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MCP Supplemental Phase II/RCRA Facility Investigation Report for Lyman Street/USEPA Area 5A Site

General Electric Company
Pittsfield, Massachusetts

June 1996

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BLASLAND, BOUCK & LEE, INC.
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1. Introduction

1.1 General

This report has been prepared on behalf of the General Electric Company (GE) by Blasland, Bouck & Lee, Inc., (BBL) to meet two sets of requirements applicable to GE facility in Pittsfield, Massachusetts. First, the report constitutes a Phase II Report on a Comprehensive Site Assessment on the Lyman Street Parking Lot Site (former Oxbow Area D), as required by the Massachusetts Department of Environmental Protection (MDEP), pursuant to the Massachusetts Contingency Plan (MCP) and a Consent Order executed by GE and the MDEP in May 1990. This site is designated by the MDEP as the Lyman Street Parking Lot/Oxbow Area E Site (ID# 1-0856).

Second, this document constitutes a RCRA Facility Investigation (RFI) Report for the area designated as USEPA Area 5A, pursuant to the requirements of a permit (the "Permit") issued to GE by the United States Environmental Protection Agency (USEPA) under the corrective-action provisions of the Resource Conservation and Recovery Act (RCRA) as amended by the Hazardous and Solid Waste Amendments of 1984 (HSWA). The Permit was originally issued in February 1991 and was reissued, as modified, effective January 3, 1994. The general location of the site is illustrated on Figure 1-1.

As originally described in the *MCP Phase II Scope of Work (SOW) for Lyman Street Parking Lot (Oxbow Area D) and Proposal for an RFI of USEPA Area 5A* (Phase II/RFI Proposal) (BBL, February 1994b), the extent of the MDEP-designated Lyman Street Parking Lot Site and the USEPA-designated Area 5A were coextensive and consisted of the Lyman Street parking lot, a strip of land along the riverbank to the south of the Lyman Street parking lot, and a portion of GE Lot No. 2 to the north of the Lyman Street parking lot.

Immediately to the east of this area lies former Oxbow Area E which was the subject of various investigative activities pursuant to the MCP Phase II SOW for the Housatonic River and Silver Lake as described in the report entitled *MCP Phase I and Interim Phase II Report for Former Housatonic River Oxbow Areas A, B, C, E, F, J, and K* (Blasland & Bouck Engineers, P.C., (B&B), April 1992). However, during completion of a Release Abatement Measure in November, 1994 for installation of a pipeline across the parcel owned by the Western Massachusetts Electric Company (WMEC) to the east of the Lyman Street parking lot, which contains former Oxbow Area E, GE conducted sampling for polychlorinated biphenyls (PCBs) and found concentrations up to 3,600 parts per million (ppm) within the top two feet of soil (Golder Associates, May 1995). In response to these findings, GE initiated an Immediate Response Action (IRA) which included the installation of a temporary fence and additional soil sampling in the WMEC parcel. In late December 1994, surficial soil samples collected along the pipeline route (LS-GWP-6 through LS-GWP-16) indicated the presence of PCBs in concentrations ranging from 13 to 150 ppm, in areas contiguous to the Lyman Street parking lot. Based on these findings, the MDEP decided, in a letter to GE dated April 6, 1995, that the WMEC parcel, including Oxbow Area E, would be considered as part of the Lyman Street Parking Lot Site. This expanded site is referred to as the Lyman Street Parking Lot/Oxbow Area E Site in this document. The expanded site is shown on Figure 1-2 and also includes the full extent of the two smaller areas to the north of the Lyman Street parking lot, GE Lots No. 1 and 2.

Under the Permit, the USEPA's jurisdiction, as it relates to the Lyman Street area, is limited to the Lyman Street parking lot site, the strip of land along the riverbank south of the parking lot, and GE Lots No. 1 and 2. Thus, activities conducted by GE in these areas are subject to joint agency review under the Memorandum of Understanding (MOU) that was executed between the MDEP and USEPA (the "Agencies") to provide for coordination between them in reviewing GE's submittals. USEPA's jurisdiction does not, however, include former Oxbow Area E or the surrounding WMEC parcel since the related properties are not owned by GE and the constituents found on these properties are not the result of migration from GE property, but rather the result of filling activities. This area thus remains under the sole regulatory jurisdiction of the MDEP under the MCP.

The purpose of this document is the presentation and evaluation of data generated pursuant to the Phase II/RFI Proposal (BBL, February 1994), the Revised Phase II/RFI Proposal (Golder Associates, January 1995), and the Addendum to the Revised Phase II/RFI Proposal (Golder Associates, May 1995), as conditionally approved by the MDEP and USEPA via letters to GE dated April 6 and May 30, 1995. Data previously reported in the *MCP Phase I Report for Lyman Street Parking Lot (Oxbow Area D) and Current Assessment Summary for USEPA Area 5A* (BBL, February 1994a) (hereafter referred to as the "Phase I Report/CAS") have been appropriately incorporated as part of these evaluations. That document, in its entirety, is incorporated by reference herein.

Moreover, as directed by the Agencies, this report presents summaries of all data (whether collected prior to the MCP, in previous MCP Phase I activities, or as part of the recent Phase II/RFI activities) for each medium of interest. Summary tables and maps included in this report present such data in a combined fashion where appropriate.

1.2 Background Information

Prior to about 1940, the stretch of the Housatonic River which flows through Pittsfield, Massachusetts, was characterized as a meandering stream. As such, the river contained a series of alternating bends, or oxbows, as well as lowland areas.

In an effort to reduce the flooding potential of the Housatonic River, the City of Pittsfield, in a joint program with the U.S. Army Corps of Engineers during the late 1930s and/or early 1940s, altered the natural course of the river to form a relatively straight channel. In order to accomplish this, a total of 11 oxbows or low-lying areas, which had previously conveyed river flows, were deliberately isolated from the newly formed channel of the river.

These former oxbows were subsequently filled with various materials. There are no known records as to the specific sources or types of material used as fill (apart from recent sampling data). Oxbow Area D, one of the 11 areas which had been isolated from the river channel and then filled, was later paved for use as the existing Lyman Street parking lot. This lot is surrounded by a high fence, except along the steep and vegetated riverbank (where a guardrail is present). The parking lot was used for parking for GE employees until GE closed the lot in April 1992 and locked the gates to further restrict access. The lot is paved except for several grass strips. The northwestern portions of GE Lots No. 1 and 2, located immediately to the north of the Lyman Street parking lot, are presently paved. The remainder of the parcels are unpaved and vacant. Oxbow Area E has been subject to little development except for maintenance of an overhead powerline utility right-of-way. Currently Oxbow Area E and the WMEC parcel are mainly covered by grass and brush. With the exception of the northern half of the WMEC parcel and along the riverbank (where there is a guardrail), all four of these areas are surrounded by locked, chain link fence. GE is also considering expanding the fence around the WMEC parcel to include the northern portion of that parcel.

1.3 History of Investigations

A significant number of investigations have been conducted at and near the Lyman Street Parking Lot/Oxbow Area E Site . A summary of studies performed to date is presented in Table 1-1. A brief discussion of these studies, along with a history of the Agencies' review of site activities, is provided below.

Between August 1986 and May 1987, GE conducted three separate investigations in the vicinity of the Lyman Street parking lot to assess groundwater and/or soil quality at the site. In August 1986, four soil borings were completed in GE Lot No. 1 with the deepest to a depth of 16 feet. Soil samples were collected at 2-foot intervals and screened with a portable organic analyzer (HNU). Additionally, two temporary monitoring wells were installed with one groundwater sample collected from each and analyzed for VOCs. At both wells, only tetrachloroethene (0.024-0.027 ppm) was detected above quantitation limits (Geraghty & Miller, November 1986).

Five soil borings were completed in November 1986 in GE Lot No. 2 with the deepest to a depth of 18 feet. Soil samples were collected at 2-foot intervals and screened with a portable organic analyzer (TIP).

Groundwater samples from two temporary wells were analyzed for VOCs. The results indicated the presence of several VOCs, with tetrachloroethene having the highest concentration of 0.023 ppm (Geraghty & Miller, January 1987).

The third investigation, completed in May 1987, consisted of the completion of five soil borings (to a depth of 20 feet) in the northern corner of the Lyman Street parking lot and one soil boring in GE Lot No. 2. Soil samples were collected at 2-foot intervals and screened using a HNU. Oil sheens were noted in soil samples from borings SB-2 through SB-5 (Geraghty & Miller, June 1987).

In October 1988, wellpoints were installed adjacent to each of the 11 former oxbow areas to determine whether these areas were affecting the quality of groundwater discharging to the Housatonic River (Geraghty & Miller, December, 1990). Groundwater samples collected from wellpoint WP-6, adjacent to the Lyman Street Parking Lot Site, revealed the presence of several volatile and base/neutral priority pollutant compounds, notably chlorobenzene and benzene, as well as trace levels of PCBs.

Additional investigations were carried out at the site in August 1989, including the drilling and sampling of six soil borings in the Lyman Street parking lot area. Soil samples were collected at 2-foot intervals, screened using a PID, and samples from two borings were analyzed for priority pollutant PCBs, VOCs, and SVOCs. In addition, two borings that were located within the former river channel of this oxbow were completed as monitoring wells. The results of these investigations indicated the presence of PCBs as well as several volatile and base/neutral organic compounds in both the soil and the groundwater (Geraghty & Miller, December 1990).

In May 1990, GE and the MDEP executed a Consent Order requiring investigations and studies of the Housatonic River and its former oxbow areas under the MCP. In June 1990, pursuant to that Consent Order, GE submitted a MCP Phase II SOW for the Housatonic River and its oxbows (B&B, June 1990a). That SOW called for the drilling of five additional soil borings in Oxbow Area D (the Lyman Street Parking Lot Site), with two of them to be completed as monitoring wells.

In August 1990, during a reconnaissance, via canoe, of the Housatonic River by personnel from GE and the MDEP, seepages of small amounts of non-aqueous phase liquid (NAPL) were observed entering the river in the vicinity of the Lyman Street parking lot. In order to contain any release of oil into the river, GE promptly installed, as a short-term measure (STM), an oil-absorbent boom along the river bank in this area. In addition, based on the results of a water and sediment sample collected near the boom, GE offered to immediately implement the activities described in the Housatonic River MCP SOW for the Lyman Street parking lot. Additional details on the presence of NAPL at the site and on both the progression of STM activities and those proposed as part of on-going activities are described later in this section and in Sections 3.3, 5.8, and 5.9.

By letter of August 24, 1990, the MDEP conditionally approved the Housatonic River MCP SOW and directed GE to propose an additional STM to address the seepage of NAPL into the river adjacent to the Lyman Street Parking Lot Site. In September and October 1990, the field activities described in the Housatonic River SOW for the Lyman Street Parking Lot Site were carried out by Geraghty & Miller, along with the installation of two additional soil borings and two additional monitoring wells, and the collection of one surficial soil/sediment sample from the riverbank area south of the Lyman Street parking lot. On December 3, 1990, GE submitted to the MDEP an initial proposal for additional STMs at that site (Geraghty & Miller, December 1990).

On December 27, 1990, the MDEP notified GE that the Lyman Street Parking Lot Site would henceforth be treated as a separate "Related Site" under the May 1990 Consent Order, and would be classified as within Phase I of the MCP process. On January 4, 1991, the MDEP approved GE's initial STM proposal for the site. The activities described in that initial proposal were then carried out and reported to the MDEP, together with an STM design proposal on May 10, 1991 (Geraghty & Miller, May 1991). In the meantime, Geraghty & Miller had reported to GE the results of the MCP field investigations carried out at the site in September and October of 1990 (Geraghty & Miller, March 1991). These investigations consisted of the collection of one surficial soil sample and the completion of seven new soil borings and four new monitoring wells in the vicinity of former Oxbow Area D. Soil samples from the borings were collected at 2-foot intervals and screened using a photoionization detector (PID). Soil samples were submitted for PCB analysis. The surficial soil sample and a minimum of one soil sample from each boring were submitted for Appendix IX+3 analyses. Groundwater samples were collected from six monitoring wells. Four samples were submitted for constituents listed in Appendix IX of 40 CFR part 264 plus three additional constituents -- benzidine, 2-chloroethylvinyl ether, and 1,2-diphenylhydrazine (Appendix IX+3), and two samples were submitted for Target Compound List (TCL) and Target Analyte List (TAL) constituent analyses. As a result, various Appendix IX+3/TCL constituents were detected in both soils and groundwater at varying concentrations. Additionally, light non-aqueous phase liquid (LNAPL) was detected in two wells at thicknesses of 0.15 and 1.53 feet.

Also in early 1991, Oxbow Area E was first investigated as part of GE's proposal for a Phase II - Comprehensive Site Assessment of the Housatonic River presented in the *Housatonic River MCP Phase II Scope of Work,* (B&B, June 1990a). Two soil borings were installed in the Oxbow Area E with one boring converted to a monitoring well. Soil and groundwater samples were submitted for PCB and Appendix IX+3 analyses. Analytical results indicated the presence of two VOCs, one SVOC, and PCBs below 2 ppm in soil samples at these two borings. One boring did indicate an oil sheen in the 18- to 20-foot soil sample. Phenols (13 ppb) and background metals were the only constituents detected above detection limits in groundwater at the monitoring well.

In May 1991, GE submitted a revised STM proposal to the MDEP to address the presence of light non-aqueous phase liquids (LNAPLs) that had been identified at the Lyman Street site (Geraghty & Miller, May 1991). However, while that report was under review by the MDEP, GE notified the MDEP that, due to the potential presence of dense non-aqueous phase liquids (DNAPLs) at the Lyman Street parking lot, further hydrogeologic assessment at the site and future evaluation of potential STMs would be necessary before finalizing the STM. GE developed a revised proposal for such work, and that proposal was submitted to the MDEP on August 29, 1991 (Golder Associates, August 1991). The MDEP conditionally approved that revised proposal by letter of October 9, 1991. Accordingly, four soil borings were completed in October and November 1991 in the southeastern portion of the Lyman Street parking lot area in order to investigate the extent of NAPL at the site.

On January 6, 1992, GE submitted the *Additional Hydrogeologic Assessment and Short-Term Measure Evaluation and Proposal, Oxbow Area D, Lyman Street, Pittsfield, Massachusetts* (Golder Associates, January 1992) to the MDEP, which presented a hydrogeologic assessment of the site, an evaluation of possible STMs, and a proposal for specific STM activities at the site (January 1992 STM Proposal). The MDEP conditionally approved that report and proposed STM by letter dated February 11, 1992.

The MDEP's letter of October 9, 1991 noted that no additional field work, apart from that proposed by GE in the January 1992 STM Proposal, would be necessary to complete the Phase I investigations, and that the Phase I Report could incorporate the results of the previous hydrogeological investigation to the extent possible. A MCP Phase I Report was submitted to the MDEP on March 12, 1992 (B&B, March 1992). In accordance with MDEP's letter of October 9, 1991, that report incorporated the results of prior activities and reports that had been submitted to the MDEP on the Lyman Street Parking Lot Site.

