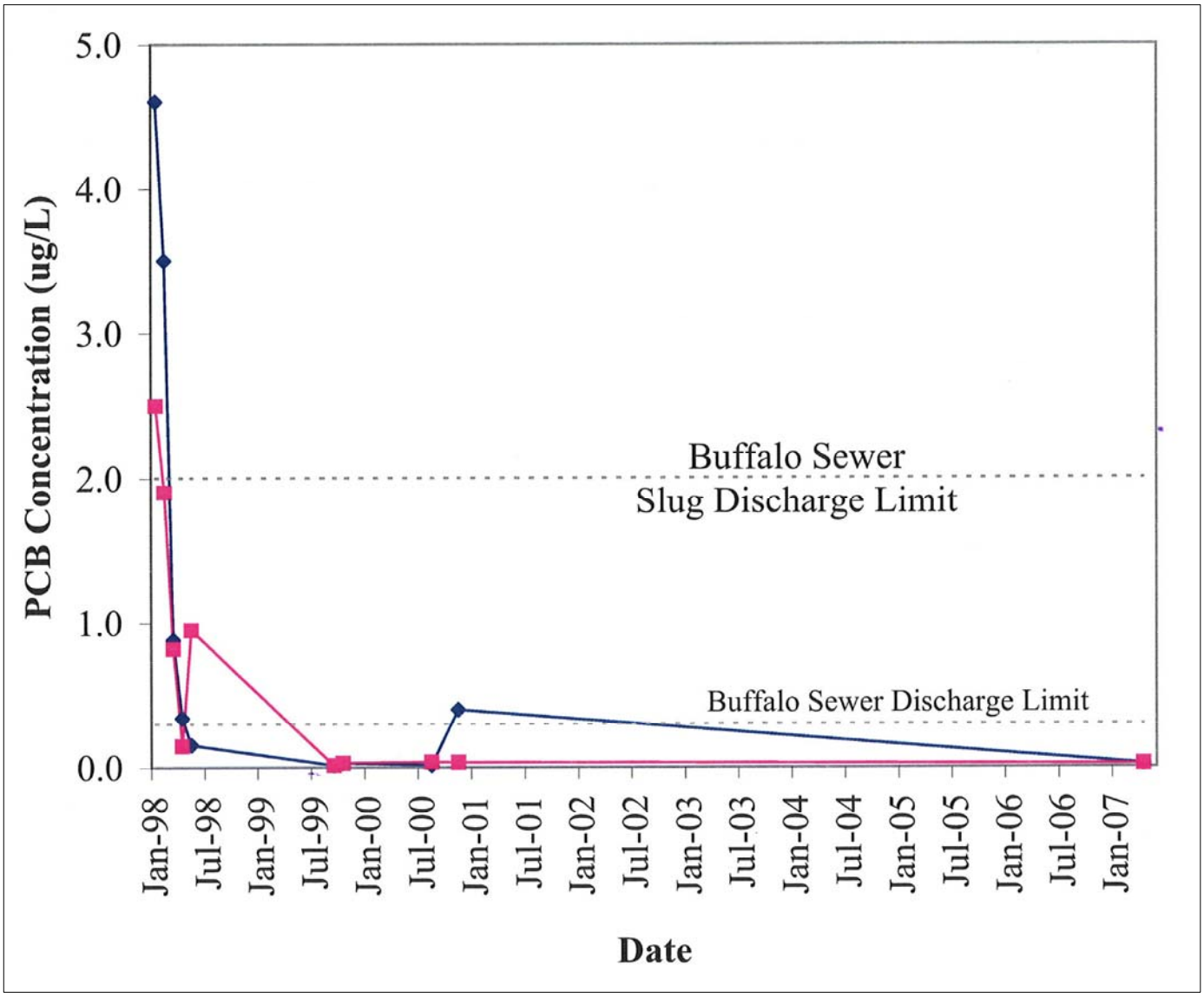
Drafter: DAD | Date: April 2012
Drg. Size: 11 x 17 | Job No.: 38394784.30000

FIGURE 12

J:\38394784 GE Urban Street 2011\Final Eng Rpt – Apr–2012\Figures\Fig 12 Vicinity Sewer Layout.dwg User:Carrie_Szczepanski Apr 19, 2012 – 5:04pm



J:\38394784 GE Urban Street 2011\Final Eng Rpt – Apr–2012\Figures\Fig 13 Sewer Sampling Locations with DATA.dwg User:Carrie_Szczepanski Apr 19, 2012 – 5:05pm



Legend

- Belt Line At Winslow Avenue
- Belt Line At East Ferry Street

Title: PCB CONCENTRATIONS IN BELT LINE SEWER AT WINSLOW AVENUE AND EAST FERRY STREET

Location: 318 URBAN STREET BUFFALO, NEW YORK

Client: GENERAL ELECTRIC COMPANY

URS Corporation
3 Corporate Drive, Suite 203
Clifton Park, New York 12065

Drafter: KP	Date: April 2012
Drg. Size: 8.5 x 11	Job No.: 38394784.30000

FIGURE 14