Following submission of the MCP Phase I Report, a number of additional actions were taken at the site. In April 1992, GE closed the Lyman Street parking lot and locked the gates to further restrict access. Also in April 1992, surficial soil samples were collected from the perimeter of the site and analyzed for PCBs in order to assist in interpretation of PCB air monitoring at the site. In addition, GE proceeded with the STM activities outlined in the January 1992 STM Proposal. The first phase of the STM (installation of one recovery well, RW-1) was implemented in August 1992, and the second phase (installation of a second recovery well, RW-2) was implemented in November 1992. GE also installed an on-site mobile groundwater treatment system and five wellpoint/piezometers (P-1 to P-5) for groundwater level measurement. These activities are discussed in more detail in Section 3.3 and 5.8.

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The MCP Phase I Report was conditionally approved by the MDEP on August 7, 1992. The MDEP's August 7, 1992 letter provided classification of the Lyman Street Parking Lot Site as a priority disposal site under the MCP for which further remedial response action is necessary. It also stated that a SOW for a Phase II - Comprehensive Site Assessment was required to be submitted within 90 days of the date of the letter. In response, GE submitted a MCP Phase II SOW on November 5, 1992 (B&B, November 1992).

In August 1993, GE submitted an evaluation of the Lyman Street Parking Lot STM as requested by the MDEP in a February 26, 1993 letter. That report, entitled *Effectiveness Evaluation of Short-Term Measures, Lyman Street Site (Oxbow Area D)* (Golder Associates, August 1993), concluded that the groundwater pumping of recovery wells RW-1 and RW-2 at the Lyman Street parking lot was effectively mitigating the intermittent bank seeps along the edge of the Housatonic River. The recommendations of that report were conditionally approved by the MDEP on October 6, 1993. GE proposed certain additional modifications to that STM in a letter of October 28, 1993, which received MDEP approval on November 24, 1993.

When the MCP Phase I Report and the Phase II SOW were prepared in late 1992, the USEPA Corrective-Action Permit was stayed pending resolution of an appeal of the Permit by GE and others. Following that appeal, USEPA modified certain portions of the Permit and issued final Permit modifications on December 1, 1993. The modified Permit became effective on January 3, 1994.

The MCP Phase I Report and the Phase II SOW previously submitted to the MDEP were not prepared to serve as documents subject to joint agency review. Accordingly, in February 1994, GE submitted to the

Agencies the *MCP Phase I Report for Lyman Street Parking Lot (Oxbow Area D) and Current Assessment Summary for USEPA Area 5A (Phase I Report/CAS)* (BBL, February 1994a) which summarized the site investigations and related sampling that had been conducted to date. Concurrent with that submittal, GE submitted under separate cover to the Agencies, the *MCP Phase II Scope of Work for Lyman Street Parking Lot (Oxbow Area D) and Proposal for RCRA Facility Investigation of USEPA Area 5A* (Phase II/RFI Proposal) (BBL, February 1994b). In addition, a Preliminary Health and Environmental Assessment (HEA) Proposal was submitted concurrently under separate cover (ChemRisk, February 1994).

In September 1994, GE submitted a second STM evaluation entitled *Effectiveness Evaluation of Short Term Measures Lyman Street Site (Oxbow Area D) Pittsfield, Massachusetts* (RUST, September 1994) which presented an assessment of the operation of the STM for the period from August 1993 to August 1994. This 1994 STM evaluation also concluded that the STM groundwater recovery system, when operating continuously, was effective in providing a hydraulic capture zone which prevented or abated oil seepage along the riverbank. The report recommended that modifications to the water treatment system be considered to increase the flow capacity for high water conditions. The report also concluded that construction of a barrier wall along the riverbank was not warranted due to the effectiveness of the recovery system.

Field activities under the Phase II/RFI proposal were initiated in October 1994, after the Agencies had approved a portion of the proposed Phase II/RFI Proposal in a letter dated June 21, 1994. During October 1994, two new wells and two wellpoints were installed in the Lyman Street parking lot with soil and groundwater sampling. Nine soil samples at the two new borings were analyzed for PCBs and one sample from each boring was submitted for full Appendix IX+3 analysis. Groundwater at the two new wells and seven existing wells was analyzed for Appendix IX+3 VOCs, SVOCs, and PCBs (RUST, November 1994 letter to GE).

In late November 1994, ten soil samples were collected prior to the installation of a below-grade water pipe from the Lyman Street parking lot to the 64G Groundwater Treatment Facility. This pipe was constructed to convey groundwater pumped at the Lyman Street parking lot to the GE treatment facility at Building 64G. Two discrete grab soil samples were collected at each location (LS-GWP-1 through LS-GWP-5) for a total of ten samples. At each location, samples were collected from depths ranging from 0 inch to 21 inches, and from 21 inches to 42 inches, and analyzed for PCBs. Analytical results indicated PCB concentrations ranging from 1.5 ppm to 3,600 ppm.

Additionally, a second set of soil samples were collected in December 1994 (Samples LS-GWP-6 through LS-GWP-16). These surficial soil samples were collected along the pipeline route and analyzed for PCBs. Analytical results indicated PCB concentrations ranging from 13 to 150 ppm at these locations.

In February 1995, an additional sixteen discrete grab surficial soil samples were collected (Samples LS-GWP-17 through LS-GWP-32) to delineate the extent of PCBs in soils in the remainder of the WMEC parcel. All but one of these samples were analyzed for PCBs with results indicating concentrations ranging from 0.3 to 100 ppm.

Pursuant to the request of the Agencies contained in a letter to GE dated November 17, 1994, GE submitted in January 1995 a *Revised MCP Phase II Scope of Work for Lyman Street Parking Lot (Oxbow Area D) and Proposal for RCRA Facility Investigation for USEPA Area 5A* (Revised Phase II/RFI Proposal) (Golder Associates, January 1995). The Revised Phase II/RFI Proposal proposed several investigation activities, including the installation of additional borings and monitoring wells, further sampling, and review of previous investigations relating to adjacent properties.

The Agencies conditionally approved the Revised Phase II/RFI Proposal in a letter to GE dated April 6, 1995. These conditions included specific investigation requirements that GE submit an addendum to the Phase II/RFI Proposal which addressed the expansion of the Lyman Street Parking Lot Site to include the adjacent WMEC parcel including former Oxbow Area E. GE submitted to the Agencies in May 1995 the *Addendum to MCP Phase II Scope of Work for Lyman Street Site and Proposal for RCRA Facility Investigation for USEPA 5A* (Phase II/RFI Proposal Addendum) (Golder Associates, May 1995). That Phase II/RFI Proposal Addendum proposed additional investigative activities to define the presence of constituents in soil and groundwater in the WMEC parcel and in the Lyman Street parking lot area. The Phase II/RFI Proposal Addendum was approved by the Agencies in a letter to GE dated May 30, 1995, subject to additional soil and groundwater sampling requirements and additional LNAPL investigation requirements in the event of discovery of LNAPL at specific areas at the site.

In a June 13, 1995 letter to the Agencies, GE requested that the analysis of herbicides and organophosphorus pesticides not be required for Appendix IX+3 sampling analyses conducted at the site. This request was based on the review of the Phase I Report/CAS and October 1994 investigation data which indicated no herbicide or organophosphorus pesticide detections in soil or groundwater at the Lyman Street Parking Lot/Oxbow Area E Site, except for one constituent detected below quantitation limits at one location. The MDEP had previously stated to GE in a letter dated December 13, 1990 that the analysis of herbicides and pesticides would not be required at MCP Phase I and Phase II sites, if justified by existing data. GE received verbal approval from the MDEP on July 6, 1995 for the waiving of this sampling analysis requirement.

Field activities under the fully-approved Phase II/RFI Proposal were initiated in August 1995. To better delineate the extent of constituents in soils and groundwater at the Lyman Street Parking Lot/Oxbow Area E Site, GE completed 12 new soil borings during August and September 1995 in the Lyman Street parking lot area. Eleven of these borings were converted to monitoring wells. Additionally two borings were completed at GE Lots No. 1 and 2 and six soil borings were completed in the WMEC parcel during this investigation, with three converted to monitoring wells. Eleven surficial soil samples were also collected from various areas of the site. As part of this investigation, soil and groundwater samples were analyzed for PCBs and Appendix IX+3 constituents (excluding herbicides and organophosphorous pesticides).

Additional field activities under the Phase II/RFI Proposal were conducted in December 1995, including the completion of two borings (LS-34 and LS-41) to investigate the presence of LNAPL at two locations at the site. Each of these borings were converted to monitoring wells. Based on the discovery of DNAPL at monitoring well LS-34, GE, in a letter to MDEP dated March 21, 1996, proposed additional investigations in the vicinity of LS-34 to determine if DNAPL had migrated off site to the west of Lyman Street. Activities conducted as part of this investigation included the installation of soil borings to determine the depth to the top of the underlying silt layer and to determine whether DNAPL were present in the borings. GE received conditional approval for these proposed activities from MDEP in a letter dated April 4, 1996. The conditions requested by MDEP included the addition of soil sampling and analyses for PCBs and Appendix IX+3 constituents (excluding herbicides and organophosphorus pesticides).

As part of field activities for the soil/DNAPL investigation west of Lyman Street in the vicinity of boring LS-34, four soil borings (LS-42 through LS-45) were installed in April 1996. Soil samples collected at two-foot intervals from each boring were submitted for PCB analysis and one soil sample from each boring was submitted for Appendix IX+3 analyses (excluding herbicides and pesticides). Three of these soil borings were converted to monitoring wells.

Details regarding these Phase II/RFI investigations and related analytical results are presented in Sections 4 and 5. All locations of soil borings and monitoring wells installed as part of these investigations are illustrated on Figure 1-3.

Further, as part of a regularly scheduled evaluation of the Lyman Street Parking Lot STM program, GE has collected groundwater elevation data from the site on a monthly or more frequent basis. Eleven wells at the site are monitored as described in the "Effectiveness Evaluation of Short-Term Measures, Lyman Street (Oxbow Area D) Pittsfield, Massachusetts" (Golder Associates, October 1995).

Recently, in March 1996 GE conducted an additional review of the current STM program at the Lyman Street parking lot and evaluated proposed STM program alternatives to contain and collect site LNAPL.

This evaluation was presented in *Stage B Short-Term Measure Evaluation and Proposal for Lyman Street Parking Lot (Oxbow Area D) for RCRA Facility Investigation for USEPA Area 5A, Pittsfield, Massachusetts* (Golder Associates, March, 1996). This evaluation and proposal were conditionally approved by the Agencies on April 3, 1996. The October 1995 and March 1996 STM evaluations are summarized in Section 5.8.

1.4 Format of Document

This Phase II/RFI Report presents a description of site location and history, an overview of investigations conducted under the Phase II/RFI Proposal at the site, the results of the recent Phase II/RFI activities completed through May 1996, and a characterization of the presence, extent, and migration of PCBs and other hazardous constituents associated with the site (to the extent data are available).

The Phase II/RFI Report has been divided into nine sections. Specifically, Section 1 presents pertinent background and site investigation information. Section 2 describes the environmental setting of the site, including an overview of the physical location and extent of the site, associated hydrogeology, climatic conditions, and affected media. Section 3 presents the source characterization information to the extent available. Sections 4 through 6 provide a more detailed discussion of the affected media and related investigations. Section 7 presents an assessment of the potential ongoing migration of hazardous constituents associated with the site. Section 8 describes remaining data needs and future activities. Finally, Section 9 discusses a schedule for completing the future activities. Appendices A through E, and the various tables and figures included herein, provide supporting information referenced in this report.

2. Environmental Setting

2.1 General

This section summarizes the current physical and environmental characteristics of the Lyman Street Parking Lot/Oxbow Area E Site located in Pittsfield, Massachusetts. Site characteristics described include site location, topography, surface drainage, vegetation, surface water, wetlands and critical habitat, regional and site-specific geology/hydrogeology, land use, climatology/meteorology, and utilities.

2.2 Geographic Location of Site

The general geographic location of the site in relation to the GE Facility, the Housatonic River, and East Street is illustrated in Figure 1-1. The site is generally bounded by the Housatonic River to the south, Lyman Street to the west, East Street and commercial/residential property to the north, and industrial and commercial property to the east including a portion of the main GE facility (East Street Area 2/USEPA Area 4 Site). The Universal Transverse Mercator (UTM) coordinates of the site are approximately 4,700,000 meters north, 645,000 meters east. The longitude and latitude of the area are approximately 73° 15' 42" and 42° 27' 05", respectively.

There are several parcels which border the Lyman Street parking lot and GE Lots Nos. 1 and 2. Figure 1-2 illustrates these parcels and presents corresponding City of Pittsfield Tax Assessors' property identification numbers. Table 2-1 lists the names and addresses of the owners of these parcels.

As illustrated in Figure 1-1, there do not appear to be any institutions as defined by the MCP within a 500-foot radius of the site. The population residing within a one-half mile radius of the site boundary is estimated to be approximately 1,920 individuals. This is based on a review of 1990 aerial photographs of the area which indicate that approximately 800 homes are located within this radius. For purposes of estimating the population within one-half mile of the site, the 1990 Pittsfield average household size of 2.4 persons was used (ChemRisk, May 1996).

2.3 Site Mapping and Photographs

2.3.1 Site Mapping

Figure 1-1 illustrates the general location of the site in the City of Pittsfield. This map was prepared using USGS 7.5 x 15 minute quadrangle topographic mapping. Figure 1-2 presents a more detailed plan of the site. This map was prepared using aerial photography as part of earlier mapping generated by GE of the Housatonic River and surrounding areas. Figure 1-2 includes the locations of the former oxbows, 1-foot topographic contours, streets, buildings, fencing, river features, vegetation and tax parcel numbers. The approximate locations of the former oxbow areas were obtained from mapping prepared by the City of Pittsfield in 1940, which was reproduced as Appendix B in the Phase I Report/CAS.

2.3.2 Site Photographs

Table 2-2 presents a summary list of available aerial photographs which depict the Lyman Street Parking Lot Site. Representative aerial photographs have been reproduced to illustrate the progression of change related to this site. These photographs are presented in Figure 2-1 and include a photograph taken in 1942 showing the former river oxbow once present in this area, a photograph taken in 1956 showing the existing paved parking lot, and a photograph taken in 1990 which serves to illustrate more recent site conditions.

2.4 Topography, Vegetation, and Surface Drainage

The topography of the Lyman Street Parking Lot/Oxbow Area E Site generally slopes gently downward from an elevation of approximately 984 feet at the northwestern portion of the site to a low of approximately 972 feet at the Housatonic River. Additionally, a mounded area is present along the southern portion of the Lyman Street parking lot/WMEC parcel boundary, with the highest site elevation of 991 feet.

Along the vegetated riverbanks, the site slopes steeply down approximately 10 feet to the river edge. Topographic information for the Housatonic River floodplain, which includes a portion of the site, has been developed by GE as part of GE's separate, ongoing investigation of the Housatonic River. Several additional sources of topographical information have been obtained and reviewed. These sources include USGS mapping and an assessor's map from the City of Pittsfield showing elevations in 5-foot contour intervals (Appendix B of the Phase I Report/CAS). These sources of information confirm that the land surface slopes gently to the south and southwest to the top of the Housatonic riverbank and toward Lyman Street.

The extent of vegetation at the Lyman Street Parking Lot/Oxbow Area E Site varies depending upon the specific area of the site. The Lyman Street parking lot is paved, except for several grass strips. The riverbank area south of the parking lot is heavily vegetated and the WMEC parcel area, located adjacent to the parking lot to the east, is an undeveloped shrub meadow. The northwestern portions of both GE Lots No. 1 and 2 are paved, and the remaining portions are covered by unpaved areas of grasses and shrubs. Typical tree species in the area of the site include Cottonwood and Ashleaf Maple. Other vegetation identified include Wild Strawberry, Cypress Spurge, Spotted Knapweed, Black Raspberry, Rough

Cinquefoil, Yarrow, Trembling Aspen, Riverbank Grape, Honeysuckle, Dames Rocket, Red Osier Dogwood, and American Elm.

Surface drainage at the Lyman Street Parking Lot site occurs largely in the form of runoff toward catch basins located along Lyman Street, although portions of the site drain directly into the Housatonic River. Surface runoff from the mounded area at the parking lot/WMEC boundary flows to the southeast, south, and southwest toward the Housatonic River.

2.5 Surface Water/Flooding Potential

There are no surface waters within the Lyman Street Parking Lot Site; however, the site is bordered on the south by the Housatonic River. Silver Lake is located approximately 150 feet north of the site across East Street (Figure 1-1).

The top of the riverbank along the southern edge of the site has an elevation of approximately 982 feet above MSL, or approximately two feet higher than the 10-year floodplain as estimated by HEC-2 modeling performed as part of the 1991 Housatonic River investigations. Although portions of the steep riverbank area do fall within the 10-year floodplain (Figure 1-2), the majority of the site is above the 10-year floodplain. Additionally, the entire site is within the 100-year floodplain as defined by the Federal Emergency Management Agency (FEMA, 1987).

2.6 Wetlands and Critical Habitats

The Massachusetts Wetlands Protection Act identifies specific resource areas as wetlands subject to protection. Resource area designations applicable to the Lyman Street Parking Lot/Oxbow Area E Site include the floodplain, riverbank, and a 100-foot buffer zone from the riverbank. The National Wetlands Inventory, performed by the United States Department of the Interior-Office of Biological Services, has not classified any portion of the site as wetlands, except for the adjacent Housatonic River, which is classed as riverine, lower perennial, open water.

As discussed previously, the site consists of both paved and vegetated areas, including the narrow wooded strip along the riverbank. These areas have not been designated as areas of critical environmental concern or protected areas, and there is no evidence that these areas constitute a critical habitat for any species.

2.7 Geologic Characteristics

2.7.1 General Geologic Setting

Pittsfield is situated in the Housatonic River Basin between the Berkshire Hills to the east and the Taconic Range to the west. Bedrock in the Pittsfield area consists of an assemblage of north-south trending metamorphic units (mainly gneiss, schist, and marble), which has resulted from a series of Paleozoic mountain-building episodes which occurred between 520 to 480 million years ago. The bedrock is overlain by unconsolidated glacial and post-glacial sediments.

The main axis of the Housatonic River Valley is underlain by carbonate rock (marble, limestone, and dolomite) of the Cambrian-Ordovician Stockbridge Group. These rock types are generally less resistant and erode more easily than the schist and phyllite of the Taconic Range and the gneiss and schist of the Berkshire Highlands.

The bedrock underlying the site is reported to be lower Ordovician age, tan-beige quartzose calcite and dolomite marble (USGS, 1983). Immediately west of the site, the underlying bedrock is described as Lower Cambrian, massive to finely laminated steel-grey calcitic dolomite marble containing a prominent zone of white quartz nodules near the top (USGS, 1983).

The unconsolidated surficial geologic deposits within the basin, excluding swamps and alluvium, are of late Pleistocene glacial origin and are classified as either stratified (glaciofluvial and glaciolacustrine) or nonstratified (till) deposits. Known thicknesses of stratified and till deposits within the valley have been documented at 240 feet and 90 feet, respectively (Norvitch et al. 1968). Till predominates in the upland areas, and stratified deposits occur primarily in the lower portions of the valley. More recent alluvial and swamp deposits are found mainly in the valley bottoms.

2.7.2 Site-Specific Geologic Setting

The specific geology of the Lyman Street Parking Lot/Oxbow Area E Site is characterized by anthropogenic fill materials of unknown origin including sand, gravel, glass, brick, wood, metal, which fill the former oxbow areas. These fill materials overlie a stratified, fine-to-coarse sand, interbedded with gravelly sand (Golder Associates, January 1992). This sand unit also contains various amounts of silt (<10 to 50 percent). This layer is interpreted by Golder Associates (January 1992) to be of fluvial origin, since it follows the course of the former channel. Beneath the upper sand/fill layer lies a silt unit, reported to be of glaciogenic origin (Golder Associates, January 1992). A second, lower sandy unit, found below the silt layer, is interpreted to be of glacial origin. Cambrian-Ordovician age bedrock at the site has been reported at a depth of approximately 50 feet below ground surface (Golder Associates, January 1992).

Site-specific geologic information was collected during completion of soil borings at the site. These borings, shown in Figure 1-3, were advanced during the Phase II/RFI investigations as discussed in Section 4 and during earlier investigations as discussed in Section 1 and in the Phase I Report/CAS. The stratigraphy of the site, developed from the information gathered during these various investigations is illustrated on cross sections A-A' and B-B', provided on Figures 2-2 through 2-4 and 5-2.

In general, the subsurface materials encountered at the site consists of the following units from the ground surface down:

Unit	Depth to Top of Unit (ft. below ground surface	Approximate Thickness (ft.)	Description	Comments
Fill (anthropogenic)	Ground surface	0 to 19.7 feet	This fill unit consists of brown, dark brown, gray, dark gray, and black fine to medium sand with varying amounts of silt (<10 to 20 %) and fine to medium gravel (<10 to 50%). Anthropogenic materials include varying percentages of brick, slag, glass, wire, porcelain, charred material, metal fragments and pieces, wood, foil, ash, tar paper, charcoal fragments, plastic pieces, cinders, concrete, coal fragments, nails, and an orange wax-like substance	The fill material has been observed at various depths (see Table 5.1) in most borings in the Lyman Street Parking Lot area; at borings B-1(A-2) and LS-10 in the GE Lot No. 2 area; and at select borings in Oxbow Area E (E-3, E-4, E-5, and E-7).
Upper sand (Fluvial deposit)	Ground surface to 18 feet	0 to 22.3 feet (may be greater than 22.3 feet at locations where borings terminated within the sand unit).	This sand unit is described as a brown, dark brown, gray, dark gray, and black fine to coarse sand with varying amounts of silt (<10 to 50%), and fine to medium gravel (<10 to 50%). Natural organics, such as roots and peat, were occasionally observed within this unit. Generally, this unit became coarser with depth. This unit ranged from poorly sorted to well sorted and at some locations was described as having a salt and pepper appearance. Layers of peat were encountered within this sand unit at locations LS-29, LS-35, LS-37, and E-5.	This unit was not encountered at locations LS-2, LS-32, and LS-33.

Unit	Depth to Top of Unit (ft. below ground surface	Approximate Thickness (ft.)	Description	Comments
Silt (glacio-lacustrine deposit)	16.5 to 34 feet (may be greater than 34 feet at locations where borings were terminated before the silt unit was encountered)	10 feet at location LS-14 and 14.7 feet at location LS-25	This unit is described as a brown and olive-green, medium stiff to hard, silt with varying amounts of fine to medium sand (<10 to 35%) and trace amounts of fine to medium gravel.	Some subsurface logs describe this unit as a clayey silt. Table 5.1 presents the locations and depths where the silt was encountered and Figure 5-2 illustrates the top of silt elevation contours.
Lower Sand (glacial outwash deposit)	28 feet at location LS-14 and 33 at location LS-25	22 feet at location LS-14	This unit is described as an olive green and orange brown fine to coarse sand with varying amounts of silt (<10 to 50%) and trace amounts of fine to medium gravel and clay (<10%). This unit was interbedded with a sandy gravel at location LS-14. Generally, this unit becomes coarser with depth	The lower sand unit was only encountered at locations LS-14 and LS-25.
Bedrock (meta-sedimentary rock)	50 feet	Not determined	Bedrock was inferred on the subsurface log as white, fine rock dust, trace crystalline and micaceous, with trace fragments (Geraghty & Miller, Inc).	Possible bedrock. Reported to consist of crystalline limestone, crystalline dolomite, argillite, quartzite, and phyllite (Golder Associates, January 1995).

2.8 Hydrogeologic Characteristics

2.8.1 General Hydrogeologic Setting

Aquifers and water bodies within the basin are recharged by precipitation (rainfall/snowfall) events. The nearest mapped aquifers are within the Housatonic River Basin to the north and the Connecticut River Basin to the southeast, as indicated on the Pittsfield East quadrangle. According to the Pittsfield Department of Public Utilities, the city obtains its industrial and municipal water supply from the following surface water bodies located several miles to the south and to the east: Sandwash Reservoir, Cleveland Reservoir, Farnham Reservoir, New Sackett Reservoir, Lake Ashley, and the Lower Ashley Intake. In the past, Onota Lake (approximately 3 miles to the north) has been used as an emergency municipal water supply.

The stratified and nonstratified surficial deposits are not considered productive aquifers (Norvitch et al. 1968), and the carbonate bedrock found at the site will only provide sufficient water for domestic and industrial use if a well is installed within a solution or fault zone.

2.8.2 Groundwater Utilization

As determined from a review of the MDEP's "Water Supply Protection Atlas," and discussions with GE personnel, public or private water supply wells used for drinking water purposes are not located within a one-half mile radius of the site. Altresco, Inc., however, has several deep bedrock wells which are located at the GE facility approximately 1 mile to the east of the site. These wells are operated to provide cooling water for industrial use.

2.8.3 Site-Specific Hydrogeologic Characteristics

Based on groundwater elevation data, the groundwater flow across the site is to the southeast toward the Housatonic River. The majority of unconfined groundwater flow at the site occurs though the saturated portion of the fill unit and within the upper sand unit. A hard silt layer was locally observed beneath the upper sand unit. This silt unit appears to act as a basal confining unit and would be expected to yield a negligible amount of water to the groundwater flow system. Further discussion of the groundwater flow patterns and flow rates is provided in Sections 5.5 and 5.6.

2.9 Past and Present Site Uses

The land comprising the Lyman Street Parking Lot/Oxbow Area E Site includes the Lyman Street parking lot, GE Lots No. 1 and 2, and the WMEC parcel. These areas as well as adjacent lands bordering the site, are currently zoned for general industrial use (I-G), as indicated on the Pittsfield Zoning Map (Appendix C of the Phase I Report/CAS). An aerial photograph taken in 1956 (Figure 2-1) shows the Oxbow Area D site covered by the Lyman Street parking lot. This parking lot was used for GE employee parking until GE closed the lot in April 1992 and locked the gates to further restrict access. The Lyman Street parking lot is paved and surrounded by a high fence which runs around the perimeter of the parking lot, except along the riverbank, where access is restricted by a guard rail as well as the steep and vegetated riverbank.

The review of aerial photographs (Figure 2-1) indicated that GE Lot No. 1, immediately north of the Lyman Street parking lot, contained several small buildings in 1942. Only one of these buildings remained in 1956, but was removed shortly thereafter. This lot appears to have been vacant since that time with no determined usage. The lot is currently paved in northwestern portion with the remainder of the unpaved areas covered by grasses and shrubs. The entire lot is surrounded by chain-link fencing.

Based on aerial photographs, GE Lot No. 2, located directly east of GE Lot No. 1, appears to have remained vacant from 1942 to 1974. This area received limited commercial use between 1974 and 1979. Between 1986 and 1990, GE Lot No. 2 was leased to July Associates to support parking needs associated with several commercial businesses. The northwestern portion of this lot is paved with the remainder of the unpaved areas covered by grasses and shrubs. GE Lot No. 2 is currently vacant and unused and is surrounded by chain-link fencing.

Also based on the review of aerial photographs, Oxbow Area E itself was less than 1 acre in size and centered around a former depression. It further appears that this oxbow was filled prior to 1942. Oxbow Area E is located within the right-of-way of a power line utility operated by Northeast Utilities, Inc. The WMEC parcel that includes Oxbow E is an undeveloped shrub meadow. With the exception of the northern half, the parcel is surrounded by locked, chain-link fence. GE is also considering expanding the fence around the WMEC parcel to include the northern portion of that parcel.

Since 1992, the site has also been utilized for continuing STM activities. As mentioned in Section 1.3, NAPL seepage was first observed along the riverbank adjacent to the Lyman Street parking lot in August 1990. To address this seepage, GE immediately installed an oil-absorbent boom in the Housatonic River along the riverbank in this area. After revisions to earlier work plans and STM proposals for this LNAPL seepage, GE submitted the January 1992 STM Proposal which was approved by the MDEP in February 1992.

As part of these STM activities, GE installed two recovery wells and an on-site mobile groundwater treatment system consisting of oil/water separation, filtration, carbon adsorption, sedimentation, and metals removal processes. Treated groundwater was discharged into the Housatonic River.

During 1994 and 1995, GE replaced the mobile groundwater treatment system with a pipeline which carries recovered groundwater from the site's two recovery wells directly to the Building 64G groundwater treatment plant located in the East Street Area 2/USEPA Area 4 site approximately 500 feet to the east. Extracted groundwater has been pumped directly to the treatment plant since September 1995. These STM activities are more fully discussed in Sections 3.3, 5.8, and 5.9.

2.10 Climatological and Meteorological Information

The climate in the area of the site is characterized as humid, with a mean annual temperature of about 46°F based on data recorded at the nearby Pittsfield Municipal Airport. The mean summer temperature is 68°F, while the mean winter temperature is 28°F (Norvitch et al., 1968). Prevailing winds are from the west. This fact is supported by wind directional data collected from 1992 to 1994 as part of a facility air monitoring program. These data, illustrated in Figure 2-5, were collected at a meteorological station located at GE's East Street Area 2/USEPA Area 4 site, is located approximately 900 feet to the east of the site.

The average precipitation varies from a low of 2.5 inches per month during the winter months, to a high of about 5 inches per month in the summer months. The Housatonic River Basin, which includes the site, receives an average of 46 inches of precipitation per year. Approximately 22 inches per year escape by evaporation and transpiration to the atmosphere, while the remaining 24 inches per year are lost as runoff or collected in reservoirs, lakes, and ponds (Norvitch et al., 1968).

2.11 Utility Locations

Utility locations in the vicinity of the Lyman Street Parking Lot/Oxbow Area E Site include city water, storm sewer and sanitary sewer lines under Lyman Street, and the groundwater recovery system located in the parking lot. City of Pittsfield Engineering Department city water maps indicate that an 8-inch diameter city water line runs under the center of Lyman Street to the west of the Lyman Street parking lot (Appendix A). The depth of this water line is estimated to be 6 feet below surface (pers. comm, City of Pittsfield Engineer). These city water maps also indicate the presence of a 12-inch diameter line east of the Lyman Street bridge, joining the 8-inch diameter line at a location approximately 30 feet north of the bridge.

Sanitary sewer maps from the City of Pittsfield (Appendix A) show an 8-inch diameter vitrified clay pipe under the east side of Lyman Street sloped to the northwest toward East Street. This pipe lies at a depth from approximately 4 to 6 feet below surface adjacent to the Lyman Street parking lot.

The sanitary sewer mapping also shows a 12-inch diameter vitrified clay storm sewer pipe running south from a manhole in the center of Lyman Street approximately 140 feet north of the Housatonic river to a discharge point at the river on the west side of the Lyman Street Bridge. Additionally, a 48-inch municipal storm sewer line is located across the Housatonic River and runs roughly parallel to the river.

Overhead power lines within the right-of-way maintained by Northeast Utilities, Inc. border the eastern side of the site in the WMEC parcel. As reported by the city of Pittsfield Municipal Engineer, underground utilities are not located within Oxbow Area E (per comm., P. Powers).

3. Source Characterization

3.1 General

As mentioned previously, the Lyman Street Parking Lot/Oxbow Area E Site is comprised of two primary areas of concern: one which contains a former Housatonic River oxbow (former Oxbow D) and the other which contains a former low-lying area (former Oxbow Area E). Former Oxbow D, beneath the Lyman Street parking lot, has been designated by the Permit as Solid Waste Management Unit (SWMU) G-21. This oxbow was cut off from the river, subsequently filled, and later paved to construct the parking lot which exists today. Although it is difficult to determine the precise location of this former oxbow, the review of both analytical and boring log information, as well as historical aerial photographs, indicate the former oxbow to be located principally within the paved portion of the Lyman Street parking lot proper, with a portion possibly extending into GE Lot No. 2 to the northwest (Figure 1-2). No additional SWMUs, related to the Lyman Street Parking Lot/Oxbow Area E Site, have been identified as part of the most recent Phase II/RFI activities.

Oxbow Area E is a former low-lying area located immediately east of the Lyman Street parking lot in the adjacent WMEC parcel (Figure 1-2). As indicated in Section 1.3, this parcel was incorporated into the original Lyman Street Parking Lot Site as directed by the Agencies' letter to GE dated April 6, 1995. The former Oxbow Area E itself is less than one acre in size and centers around a former depression which was located north of the river channel and approximately 500 feet east of Lyman Street. Based on aerial photos of this area, it appears that this area was filled prior to 1942. Presently, the parcel encompassing Oxbow Area E is owned by WMEC. A right-of-way in the parcel is maintained by Northeast Utilities, Inc.

3.2 History of Disposal Practices

There are no known records for materials disposed at the former Oxbow Areas D and E at the Lyman Street Parking Lot/Oxbow Area E Site. As noted in Section 1.2, it is believed that, as part of or after the Housatonic River rechannelization project in the late 1930s or early 1940s, these former lowland oxbow areas were filled with various materials of unknown origin.

The only sources of information indicating past disposal practices are boring logs and analytical data collected at the site. Several subsurface investigations have identified the presence of fill material in various locations in the Lyman Street parking lot area, a portion of GE Lots No. 1 and No. 2 and in Oxbow Area E and the surrounding WMEC parcel. The greatest depth of fill materials were found at LS-32, near the riverbank in the Lyman Street parking lot at approximately a 20 foot depth (Figure 1-3). Table 5-1 presents data on the depth of fill encountered at the various boring locations.

The fill material encountered at the site during subsurface investigations generally consisted of medium to coarse sand with gravel and coal or brick fragments. A white powdered mortar and metal scraps were encountered at Oxbow Area E along with cinders, glass fragments, and brick fragments. The thickness of the fill material in Oxbow Area E ranged from 0 to 16 feet.

Site-specific data also have indicated the presence of NAPLs, PCBs, VOCs, SVOCs, metals, and PCDDs and PCDFs in the groundwater and/or soils at the site. Several of the SVOC constituents found in site media are characteristic of coal gasification byproducts and may be related to a coal gasification facility operated by the Berkshire Gas Company until the early 1970s in the adjacent East Street Area 2/USEPA Area 4 site.

A more detailed summary of the recent investigations and analytical data from all investigations related to the Lyman Street Parking Lot/Oxbow Area E Site is provided in Sections 4 and 5. The fate and transport characteristics of constituents detected at the site have previously been described in Section 7 of the Phase I Report/CAS. Section 7 of this report provides a focused discussion regarding the fate and transport characteristics of PCBs found at the site and potential migration pathways at the site.

3.3 Presence of NAPL

The presence of NAPL at the Lyman Street Parking Lot/Oxbow Area E site was first noted as oil sheens in soil samples collected by GE during a soil/groundwater quality investigation in May 1987. At that time, oil sheens were noted in soil samples from soil borings SB-2, SB-3, SB-4, and SB-5 which were located in the northern corner of the Lyman Street parking lot (Figure 1-3). In investigations subsequent to the May 1987 investigation, oil sheens have been found in soil samples at various locations at the site. The presence of NAPL and oil sheens at the site and along the riverbank have not been attributed to any documented disposal activities.

Additionally, both light non-aqueous phase liquid (LNAPL) and dense non-aqueous phase liquid (DNAPL) have been observed in several monitoring wells, primarily in the southern corner of the site. LNAPL has been found at eight locations at the site (LS-2, LS-21, LS-23, LS-33, LS-35, LS-41, P-4, and RW-1) with a maximum measured thickness of 1.75 feet at monitoring well LS-2. DNAPL has been observed in seven monitoring wells at the site (LS-4, LS-12, LS-21, LS-30, LS-31, LS-34 and RW-1) with at maximum measured thickness of 4 feet at monitoring well LS-32.

As part of the revised STM investigation activities, GE analyzed NAPL/DNAPL samples from monitoring wells LS-4, LS-12, LS-21, and RW-1 in September 1991. These analyses indicated the DNAPL at the site to consist of 9.8 percent to 66 percent PCB (Aroclor 1254), 0 to 13.4 percent polynuclear aromatic hydrocarbons (PAHs), 0.23 percent to 1.1 percent polychlorinated benzenes, 0.01 percent to 0.04 percent volatile aromatics, 0 to 0.06 percent volatile hydrocarbons, and 0 to 0.03 percent volatile solvents (Golder Associates, January 1992).

Additionally, seepages of NAPL to the Housatonic River were first discovered during visual inspection of the riverbank in August 1990. These seepages have been and continue to be addressed by GE as part of MDEP-approved STM activities. These STM activities also constitute a proposed Interim Measure under the RCRA Corrective-Action Permit. Active groundwater pumping and oil recovery at two site wells have been conducted as part of these STM activities, as discussed in Sections 1 and 5.

The history of the STM implementation process is included in Section 1.3. A summary of the STM activities conducted and a characterization of NAPLs at the site are presented in Sections 5.8 and 5.9. No additional SWMUs, releases, or media of concern were identified during the Phase II/RFI activities in the areas comprising the Lyman Street Parking Lot/Oxbow Area E Site.

4. Soils/Fill Material Characterization

4.1 General

As discussed in Section 1.3, GE has continued to perform a multi-phased study of the Lyman Street Parking Lot/Oxbow Area E Site since the mid-1980s. The presence of PCBs and other constituents in the soils of the Lyman Street Parking Lot/Oxbow Area E Site have been investigated as part of these studies.

The following sections provide a brief summary of each of the soil investigations conducted at the site. Sections 4.2 and 4.3 present surficial soils investigations and subsurface soil investigations, respectively. These sections present a history of related investigations, as well as a summary of associated analytical data based on the three general areas of the site: the Lyman Street parking lot proper, the WMEC parcel including Oxbow Area E, and GE Lots No. 1 and No. 2 (north of the parking lot). Section 4.4 presents an evaluation of subsurface gas sampling activities conducted during investigations at the site. The delineation of the vertical and horizontal extent of impacted soils/fill are discussed in Section 4.5. Finally, updated volume estimates of PCB-containing soils/fill are presented in Section 4.6.

4.2 Surficial Soils Investigations

4.2.1 Description of Surficial Soils Investigations

To date, surficial soil sampling has been conducted during six separate investigations at the Lyman Street Parking Lot/Oxbow Area E Site. Each of the surficial sampling programs is summarized below, and all sample locations are presented on Figure 1-3. In addition, the general purpose for each investigation is discussed in Section 1.3.

As presented in Section 4.3 of the Phase I Report/CAS, one surficial soil/sediment sample (LS-SOIL) was collected in October 1990 from the riverbank area south of the parking lot. This sample was analyzed for PCBs and Appendix IX+3 constituents. As discussed in Section 5 of the Phase I Report/CAS, on June 26, 1991, one surficial soil sample (LS-PL-FE-C1) was collected from the southeast corner of the parking lot, and was analyzed for PCBs. As further discussed in Section 5 of the Phase I Report/CAS, on April 21, 1992, ten surficial soil samples (LS-PL-SS-C1 through LS-PL-SS-C10) were collected from the western edge of the parking lot, and were analyzed for PCBs.

In December 1994, 11 surficial soil samples (LS-GWP-6 through LS-GWP-16) were collected from trench soils for a pipeline excavation within the WMEC parcel and were analyzed for PCBs. On February 21, 1995, 16 surficial soil samples were collected from the pipeline area within the WMEC parcel (LS-GWP-17 through LS-GWP-32), and all but one (LS-GWP-32) were analyzed for PCBs.

As part of the recent Phase II/RFI activities in August 1995, two surficial soil samples (LS-GWP-33 and LS-GWP-34) were collected within the WMEC parcel, three surficial soil samples (LS-C-11 through LS-C-13) were collected from the riverbank area south of the parking lot, and six surficial soil samples (LS-C-14 through LS-C-19) were collected from GE Lots No. 1 and 2. All 11 of these surficial soil samples were analyzed for PCBs, and samples LS-GWP-33, LS-GWP-34, LS-C-11 through LS-C-13, and LS-C-18 were analyzed for Appendix IX+3 constituents (excluding herbicides and organophosphorus pesticides).

4.2.2 Surficial Soils Program Results

The analytical data associated with each of the samples discussed above are summarized below with respect to three general areas; 1) the Lyman Street parking lot, 2) WMEC parcel and 3) GE Lots No. 1 and 2. Sample locations, sampling dates, and detected analytical data are presented on Figures 4-1 through 4-6. A summary of all data, including non-detect data and sampling dates, is presented in Tables 4-1 through 4-6. Additionally, the delineation of the horizontal extent of PCB-impacted soils/fill is discussed in Section 4.5 below.

4.2.2.1 Lyman Street Parking Lot Area

The majority of the 15 surficial soil samples collected within the Lyman Street parking lot area were located along the riverbank south of the parking lot and along the fencelines bordering the parking lot and GE Lots No. 1 and No. 2. Additionally, sample LS-PL-FE-C1 was located in the southeastern corner of the parking lot (Figure 4-1).

PCBs were analyzed for and detected in all 15 surficial soil samples from the parking lot area (LS-SOIL, LS-C-11 through LS-C-13, LS-PL-FE-C1, and LS-PL-SS-C1 through LS-PL-SS-C10). PCB concentrations ranged from 0.8 ppm to 60 ppm. The highest PCB concentration was detected in sample LS-PL-SS-C9 along the fenceline bordering GE Lot No. 2 (Figure 4-1 and Table 4-1).

Appendix IX+3 constituents were analyzed for and detected in four of the surficial soil samples (LS-SOIL, and LS-C-11 through LS-C-13) along the riverbank, south of the parking lot. (The analysis of the LS-SOIL sample included all Appendix IX+3 constituents, while the analysis of samples from LS-C-11 through LS-C-

13 included Appendix IX+3 constituents, excluding herbicides and organophosphorus pesticides). The pesticides/herbicides detected above quantitation limits and not found in associated blank samples consisted of 4,4'-DDE (up to 0.75 ppm), 4,4'-DDT (0.63 ppm), Beta-BHC (3.0 ppm), dieldrin (0.095 ppm), and endosulfan II (0.099 ppm) (see Figure 4-2). A summary of all pesticide/herbicide analytical results can be found in Table 4-2.

The highest detected VOCs included toluene (0.008 ppm), chlorobenzene (0.021 ppm), and methylene chloride (0.009 ppm) (Figure 4-3). A summary of all VOC analytical results can be found in Table 4-3.

The highest detected SVOCs included fluoranthene (up to 42 ppm), pyrene (up to 33 ppm), phenanthrene (up to 27 ppm), benzo(b)fluoranthene (up to 26 ppm), and chrysene (up to 21 ppm) (see Figures 4-4A and 4-4B). A summary of all SVOC analytical results can be found in Table 4-4.

The highest detected PCDDs/PCDFs were furans in sample LS-C-13, along the riverbank; total HxCDFs (0.0043 ppm), total PeCDFs (0.0029 ppm), total TCDFs (0.0025 ppm), and total HpCDFs (0.0018 ppm) (Figure 4-5). A summary of all dioxin/furan analytical results can be found in Table 4-5.

The highest detected inorganics along the riverbank included barium (up to 41 ppm), copper (up to 85 ppm), lead (up to 124 ppm), zinc (up to 181 ppm), and sulfide (up to 264 ppm) (Figure 4-6). A summary of all inorganic analytical results can be found in Table 4-6.

4.2.2.2 WMEC Parcel

The 29 surficial soil samples collected at the WMEC parcel were well distributed throughout the area. Samples LS-GWP-6 through LS-GWP-16 were located along a straight pipeline approximately 70 to 100 feet north of the Housatonic River. Samples LS-GWP-17 through LS-GWP-32 were located on a symmetrical plan grid and spaced approximately 85 feet apart throughout the area. Additionally, LS-GWP-33 and LS-GWP-34 were located at the southern and northern ends of the area, respectively (see Figure 4-1).

PCBs were analyzed for and detected in 28 surficial soil samples located throughout the WMEC parcel (LS-GWP-6 through LS-GWP-31, LS-GWP-33, and LS-GWP-34). (As discussed in Section 4.2.1 above, sample LS-GWP-32 was not submitted for analysis.) PCB concentrations for these samples ranged from 0.3 to 150 ppm. The highest PCB concentrations were detected along the pipeline in the southern portion of the area (Figure 4-1 and Table 4-1).

Appendix IX+3 constituents (excluding herbicides and organophosphorus pesticides) were analyzed for and detected in two of the surficial soil samples (LS-GWP-33 and LS-GWP-34, located in the southern and northern ends of the WMEC parcel, respectively). The pesticides/herbicides detected above quantitation limits and not found in associated blank samples consisted of endrin (0.073 ppm), dieldrin (0.036 ppm), 4,4'-DDT (0.031 ppm), and endrin aldehyde (0.027 ppm) (Figure 4-2). A summary of all pesticide/herbicide analytical results can be found in Table 4-2.

The only VOC detected above quantitation limits and not found in an associated blank sample was toluene (0.012 ppm in LS-GWP-33) (Figure 4-3). A summary of all VOC analytical results can be found in Table 4-3.

The highest detected SVOCs included aniline (up to 1.9 ppm), fluoranthene (up to 1.3 ppm), chrysene (up to 1.2 ppm), and pyrene (up to 1.1 ppm) (Figure 4-4B). A summary of all SVOC analytical results can be found in Table 4-4.

The highest detected PCDDs/PCDFs included total PeCDFs and total HxCDFs (both up to 0.0014 ppm), OCDD (up to 0.0013 ppm), and total HpCDFs (up to 0.00057 ppm). A summary of all dioxin/furan analytical results can be found in Table 4-5.

The highest detected inorganics included barium (up to 49 ppm), copper (up to 76 ppm), lead (up to 108 ppm), and zinc (up to 300 ppm) (Figure 4-6). A summary of all inorganic analytical results can be found in Table 4-6.

4.2.2.3 GE Lots No. 1 and 2

Two surficial soil samples, LS-C-14 and LS-C-17, were collected at GE Lot No. 1, while four surficial soil samples, LS-C-15, LS-C-16, LS-C-18, and LS-C-19, were collected in the eastern portion of GE Lot No. 2 (Figure 4-1).

PCBs were detected in five of the six surficial soil samples from GE Lots No. 1 and 2 (LS-C-14 through LS-C-17, and LS-C-19). PCB concentrations ranged from 0.14 to 7.3 ppm (Figure 4-1 and Table 4-1).

Appendix IX+3 constituents were analyzed for in one of the surficial soil samples (LS-C-18, located in GE Lot No. 2). The only pesticide/herbicide detected in LS-C-18 above quantitation limits and not found in the associated blank sample was endrin aldehyde (0.0032 ppm) (Figure 4-2). A summary of all pesticide/herbicide analytical results can be found in Table 4-2.

No VOCs or SVOCs were detected in LS-C-18 above quantitation limits that were not found in the associated blank sample. A summary of all VOC and SVOC analytical results can be found in Tables 4-3 and 4-4.

The only PCDDs/PCDFs detected in LS-C-18 was OCDD (0.000033 ppm) (Figure 4-5). A summary of all dioxin/furan analytical results can be found in Table 4-5.

The highest inorganics detected in LS-C-18 included barium (22 ppm), copper (24 ppm), lead (13 ppm), nickel (18 ppm), and zinc (52 ppm) (Figure 4-6). A summary of all inorganic analytical results can be found in Table 4-6.

4.3 Subsurface Soils Investigation

4.3.1 Description of Soil Boring Investigations

Each subsurface soil sampling investigation at the Lyman Street Parking Lot Site is summarized below. All sample locations are presented on Figure 4-1.

Three boring investigations were conducted prior to the Consent Order executed by GE and the MDEP in May 1990. These three investigations included the completion of four soil borings in the area of GE Lot No. 1 (B-1 through B-4, installed in August 1986). Samples from the four soil borings were screened in the field using portable detectors (HNU), but were not submitted for laboratory analysis as neither organic vapors nor oil staining were noted in any of the samples.

Additionally, as discussed in Section 4.2 of the Phase I Report/CAS, six soil borings were installed in the area of GE Lots No. 1 and No. 2 (B-1 through B-5, and SB-6, installed in November 1986 and May 1987, respectively). Again, samples from the six soil borings were screened in the field using portable detectors (TIP for November 1986 sampling and HNU for May 1987 sampling) but were not submitted for laboratory analysis as neither organic vapors nor oil staining were noted in any of the samples.

As discussed in Section 4.2 of the Phase I Report/CAS, the last pre-1990 investigation included the completion of 11 soil borings in the parking lot area (SB-1 through SB-5 and LS-1 through LS-6, collected in May 1987 and August 1989, respectively). The soil samples were screened in the field with a PID, and samples from borings LS-2 and LS-4 were analyzed for PCBs, VOCs, and base/neutral organic compounds.

All of the pre-1990 soil samples were collected continuously at 2-foot depth intervals to total boring depths ranging from 16 to 22 feet below ground surface.

As discussed in Section 4.3.1 of the Phase I Report/CAS, seven soil borings were drilled at the site in September and October 1990 (LS-7 through LS-13). All samples were within the parking lot area, except LS-10 which was located in GE Lot No. 2. The samples were collected continuously at 2-foot depth intervals to total depths ranging from 18 to 26 feet below ground surface, screened in the field with a PID. All soil samples from borings LS-7 through LS-11, and those from alternating intervals at borings LS-12 and LS-13, were analyzed for PCBs. Any soil sample with a PID reading greater than 10 PID units was also submitted for Appendix IX+3 VOC analysis. One sample from each boring (the increment with the highest PID reading) was also submitted for Appendix IX+3 analysis. As described in detail in the Phase I Report/CAS, fill materials were observed in all seven borings at depths ranging from approximately 0 to 16 feet below ground surface.

As discussed in the *MCP Phase I and Interim Phase II Report for Former Housatonic River Oxbow Areas A, B, C, E, F, J, and K* (B&B, April, 1992), two soil borings were completed in former Oxbow Area E in March 1991 (E-1 and E-2). Samples were collected continuously in 2-foot increments to a depth of 24 feet in each boring, and were submitted for analysis of PCBs and Appendix IX+3 constituents. Additionally, as discussed in that report and Section 2.4.1 of the Phase II SOW/RFI Addendum (Golder Associates, May 1995), a second boring designated E-1 was drilled at Oxbow Area E. The second E-1 boring was completed on November 13, 1991, and had one sample analyzed for Appendix IX+3 VOCs plus 1,2,4 trichlorobenzene (20 to 22 feet), and another for PCDDs/PCDFs (10 to 12 feet).

As discussed in Section 4.3.2.1 of the Phase I Report/CAS, four borings (LS-22 through LS-25) were installed in October and November 1991 in the southeastern portion of the Lyman Street parking lot area, in order to investigate the extent of NAPL at the site. Soil samples from these borings were screened in the field with a PID. The soil samples were not submitted for further analyses.

On October 12, 1994, soil samples were collected in 2-foot increments from two borings completed within the parking lot area (LS-32 and LS-33). One sample from LS-32 and all samples from LS-33 were submitted for PCB analysis, and one increment from each boring was submitted for full Appendix IX+3 analysis. This investigation and associated data are presented in a RUST Environment & Infrastructure, Inc. letter to GE dated November 29, 1994.

As discussed in the Phase II/RFI Proposal Addendum (Golder Associates, May 1995), soil samples were collected in November 1994 from five soil borings along the pipeline at former Oxbow Area E prior to excavation activities (LS-GWP-1 through LS-GWP-5). The samples were collected in 0- to 21-inch and 21- to 42-inch increments and submitted for PCB analysis.

In August through December 1995, as part of the recent Phase II/RFI activities, 12 borings were completed at the parking lot area (LS-26 through LS-31, LS-34 through LS-38, and LS-41), six borings were completed at former Oxbow Area E (E-3 through E-8), and two borings were completed at GE Lots No. 1 and 2 (LS-39 and LS-40). With the exception of E-8, samples from these borings were collected continuously in 2-foot increments and were submitted for PCB analysis, and additionally, one increment from each boring was submitted for Appendix IX+3 analysis (excluding herbicides and organophosphorus pesticides). As discussed in Section 3.3 of the Phase II SOW/RFI Addendum, as specifically requested by the Agencies, only the sample increment from 18 to 20 feet at location E-8 was collected, and analyzed for Appendix IX+3 constituents (excluding herbicides and organophosphorus pesticides).

Finally, in late April 1996, as part of the recent Phase II/RFI activities to investigate the presence and migration of NAPL at the site (discussed in Section 5.2), four borings were completed west of Lyman Street (LS-42 through LS-45). Samples from these borings were collected continuously in 2-foot increments and were submitted for PCB analysis. Additionally, one increment from each boring was submitted for Appendix IX+3 analysis (excluding herbicides and organophosphorus pesticides).

4.3.2 Soil Boring Program Results

The analytical data associated with each of the subsurface soil samples discussed above are summarized below with respect to the three areas discussed in Section 4.2 for surficial soils, Lyman Street Parking Lot Area, WMEC Parcel, and GE Lots No. 1 and No. 2. The area west of Lyman Street that was sampled as part of the April 1996 NAPL investigation will be discussed under "Adjacent Western Area". Sample locations, sampling dates, and detected analytical data are presented on Figures 4-1 through 4-6. A summary of all data, including non-detect data, sampling dates, and names of consultants that performed sampling, is presented in Tables 4-1 through 4-6. All PID data associated with these sampling activities are presented in Appendix C. Additionally, the delineation of vertical extent of PCB-impacted soils/fill is discussed in Section 4.5 below.

4.3.2.1 Lyman Street Parking Lot Area

The subsurface soil samples collected within the Lyman Street parking lot area originated from soil borings that were well distributed throughout the area (see Figure 4-1). Borings in this area include SB-1 through SB-5, LS-1 through LS-9, LS-11 through LS-38, and LS-41.

PCBs were detected in 121 of the 155 subsurface soil samples analyzed for PCBs from the parking lot area (borings LS-2, LS-4, LS-7 through LS-9, LS-11 through LS-13, LS-26 through LS-38, and LS-41, at varying depths). Concentrations were detected up to 290,000 ppm (in boring LS-11 in the southern portion of the parking lot, at the 4- to 6-foot depth increment) (Figure 4-1). A summary of all PCB results can be found in Table 4-1.

Pesticides/herbicides were detected in 15 samples. The highest detected pesticides above quantitation limits and not detected in associated blank samples included 4,4'-DDE (up to 46 ppm at the western edge of the parking lot in boring LS-34 at 22 to 24 feet), 4,4'-DDT (up to 22 ppm in boring LS-34 at 22 to 24 feet), endrin aldehyde (up to 15 ppm in boring LS-34 at 22 to 24 feet), and heptachlor epoxide (up to 15 ppm in the riverbank area south of the parking lot in boring LS-35 at 12 to 14 feet) (Figure 4-2). A summary of all pesticide/herbicide analytical results can be found in Table 4-2.

VOCs were detected in 39 samples. The highest VOCs were detected in borings LS-8 and LS-30 in the central portion of the parking lot and in boring LS-11 in the southern portion. Detected constituents included chlorobenzene (up to 37 ppm), ethylbenzene (up to 28 ppm), and xylene (up to 20 ppm) (Figure 4-3). A summary of all VOC analytical results can be found in Table 4-3.

SVOCs were detected in 25 samples. The highest SVOCs were detected in borings LS-2 and LS-9 in the southern and central portions of the parking lot, respectively. Detected constituents included 1,2,4-trichlorobenzene (up to 300 ppm), 1,4-dichlorobenzene (up to 220 ppm), naphthalene (up to 91 ppm), and phenanthrene (up to 110 ppm) (Figures 4-4A and 4-4B). A summary of all SVOC analytical results can be found in Table 4-4.

PCDDs/PCDFs were detected in 14 samples. The highest PCDDs/PCDFs were detected in borings LS-8, LS-30, and LS-31 in the central portion for the parking lot, and in boring LS-32 in the southern portion. Detected constituents included total TCDFs (up to 0.321 ppm), total PeCDFs (up to 0.176 ppm), and total HxCDFs (up to 0.145 ppm) (Figure 4-5). A summary of all PCDDs/PCDFs analytical results can be found in Table 4-5.

Inorganics were detected in 17 samples. The highest inorganics were detected in borings LS-32 and LS-33 in the southern portion of the parking lot. Detected constituents included iron (up to 41,500 ppm), lead (up to 14,400 ppm), and calcium (up to 11,300 ppm) (Figure 4-6). A summary of all inorganic analytical results can be found in Table 4-6.

4.3.2.2 WMEC Parcel

The subsurface soil samples collected within the WMEC parcel originated from soil borings that were well distributed throughout the area (see Figure 4-1). Borings in this area include E-1 through E-8, and LS-GWP-1 through LS-GWP-5.

PCBs were detected in 42 of the 65 subsurface soil samples analyzed for PCBs from WMEC parcel (in borings E-1 through E-8 and LS-GWP-1 through LS-GWP-5, at varying depths). Concentrations were detected up to 3,600 ppm (in the southern portion of the area in boring LS-GWP-1 at 0 to 21 inches) (Figure 4-1 and Table 4-1).

Pesticides/herbicides were detected in 3 samples. The two pesticides detected above quantitation limits were 4,4'-DDT (up to 0.62 ppm at the southern portion of the area in boring E-3 at 0 to 2 feet) and heptachlor epoxide (0.15 ppm in boring E-3 at 0 to 2 feet) (Figure 4-2). A summary of all pesticide/herbicide analytical results can be found in Table 4-2.

VOCs were detected in 12 samples. The two VOCs detected above quantitation limits were acetone (up to 0.035 ppm at the central portion of the area in boring E-8 at 18 to 20 feet) and toluene (0.016 ppm in boring E-8) (Figure 4-3). A summary of all VOC analytical results can be found in Table 4-3.

SVOCs were detected in 8 samples. The highest SVOCs were detected at the southern portion of the area in borings E-3 and E-4. Detected constituents included pyrene (up to 4.6 ppm), aniline (up to 3.9 ppm), and chrysene (up to 4.3 ppm) (Figure 4-4A). A summary of all SVOC analytical results can be found in Table 4-4.

PCDDs/PCDFs were detected in 5 samples. The highest PCDDs/PCDFs were detected at the southern portion of the area in borings E-3 and E-4 at the 0- to 2-foot increment. Detected constituents included total HxCDFs (up to 0.0013 ppm), total TCDFs (up to 0.0012 ppm), total PeCDDs (up to 0.011 ppm), total PeCDFs (up to 0.0017 ppm), total TCDDs (up to 0.0018 ppm), and total HxCDDs (up to 0.0018 ppm) (Figure 4-5). A summary of all PCDDs/PCDFs analytical results can be found in Table 4-5.

Inorganics were detected in 8 samples. The highest inorganics were detected at the southwestern portion of the area in borings E-1 and E-2. Detected constituents included iron (up to 62,400 ppm), calcium (up to 16,400 ppm), magnesium (up to 6,210 ppm), aluminum (up to 11,700 ppm), and sulfide (up to 483 ppm) (Figure 4-6). A summary of all inorganic analytical results can be found in Table 4-6.

4.3.2.3 GE Lots No. 1 and No. 2

The subsurface soil samples collected within GE Lots No. 1 and 2 originated from soil borings that were located throughout the area (see Figure 4-1). Borings from this area include SB-6, LS-10, LS-39, LS-40, B-1 through B-4 (GE Lot No. 1) and B-1 through B-5 (GE Lot No. 2). As discussed below, PCBs, inorganics, and one VOC were detected in subsurface soils from GE Lots No. 1 and No. 2.

PCBs were detected in 12 of the 25 subsurface soil samples analyzed for PCBs from GE Lots No. 1 and No. 2 (in boring LS-10 only, GE Lot No. 2, from 0 to 24 feet). Concentrations were detected up to 8.9 ppm (LS-10 at 2 to 4 feet) (Figure 4-1 and Table 4-1).

No pesticides/herbicides were detected in this area (Table 4-2). Only one VOC was detected above quantitation limits in one sample from the central portion of GE Lot No. 2 (acetone at 0.013 ppm in boring LS-40 at 10 to 12 feet) (Figure 4-3 and Table 4-3). No SVOCs or PCDDs/PCDFs were detected above quantitations limits in this area (Tables 4-4 and 4-5).

Inorganics were detected in three samples. The highest inorganics were detected in GE Lot No. 1 in boring LS-39 at 10 to 12 feet. Detected inorganics included zinc (up to 58 ppm), copper (up to 26 ppm), nickel (up to 21 ppm), and cobalt (up to 13 ppm) (Figure 4-6). A summary of all inorganic analytical results can be found in Table 4-6.

4.3.2.4 Adjacent Western Area

Subsurface soil samples were collected from four soil borings (LS-42 through LS-45) west of Lyman Street (Figure 4-1) in late April 1996. As discussed below, PCBs, pesticides/herbicides, VOCs, SVOCs, PCDDs/PCDFs and inorganics were detected in subsurface soils from these borings.

PCBs were detected in 40 of the 53 subsurface samples analyzed for PCBs from borings LS-42 through LS-45. Concentrations were detected up to 260 ppm (LS-43 at 24-26 feet) (Figure 4-1 and Table 4-1).

Pesticides/herbicides were detected in only one of the four samples analyzed for Appendix IX+3 constituents. Concentrations of 4,4'-DDD, 4,4'-DDE and Dieldrin were detected at 0.15 ppm, 0.35 ppm and 0.096 ppm respectively in boring LS-43 at 22 to 24 feet. The pesticide/herbicide analytical results can be found on Figure 4-2 and in Table 4-2.

At least one VOC compound was detected in the one soil sample from each of the four borings (LS-42 through LS-45) that was analyzed for VOCs. The presence of acetone was detected above quantitation limits at 0.04 ppm at LS-44 from 22-24 feet. Soil boring LS-43 at 22 to 24 feet indicated the presence of chloroform, carbon tetrachloride, and trichloroethene at concentrations of 6.6 ppm, 2.7 ppm and 2.3 ppm respectively. Soil boring LS-45 at 10 to 12 feet indicated the presence of acetone and ethylbenzene at concentrations of 0.053 ppm and 0.036 ppm respectively. A summary of the VOC analytical results can be found on Figure 4-3 and in Table 4-3.

Only one soil boring location indicated the presence of SVOCs at concentrations above quantitation limits. Soil boring LS-43 at 22 to 24 feet indicated the presence of 1,2,4-trichlorobenzene, fluoranthene, phenanthrene and pyrene at concentrations of 1.1 ppm, 0.5 ppm and 0.52 ppm respectively. A summary of SVOC analytical results can be found on Figure 4-4 and in Table 4-4.

PCDDs/PCDFs were detected in two of the four soil borings analyzed for Appendix IX+3 compounds (LS-43 at 22 to 24 feet and LS-44 at 22 to 24 feet). LS-43 indicated detections of analyzed PCDDs/PCDFs with the exception of 2,3,7,8-TCDD. LS-44 indicated detections of TCDFs and PeCDFs at 0.0000098 ppm and 0.000011 ppm respectively. A summary of PCDD/PCDF data can be found on Figure 4-5 and in Table 4-5.

Several inorganic compounds were detected in soil borings LS-42 at 20 to 22 feet, LS-43 at 22 to 24 feet, LS-44 at 22 to 24 feet, and LS-45 at 10 to 12 feet. Detected inorganics included arsenic (up to 5.5 ppm), chromium (up to 11.9 ppm), cobalt (up to 12.8 ppm), copper (up to 25.9 ppm), lead (up to 33.7 ppm), nickel (up to 20.5 ppm), vanadium (up to 8.2 ppm) and zinc (up to 60.5 ppm). A summary of inorganic analytical results can be found on Figure 4-6 and in Table 4-6.

4.3.2.5 Adjacent Upgradient Areas

As discussed in Section 2.4 of the January 1995 Revised Phase II SOW/RFI Proposal, subsurface soil samples were collected from adjacent upgradient areas of the site on two occasions. On June 25, 1992, as part of a site investigation conducted by Associated Environmental Scientists, Inc., three monitoring wells were installed at 772 East Street. Soil samples were collected at each location, and analyzed for PCBs and VOCs. One soil sample from boring MW-3 was found to contain 6.1 ppm PCBs. Low levels of tetrachloroethene, benzene, toluene, ethylbenzene, xylene, and cis-1,2-dichloroethene were also detected.

In September 1987, as part of an assessment conducted by O'Brien & Gere Engineers, Inc., an underground storage tank was located at 5 Lyman Street, immediately north of GE Lot No. 1. Subsequently, the tank was removed in 1989. Soil samples collected beneath the tank were analyzed for VOCs. Analytical results did not indicate the presence of hydrocarbons. Toluene, ethylbenzene, and m-xylene were all reported at less than 0.05 ppm.

4.4 Subsurface Gas

As discussed in Section 4.3 above, during the installation of the various soil borings at the Lyman Street Parking Lot/Oxbow Area E Site, headspace screening of soil samples was performed in the field with a TIP, HNU, or PID. These headspace readings give a qualitative estimate of the concentration of volatile constituents present in the soil gas. The headspace readings from the various borings at the site are included in Appendix C.

Headspace readings (TIP, HNU, or PID) obtained at the site ranged from 0 to 620 ppm. Samples with elevated headspace readings were generally found at deeper depths, and were generally associated with samples also containing higher detectable concentrations of VOCs. The vertical profile of headspace readings for most borings shows an increase from background levels (less than 1 ppm) near the surface to higher levels at depths between 16 and 20 feet below grade, and then a decrease in headspace readings to depth. This headspace information indicates that volatile constituents may be present in subsurface materials, but that vertical migration of constituents does not appear to be occurring to any appreciable extent.

4.5 Delineation of Extent of Impacted Soils/Fill

The data presented in Sections 4.2 and 4.3, Tables 4-1 through 4-6, and on Figures 4-1 through 4-6 have been evaluated to determine whether the information collected to date as part of various investigative activities have adequately determined the extent of impacted soils/fill at the Lyman Street Parking Lot/Oxbow Area E Site. This evaluation involved the use of PCB concentrations as a surrogate for defining the extent of impact. While the data are not sufficient to allow calculations of volumes of soils affected by the various non-PCB constituents, the PCB data do allow volume estimates of PCB-affected soils (as summarized in Section 4.7), and those estimates should be adequate for performing the risk assessment and evaluating remedial alternatives.

4.5.1 Vertical Extent

The vertical extent of PCBs at the Lyman Street Parking Lot/Oxbow Area E Site has been delineated based on the data presented in Section 4.3, Tables 4-1 through 4-6, and Figures 4-1 through 4-6. An area-by-area evaluation of these data is presented below.

4.5.1.1 Lyman Street Parking Lot Area

As shown on Figure 4-1, the area of the Lyman Street parking lot is characterized by a varying vertical extent of PCBs. In general, the highest PCB concentrations are present between 8 and 16 feet below ground surface, and concentrations generally decrease in the lowest increments of each boring except for isolated instances where DNAPL has been detected (monitoring wells LS-4, LS-30, LS-31, and LS-34). For these localized areas, PCB concentrations increased in the immediate vicinity of the DNAPL.

PCBs were detected to a depth of 26 feet along the southwest side of the parking lot (23 ppm in LS-12, and 1,600 ppm in the deepest increment, 22 to 24 feet, at LS-34), to a depth of 12 feet in the western corner of the parking lot (0.26 ppm in LS-28), and to a depth of 24 feet in the center of the parking lot (130 ppm in LS-8 and 70 ppm in LS-13). At the southeastern side of the parking lot, near the Housatonic River, PCBs were detected to depths ranging from 14 to 24 feet as indicated by borings LS-2, LS-33, LS-35, LS-36, LS-38, and LS-41.

In the northern corner of the parking lot, the vertical extent of PCBs was determined to extend to 4 feet in LS-37. PCBs were detected in the 0- to 2-foot and 2- to 4-foot increments at 0.18 and 0.16 ppm, respectively, and PCBs were not detected from 4 to 24 feet. PCBs were also found to be below 2 ppm below 6 feet at LS-27.

4.5.1.2 WMEC Parcel

In soil borings E-2 through E-7, PCBs were detected in the topmost depths, with concentrations rapidly decreasing with depth and generally not present above 2 ppm below 6 feet in depth. With the exception of boring E-3, all samples were detected below 10 ppm.

In borings LS-GWP-1 through LS-GWP-5, soil was analyzed for PCBs from two depth increments (0 to 6 inches and 21 to 42 inches) at each location. A comparison of PCB data from the upper sample increment (0 to 6 inches) to the PCB data from the lower sampling increment (21 to 42 inches) indicated substantially lower PCB concentrations in the bottom increment in all five borings. PCBs were detected in the upper increment at concentrations between 5.1 ppm and 3,600 ppm. PCBs were detected in the bottom increment at concentrations between 1.5 and 610 ppm.

4.5.1.3 GE Lots No. 1 and 2

Soil samples from three of the soil borings installed in GE Lots No. 1 and No. 2 were analyzed for PCBs at depth. PCBs were not detected in two of these borings (LS-39 and LS-40), to depths of 14 and 12 feet, respectively. In boring LS-10, located in GE Lot No. 2, the highest PCB concentration was 8.9 ppm at 2 to 4 feet. PCBs were also detected at this location at 16 to 18 feet (4.4 ppm), and concentrations were less than 1 ppm in the three increments from 18 to 24 feet.

4.5.1.4 Adjacent Western Areas

PCBs were detected in the four borings (LS-42 through LS-45) installed west of Lyman Street. The highest PCB concentration detected was 260 ppm at boring LS-43 at a depth of 24 to 26 feet. Remaining PCBs were detected at concentrations of less than 10 ppm with the exception of borings LS-44 and LS-45 which had PCB concentrations of 22 ppm and 26 ppm, respectively at the 2- to 4-foot interval.

4.5.2 Horizontal Extent

The horizontal extent of PCBs in soils at the Lyman Street Parking Lot/Oxbow Area E Site has been delineated to an appropriate degree, based on the data presented in Section 4.2, Tables 4-1 through 4-6, and on Figures 4-1 through 4-6.

The Housatonic River defines the southern limit of the horizontal extent of PCBs. Generally, to the east of the site lies the East Street Area 2 Site that is currently being investigated under the MCP. The extent of surficial PCBs on the eastern edge of the site (WMEC parcel) has been determined to have concentrations generally less than 10 ppm (borings LS-GWP-25, -28, and -31), with the exception of LS-GWP-16 (62 ppm), LS-GWP-19 (60 ppm), and LS-GWP-22 (32 ppm).

Surficial and 0- to 2-foot interval soil samples in the northwest portion of the site (GE Lots No. 1 and No. 2) indicated PCB concentrations to be generally less than 1 ppm (borings LS-10, -39, -40, and LS-C-15 through -19) with the exception of LS-C-14 (7.3 ppm). To the southwest of the site lies Lyman Street, and a private commercial property lies west beyond that. Surficial and 0- to 2-foot interval soil data collected in the southwestern portion of the Lyman Street parking lot (borings LS-PL-SS-C1 to LS-PL-SS-C3, LS-C11, LS-C12, and LS-33) generally indicated the presence of PCBs at concentrations less than 10 ppm.

Finally, to the west (borings LS-PL-SS-C4 to LS-PL-SS-C8 and LS-28), surficial and 0- to 2-foot interval soil samples indicated the presence of PCBs at concentrations generally less than 10 ppm.

4.6 Estimation of Volume of Impacted Soils/Fill

In accordance with the Permit requirements, preliminary soil volume estimates for the Lyman Street Parking Lot/Oxbow Area E Site have been developed based on available site information (including the adjacent off-site area west of Lyman Street). This volume estimation was performed for four different PCB concentration ranges: greater than one ppm, greater than 10 ppm, greater than 50 ppm, and greater than 1,000 ppm. These concentrations were selected for illustrative purposes only and do not represent levels of regulatory significance for this project.

Interpolations were performed to develop iso-concentration contours for each of the concentrations ranges. Average depths of PCB presence were determined for each iso-concentration contour. These values were multiplied by corresponding surface areas of each contour (determined using a digital planimeter). The estimated volumes are:

Volume greater than 1 ppm: 170,000 cy

Volume greater than 10 ppm: 90,000 cy

Volume greater than 50 ppm: 60,000 cy

Volume greater than 1,000 ppm: 30,000 cy

5. Groundwater Investigations

5.1 General

This section provides a summary of groundwater investigations and activities conducted at the Lyman Street parking lot, GE Lots Nos. 1 and 2, and Oxbow Area E, as well as a discussion of groundwater sampling results at relevant upgradient areas. A number of hydrogeologic investigations have been conducted at the site since the mid- to late-1980s as outlined in Table 1-1.

The subsections below summarize the groundwater investigations as follows: Section 5.2, Monitoring Well Installation, Section 5.3, Fluid Level Measurements; Section 5.4, In-Situ Hydraulic Conductivity; Section 5.5, Evaluation of Groundwater Flow Patterns; Section 5.6, Groundwater Flow Rate Estimates; Section 5.7, Groundwater Sampling and Analysis; Section 5.8, Occurrence and Recovery of LNAPL; Section 5.9, Occurrence and Investigation of DNAPL; Section 5.10, Overall Summary of Groundwater Impacts; and Section 5.11, Future Groundwater Monitoring Program.

5.2 Monitoring Well Installation

Monitoring wells were installed at the Lyman Street Parking Lot/Oxbow Area E Site during several investigations. Installation of wells prior to February 1994 were summarized in the Phase I Report/CAS. As part of the MCP Supplemental Phase II/RCRA Facility Investigation, the following supplemental borings were installed: LS-28 through LS-41. Twelve of those borings were completed as monitoring wells. Piezometers P-6 and P-7 were also installed. In addition, six borings were installed along the east edge of the property: E-3 through E-8 (as discussed in Section 4.3.1). Three of these E-series borings, E-3, E-4, and E-7, were completed as monitoring wells. Monitoring wells LS-43, LS-44, LS-45, and boring LS-42 were added April 23, 1996 through April 25, 1996 as part of the potential DNAPL assessment on the west side of Lyman Street.

Monitoring wells E-3, E-4, E-7, LS-28, LS-29, LS-30, LS-31, LS-32, LS-33, LS-34, LS-35, LS-36, LS-37, LS-38, LS-41, LS-43, LS-44, and LS-45, were installed between October 12, 1994 and April 25, 1996 using hollow-stem augers. Piezometers P-6 and P-7 were installed by RUST on October 11, 1994. For both of these piezometers, construction consisted of a stainless steel riser with a 5-foot stainless steel 0.02-inch slotted screen. These piezometers were installed along the north bank of the Housatonic River.

Monitoring well dates of installation, screened depth intervals, the base of fill and top of silt are presented in Table 5-1. The boring logs and construction details for these monitoring wells and borings are included in Appendix B.

5.3 Fluid Level Measurements

As discussed in Section 4.3.2.2 of the Phase I Report/CAS, several fluid elevation monitoring rounds have been performed to collect information related to seasonal variations in fluid elevations at the site. These fluid measurements include the depth to air-water interface, air-LNAPL interface, depth to LNAPL-water interface, and depth to water-DNAPL interface. Fluid level measurements for April, September, and November 1991 are presented in Appendix M of the Phase I Report/CAS. In addition, monitoring associated with the performance of STM activities at the site from January 1992 and August 1993 are presented in Appendix J of the Phase I Report/CAS.

Fluid elevation data have been and currently are collected on a weekly basis at 13 wells and 3 piezometers, on a monthly basis at 16 wells and 7 wellpoint/piezometers (P-1 through P-7), and on a quarterly basis at 27 wells and the 7 wellpoint/piezometers. In addition, a staff gauge has been installed directly in the Housatonic River to facilitate the measurement of surface water elevations concurrently with the monitoring well fluid-level measurements. These measurement activities will continue as described in Section 9.3 of the Phase I Report/CAS.

Appendix D of this report presents the groundwater and NAPL level measurements taken at these wells and wellpoint/piezometers from January 1994 through April 1996. Figure 5-1 presents NAPL thicknesses as observed in monitoring wells on April 4, 1996.

Surveyed measurements of the monitoring wells were obtained with respect to the 1929 National Geodetic Vertical Datum (NGVD). Due to physical damage of some of the wells, some of the well casings on the wells have been replaced, and resurveyed. Thus, the measuring point elevations for some locations have changed over time. Fluid levels are based on the NGVD, so they are not affected by these changes.

5.4 In-Situ Hydraulic Conductivity

As described in Section 4.3.3 of the Phase I Report/CAS, an 8-hour pumping test and hydraulic conductivity testing were performed on April 10, 1991 using well RW-1 as the pumping well. Additional hydraulic conductivity tests were performed in November 1991 at wells LS-20 and LS-22 through LS-25. The results of these tests are provided in Appendix M of the Phase I Report/CAS.

Rising head hydraulic conductivity tests were conducted at 12 of the site monitoring wells, following the procedures set forth in the SAP/DCAQAP (BBL, May 1996). These tests were conducted as rising head slug tests, and their data were analyzed using the methods of Hvorslev (1951) and Bouwer and Rice (1976). The Phase II SOW/RFI originally identified wells LS-28, LS-30, LS-31, LS-32, LS-33, LS-34, LS-35, LS-36, and LS-37 for in-situ hydraulic conductivity testing; however, in-situ hydraulic conductivity testing was not conducted at wells LS-30, LS-31, LS-32, LS-33, and LS-34 due to the presence of NAPL in these monitoring wells. Instead, in-situ hydraulic conductivity testing was conducted on September 18, 1995 at wells LS-28, LS-29, LS-38, E-3, E-4, E-7, LS-37, and LS-35. The data for these tests are presented in Appendix E. In addition, hydraulic conductivity tests were conducted on December 21, 1993 by Golder Associates (Golder Associates, March 1996) at wells LS-2, LS-32, LS-33, LS-38, and LS-41.

Computed hydraulic conductivities for the fill and upper sand units range from 4.8×10^{-4} to 4.6×10^{-2} centimeters-per-second (cm/s). The geometric mean of the hydraulic conductivity tests completed in the fill/upper sand hydrogeologic unit above the silt unit is 4.5×10^{-3} cm/s. This compares favorably to the hydraulic conductivity value of 2.1×10^{-3} cm/s as determined by pump testing at well RW-1, using Jacob and Neuman method analyses (Geraghty & Miller, December, 1990).

As presented in Section 4.3.3 of the Phase I Report/CAS, the silt unit hydraulic conductivity was determined to be 6.0×10^{-6} cm/s. This value, which is approximately three orders of magnitude less than the hydraulic conductivity observed in the fill/upper sand unit, indicates that the silt would likely act as a confining layer, retarding the downward migration of DNAPL contained in the fill/upper sand unit.

5.5 Evaluation of Groundwater Flow Patterns

Fluid level measurements obtained during the time frame of the MCP Phase II Investigation (Appendix D) show depths to fluid (LNAPL or water) up to 20.9 feet below grade. Corrected groundwater elevations were computed using an arithmetic mean of sampled LNAPL specific gravities of 0.93 (Golder Associates, March 1996). Figures 5-3 and 5-4 depict the potentiometric surface for the highest and lowest Housatonic River elevations measured adjacent to the site during this period.

In the fill/upper sand hydrogeologic unit, the typical horizontal groundwater gradients are oriented south-southeast, toward the Housatonic River. Since late 1992, the period when recovery wells RW-1 and RW-2 have been operating, shallow cones of depression have been measured in the water table around RW-1 and RW-2. Potentiometric levels obtained from deeper wells LS-22 and LS-25 show that during the period January 1994 to April 1996, the mean upward hydraulic gradient across the silt unit was approximately 0.22 ft/ft.

Hydrographs of groundwater and river levels were compared qualitatively for the period between January 1994 to April 1996. The results indicate that the measured high and low Housatonic River elevations correlated well with the high and low groundwater elevations, respectively. This supports the assumption that the fill/upper sand unit is hydraulically connected with the Housatonic River.

During the period of January 1994 through April 1996, the maximum Housatonic River gauge elevations (976.5 ft MSL) coincide with the maximum water table elevations measured at monitoring wells LS-2 (976.0 ft MSL) and LS-12 (976.4 ft MSL) (Appendix D). At the highest river level on April 14, 1994, a hydraulic gradient of 0.006 feet/feet (ft/ft) to the southwest was computed between the levels measured between contours near LS-12 and LS-2. The hydraulic gradient demonstrated between the Housatonic River gauge and LS-2, however, is 0.006 ft/ft to the north. These data suggest that during periods of high flow levels, the Housatonic River induces a local reversal of groundwater flow gradients. At this April 14, 1994 river level, the river is still lower than the 100-year flood level of 989.7 ft MSL. During higher river levels, the reversal could possibly be more pronounced.

As indicated by the groundwater versus river level hydrographs, there is a temporal correlation between the minimum groundwater levels and the minimum river levels. For the September 7, 1995 data, which presents hydraulic conditions under low water table elevation and river level, the computed site-wide flow gradients resemble the pre-recovery system hydraulic gradients in magnitude and direction (on the order of 0.005 to 0.010 ft/ft southeast) and groundwater discharges to the river, except in the immediate vicinity of the recovery wells.

5.6 Groundwater Flow Rate Estimates

The site-wide groundwater flow rate was estimated using historical groundwater flow gradients. The site-wide groundwater flow rate was calculated using this information and Darcy's Law. The volumetric discharge across a unit area of aquifer was computed by:

$Q=KAi$,

where Q is the volumetric discharge [L^3/T], K is the hydraulic conductivity [L/T], A is the cross-sectional area [L^2], and I is the hydraulic gradient.

Similarly, the average linear velocity of groundwater can be computed by:

$v=Ki/n_e$

where v is the average linear velocity [L/T], K is the hydraulic conductivity [L/T], I is the hydraulic gradient, and n_e is the effective porosity.

Since the low hydraulic conductivity silt unit will act as a confining unit, flow through the fill/upper sand unit can be examined assuming two dimensional flow estimates. The geometric mean hydraulic conductivity of the fill/upper unit was determined to be 4.5 x 10^{-3} cm/s (in Section 5.4 of this report). To estimate the natural flow rates, historical groundwater levels obtained prior to RW-1 and RW-2 recovery operations were used. Specifically, the seasonal high and low water levels obtained prior to recovery system operation, on April 14, 1991 and November 21, 1991, respectively were used. An estimated effective porosity of 0.30 was used in these calculations of the average linear velocity. Total flow rates to the Housatonic River for the high and low water level conditions were estimated between 1.7 and 2.2 gallons-per-minute (gpm), using these parameters along a 470-foot section through LS-2 and LS-24 and computing the flowrate through five cross sections of variable saturated thickness and hydraulic gradient. The corresponding mean average linear velocities were 0.47 to 0.54 feet per day (ft/d).

Based on data collected during recovery operations at RW-1 and RW-2 from January 1993 to February 1996, the combined flow rate of water recovered by the groundwater recovery system ranged from a monthly mean of 1.9 gpm during September 1995 to 9.7 gpm during March 1995, with an overall mean of 5.2 gpm. For the dates depicted on the groundwater contour maps, the mean total flow rates from RW-1 and RW-2 were 5.5 gpm on April 14, 1994, and 2.4 gpm on September 7, 1995 (see Figures 5-3 and 5-4).

The estimated volumetric groundwater flowrate to the river across the site for a high river level condition was estimated using the April 14, 1994 groundwater and river levels. Based on the water level data at wells LS-34, LS-2, LS-6 along the western portion of the site, an estimated background flowrate to the river was computed to be 4.2 gpm. Since the estimated background flowrate was less than the actual flow rate from the recovery wells RW-1 and RW-2, which are screened within the fill/upper sand unit, a portion of the recovery well discharge is likely derived from a source other than the fill/upper sand unit. Further, because the silt unit's hydraulic conductivity is three orders of magnitude lower than the fill/upper sand unit, it is unlikely to provide significant infiltration to the upper sand unit-screened recovery wells. This suggests that a significant component of the recovery well discharge comes from the Housatonic River.

A two-dimensional Analytic Element Method TWODAN(tm) (Fitts, 1993) flow model was used to estimate the volume of groundwater which is crossing the site during operation of the recovery wells. The model was assembled using superimposed analytic solutions. These included: a uniform flow corresponding to the April 14, 1995 and September 7, 1995 hydraulic gradients measured near well LS-34; a series of fully-penetrating, head-specified linear analytic elements representing a constant head condition at the Housatonic River; and fully-penetrating discharge-specified point elements representing the recovery wells RW-1 and

RW-2, each with flow rates of 2.5 gpm (5.0 gpm total discharge). The fill/upper sand unit was modeled with a hydraulic conductivity of 4.5 x 10^{-3} cm/s. The saturated thickness at well LS-34 was used as the reference head condition, and the base of the aquifer was set to correspond to the top of the silt unit (Table 5.1). Based on this Dupuit-Forchheimer (i.e., two-dimensional) flow model, the flowrate to the river through the same cross section used in the previous Darcy flow computations was 1.4 gpm. While operating the wells under this scenario, the flowrate from the river through the same cross section was 0.58 gpm. Based on 20 steady-state flow path computations from each of the wells, the flowrate contribution of water from the simply-modeled Housatonic River was 40 percent of the water captured by the recovery wells. Therefore, for the flow through the unconfined fill and sand unit across the site, this model indicates that the capture zone of the recovery wells extends offsite to the south. In this relatively simplified steady-state flow model, the system appears to control the area of LNAPL detection (See discussion in Section 5.8, of this report).

5.7 Groundwater Sampling and Analysis

5.7.1 History of Groundwater Sampling and Analysis Investigations

This section presents the historical and recent groundwater sampling activities and the data associated with these activities. The historical and recent groundwater sampling activities are presented below followed by a summary of all groundwater analytical data according to area and constituent type. The areas discussed below include GE Lot No. 1 and No. 2, Lyman Street parking lot, the WMEC parcel (Oxbow Area E), and areas upgradient to these properties. Constituents which were detected at estimated concentrations below the CLP-required quantitation limit are not reported in this discussion; however, these data for the site are presented on Tables 5-2 through 5-7 and Figures 5-5 through 5-10.

A pre-MCP soil and groundwater investigation was conducted on August 18 and 19, 1986 by Geraghty & Miller, Inc., to determine the geology and the soil and groundwater quality at GE Lot No. 1 property. The program consisted of drilling four shallow soil borings (B-1 through B-4) and installing two temporary monitoring wells at locations B-2 and B-3. These temporary monitoring wells were designated B-2W (Lot 1) and B-3W (Lot 1). Temporary wells B-2W (Lot 1) and B-3W (Lot 1) were screened from 10 to 20 feet and 15 to 20 feet below grade, respectively. The groundwater samples obtained from these temporary wells were submitted to IT Analytical Services for VOC analyses. Groundwater analytical results from this investigation are discussed below under GE Lots No. 1 and 2.

A pre-MCP investigation was conducted on November 10 and 11, 1986 by Geraghty & Miller, Inc., on behalf of GE. This investigation involved the installation of five soil borings (B-1 through B-5), two of which were converted to temporary monitoring wells (B-2W and B-5W). Groundwater samples were collected from wells B-2W and B-5W and submitted to ERCO of Cambridge, Massachusetts for analysis of VOCs. Temporary wells B-2W and B-5W are located at GE Lot No. 2. Groundwater analytical results from this investigation are discussed below in Section 5.7.2.1 -- GE Lots No. 1 and 2.

As shown on Figure 1-3, wellpoint WP-6 was installed in October 1988 adjacent to Lyman Street parking lot, the former oxbow and the Housatonic River (Geraghty & Miller, December 1990). Groundwater samples were collected from wellpoint WP-6 in October 1988 and analyzed for priority pollutant VOCs, base/neutral extractable organics, acid extractable organics, pesticides, PCBs, metals, phenols, and cyanide. Analytical results are presented in Section 5.7.2.2 -- Lyman Street Parking Lot.

Another pre-MCP investigation was performed by Geraghty & Miller in August 1989 and involved the drilling and sampling of six soil borings (LS-1 through LS-6) at the locations illustrated in Figure 4-1. The two soil borings (LS-2 and LS-4) which were located in the parking lot and within the former river channel of this oxbow were completed as monitoring wells. Groundwater samples collected from these two wells were analyzed for PCBs, VOCs, and base/neutral organic compounds. Groundwater analytical results from this investigation are discussed below in Section 5.7.2.2 - Lyman Street Parking Lot.

The MCP investigations began with a soil boring, well installation, and groundwater monitoring program carried out by Geraghty & Miller during September and October 1990. During this program, a total of seven borings (LS-7 through LS-13) were installed, four of which were converted to monitoring wells (LS-10 through LS-13). A total of six monitoring wells (LS-2, LS-4, LS-10, LS-11, LS-12, and LS-13) were sampled during the 1990 groundwater sampling program. Monitoring well LS-10 is located at GE Lot 2, while the remaining wells are located at the Lyman Street parking lot. Groundwater samples were collected from monitoring wells LS-2 and LS-4 in September 1990 to characterize groundwater quality within the former river channel. These groundwater samples were analyzed for Appendix IX+3 constituents. To characterize groundwater quality outside the former oxbow, samples were collected from wells LS-10, LS-11, LS-12, and LS-13 in October 1990. Wells LS-10 and LS-11 were analyzed for Appendix IX+3 constituents, while LS-12 and LS-13 were analyzed for both Target Compound List (TCL) and Target Analyte List (TAL) constituents. Analytical results for monitoring well LS-10 are presented below in Section 5.7.2.1 -- GE Lots No. 1 and 2. Analytical results for the other monitoring wells are discussed below in Section 5.7.2.2 -- Lyman Street Parking Lot.

Monitoring well E-1 was installed on March 25, 1991 at the WMEC parcel (Oxbow Area E). A sample was collected in December 1991 from this well and analyzed for Appendix IX + 3 constituents. Results from this analysis are discussed below in Section 5.7.2.3 -- Oxbow Area E.

After approval by the Agencies' of a portion of the February 1994 Phase II/RFI Proposal, GE retained RUST to complete installation of two monitoring wells (LS-32 and LS-33), two wellpoints (P-6 and P-7), well development of ten wells (LS-10 through LS-13, LS-20, LS-22, LS-24, LS-25, LS-32 and LS-33), collection of nine soil and groundwater samples, and data validation. In October 1994, groundwater samples were collected from monitoring wells LS-10, LS-11, LS-12, LS-20, LS-22, LS-24, LS-25, LS-32 and LS-33, and submitted for analyses of VOCs, SVOCs, and PCBs. Analytical results from this sampling event are discussed in Sections 5.7.2.1 for well LS-10 (GE Lots No. 1 and 2) and 5.7.2.2 for the other wells (Lyman Street Parking Lot).

Additional monitoring wells were installed as part of the MCP Phase II Scope of Work (Golder Associates, January 1995) and the MCP Phase II Scope of Work Addendum (Golder Associates, May 1995). Monitoring wells LS-28, LS-30, LS-31, LS-32, LS-33, LS-34, LS-35, LS-36, LS-37, LS-38 and LS-41 were installed at the Lyman Street parking lot and wells E-3, E-4, and E-7 were installed at Oxbow Area E. Groundwater samples were obtained from monitoring wells at the site in November and December 1995 and analyzed for Appendix IX + 3 constituents (excluding herbicides and organophosphorus pesticides). Groundwater samples were obtained from the following monitoring wells:

- Well LS-10 located at GE Lot No. 2;

- Wells LS-11, LS-12, LS-20, LS-24, LS-25, LS-28, LS-29, LS-34, LS-36, and LS-37 located at Lyman Street parking lot; and
- Wells E-1, E-3, E-4, and E-7 located at Oxbow Area E.

As part of the field activities for the soil/DNAPL investigation west of Lyman Street in the vicinity of LS-34, four soil borings (LS-42 through LS-45) were installed in April 1996. Three of these soils borings, LS-43, LS-44 and LS-45 were converted to monitoring wells. These wells have been developed, but they have not been sampled.

5.7.2 Analytical Results

Analytical results of the groundwater samples collected at the above mentioned wells are presented below for each respective area at the site.

5.7.2.1 GE Lots No. 1 and 2

Temporary monitoring wells B-2W and B-3W are located at the GE Lot No. 1. Groundwater samples were collected from these temporary wells during the August 1986 sampling event and were analyzed for VOCs (Geraghty & Miller, November 1986).

Temporary monitoring wells B-2W and B-5W and monitoring well LS-10 are located at the GE Lot No. 2 property. Groundwater samples were collected from temporary wells B-2W and B-5W during the November 1986 sampling event and analyzed for VOCs (BBL, February 1994). Groundwater samples were collected from monitoring well LS-10 during the September/October 1990 sampling event and analyzed for

Appendix IX + 3 constituents, during the October 1994 sampling event and analyzed for VOCs, SVOCs, and PCBs, and during the November/December 1995 sampling event and analyzed for Appendix IX + 3 constituents (excluding herbicides and organophosphorus pesticides). Analytical results are presented below for each event followed by a generalized summary of the constituents detected in groundwater at GE Lot No. 2.

VOCs

Groundwater analytical results indicate the presence of tetrachloroethene at temporary wells B-2W (Lot-1) and B-3W (Lot-1), both located at GE Lot No. 1, at concentrations of 0.024 and 0.027 ppm, respectively.

Groundwater collected from well B-2W (Lot 2) during the November 1986 sampling event exhibited the presence of tetrachloroethene at 0.023 ppm as well as 1,1,1-trichloroethane at 0.0023 ppm. Groundwater at well B-5W (Lot 2) exhibited the presence of tetrachloroethene at 0.016 ppm, 1,1,1-trichloroethane at 0.0022 ppm, and toluene at 0.0027 ppm.

The results of the VOC analyses of groundwater samples from well LS-10 (GE Lot No. 2) for the September/October 1990, the October 1994, and the November/ December 1995 sampling events indicate low concentrations of tetrachloroethene (0.018, 0.015, and 0.014 ppm, respectively). These VOC sampling results are presented in Table 5-4 and on Figure 5-7.

SVOCs

As shown in Table 5-5, there were no detectable levels of SVOCs at well LS-10 during the September/October 1990, the October 1994, or the November/December 1995 sampling events.

PCBs

For the September/October 1990 and October 1994 sampling events, the unfiltered samples collected from well LS-10 contained PCB Aroclor 1254 at a concentrations of 0.0018 and 0.0065 ppm, respectively. For the November/ December 1995 sampling event of well LS-10, both filtered and unfiltered samples indicate the presence of PCB Aroclor 1254 at concentrations of 0.0019 and 0.0064 ppm, respectively. These data may be found in Table 5-2 and on Figure 5-5.

Pesticides/Herbicides

There were no detectable levels of pesticides/herbicides in the groundwater sample collected from well LS-10 during the September/October 1990 and November/ December 1995 sampling events (Table 5-3). Pesticides/herbicides were not analyzed for during the October 1994 sampling event.

PCDDs/PCDFs

There were no detectable levels of PCDD/PCDF compounds in the groundwater sample collected from well LS-10 during the September/October 1990 sampling event. Three PCDFs were detected at well LS-10 during the November/ December 1995 sampling event and included TCDFs (0.0000000064 ppm), PeCDFs (0.000000033 ppm), and HxCDFs (0.000000055 ppm). These data are presented in Table 5-6 and Figure 5-9.

Metals

Only low concentrations of several metals including barium (0.12 ppm), copper (0.03 ppm), and zinc (0.21 ppm) were detected at well LS-10 during the September/October 1990 sampling event. Both filtered and unfiltered groundwater samples from well LS-10 were analyzed for metals during the November/December 1995 sampling event. Analytical results indicate the presence of lead (0.0099 ppm) and zinc (0.0742 ppm) in the unfiltered sample. No metals were detected above the detection limit in the filtered sample. These data are presented in Table 5-7 and on Figure 5-10.

Summary

In summary, the constituents detected in groundwater at GE Lots No. 1 and 2 and the range of detected concentrations include:

VOCs	Range of Concentration (ppm)
Tetrachloroethene	0.014 to 0.027
1,1,1-Trichloroethane	0.0022 to 0.0023
Toluene	0.0027
PCBs	
PCB Aroclor 1254	0.0018 to 0.0065
PCDDs/PCDFs	
TCDFs	0.0000000064
PeCDFs	0.000000033
HxCDFs	0.000000055
Metals	
Barium	0.12
Copper	0.03
Lead	0.0099
Zinc	0.0742 to 0.21

5.7.2.2 Lyman Street Parking Lot

The monitoring wells installed at the Lyman Street parking lot, as a result of several subsurface investigations, are shown on Figure 1-3. Groundwater samples were collected from select monitoring wells as shown on the table below.

Groundwater Sampling Event	Monitoring Well(s) Sampled from Lyman Street Parking Lot	Analytical Parameters
October 1988	WP-6	Priority Pollutant VOCs, Base/Neutral & Acid Extractable Organics, Pesticides, PCBs, Metals, Phenols, and Cyanide
August 1989	LS-2 and LS-4	VOCs, PCBs, Base/Neutral Organic Compounds
September/October 1990	LS-2, LS-4, LS-11, LS-12, and LS-13	LS-2, LS-4, LS-11 - Appendix IX + 3 constituents. LS-12 and LS-13 - TCL/TAL constituents
October 1994	LS-11, LS-12, LS-20, LS-22, LS-24, LS-25, LS-32, and LS-33	VOCs, SVOCs, PCBs
November/December 1995	LS-11, LS-12, LS-20, LS-24, LS-25, LS-28, LS-29, LS-34, LS-36, and LS-37	Appendix IX + 3 constituents (excluding herbicides and organophosphorus pesticides)

Analytical results are presented below for each event followed by a summary of the constituents detected in groundwater at Lyman Street parking lot.

<u>VOCs</u>

The VOC results discussed below are presented in Table 5-4 and on Figure 5-7. Analytical results for wellpoint WP-6 from the October 1988 sampling event indicate the presence of benzene (0.36 ppm), chlorobenzene (2.4 ppm), and ethylbenzene (0.01 ppm).

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The VOCs detected in the groundwater samples collected from wells LS-2 and LS-4 during the August 1989 sampling event were benzene (0.34 ppm at well LS-2), chlorobenzene (2.5 ppm at well LS-2 and 0.67 ppm at well LS-4), and carbon tetrachloride (4 ppm at well LS-4).

The analytical results of the September/October 1990 VOC analysis indicate that well LS-2 contained chlorobenzene (14 ppm) and total xylenes (7.8 ppm) and well LS-4 contained total xylenes (1.8 ppm), carbon tetrachloride (1.9 ppm), chlorobenzene (0.88 ppm), trichloroethene (0.33 ppm), chloroform (0.18 ppm), ethylbenzene (0.11 ppm), and benzene (0.081 ppm). Several VOCs were detected in wells LS-11, LS-12 and LS-13, including benzene, carbon tetrachloride, chlorobenzene, chloroform, ethylbenzene, tetrachloroethene, trichloroethene, and total xylenes as shown below.

Constituent	LS-11	LS-12	LS-13
Benzene	0.082	--	0.03
Carbon Tetrachloride	--	0.15	--
Chlorobenzene	2.6	0.035	0.4
Chloroform	--	0.038	--
Ethylbenzene	0.078	--	0.036
Tetrachloroethene	--	0.01	--
Trichloroethene	0.014	0.32	--
Total Xylenes	0.12	0.054	0.26

During the October 1994 sampling event, several VOCs were detected at monitoring wells LS-11, LS-12, LS-20, LS-32 and LS-33. No VOCs were detected above quantitation limits at monitoring wells LS-22, LS-24, or LS-25. Benzene (0.016 ppm), chlorobenzene (0.33 ppm), ethylbenzene (0.005 ppm), total xylenes (0.008 ppm) were detected at lower concentrations at well LS-11 than the previous groundwater sampling event in September/October 1990. Chloroform (0.037 ppm), carbon tetrachloride (0.07 ppm), chlorobenzene (0.005 ppm), trichloroethene (0.093 ppm), tetrachloroethene (0.006 ppm), and total xylenes (0.045 ppm) were detected at well LS-12 at lower concentrations than the previous groundwater sampling event in September/October 1990. The following constituents were detected at wells LS-20, LS-32, and LS-33 during the October 1994 sampling event:

Constituent	LS-20	LS-32 (LS-32 Duplicate)	LS-33
Vinyl Chloride	--	0.27 (0.24)	--
1,2-Dichloroethene (total)	--	0.55 (0.52)	--
Chloroform	--	0.029 (0.013)	--
Trichloroethene	--	0.035 (0.025)	--
Benzene	0.19	0.2 (0.19)	1.5
Toluene	--	0.074 (0.08)	--
Chlorobenzene	0.11	2.5 (2.7)	6.5
Ethylbenzene	0.11	0.14 (0.15)	0.13
Total Xylene	0.057	0.94 (1.0)	0.64

Analytical results from the groundwater samples collected during the November/December 1995 sampling event indicate VOCs were not detected above the detection limits at wells LS-24, LS-25, LS-29, and LS-36. Only one VOC was detected in the groundwater at wells LS-11 (chlorobenzene, 1.5 ppm), LS-28 (tetrachloroethene, 0.023 ppm), and LS-37 (benzene, 0.019 ppm and 0.018 ppm - duplicate sample). Several VOCs were detected in the groundwater sample from wells LS-12, LS-20, and LS-34 as follows:

VOCs	LS-12	LS-20	LS-34
Benzene	--	0.094	--
Chlorobenzene	0.014	0.076	--
Chloroform	0.057	--	0.056
Carbon tetrachloride	0.077	--	0.42
Ethylbenzene	--	0.08	--
Trichloroethene	0.2	--	0.54
Tetrachloroethene	0.005	--	--
Xylene	0.02	0.037	0.066

SVOCs

The SVOCs results discussed below are presented in Table 5-5 and on Figure 5-8. The following SVOCs were detected in groundwater at wellpoint WP-6 during the October 1988 sampling: acenaphthene (0.032 ppm), 1,3-dichlorobenzene (0.013 ppm), 1,4-dichlorobenzene (0.026 ppm), fluorene (0.012 ppm), naphthalene (0.011 ppm), phenanthrene (0.017 ppm) and phenols (0.04 ppm). During the August 1989 sampling event, twelve PAHs were detected in the groundwater sample from well LS-2 (the total PAH concentration was 8.575 ppm). In addition, benzylbutylphthalate (0.48 ppm); 1,2-, 1,3-, and 1,4-dichlorobenzene (0.047, 0.24, and 1.5 ppm, respectively); and 1,2,4-trichlorobenzene (0.58 ppm) were detected at well LS-2. Fifteen PAHs were detected in the groundwater sample from well LS-4 (the total PAH concentration was 13.612 ppm). Other base neutral organic compounds detected at this location included 1,4-dichlorobenzene (0.093 ppm) and 1,2,4-trichlorobenzene (0.51 ppm).

The September/October 1990 analytical results for SVOCs indicate the presence of several similar compounds to those detected during the previous sampling event in August 1989 at both wells LS-2 and LS-4, including PAHs and other SVOCs, such as 1,4-dichlorobenzene (0.42 ppm at well LS-2 and 0.064

ppm at well LS-4) and 1,2,4-trichlorobenzene (0.059 ppm at well LS-2 and 0.1 ppm at well LS-4). In addition, 1,2-dichlorobenzene (0.011 ppm) and 1,3-dichlorobenzene (0.11 ppm) were detected at well LS-2. Concentrations of total PAHs were 0.24 ppm at well LS-2 and 5.29 ppm at well LS-4. These detected SVOCs are consistent with the constituents detected at these locations during the August 1989 sampling event except that concentrations decreased at both wells. Groundwater samples were also collected from wells LS-11, LS-12, and LS-13 during the September/October 1990 sampling event. Only 1,2,4-trichlorobenzene was detected at well LS-12 at a concentration of 0.26 ppm. SVOCs, including 1,3-dichlorobenzene (0.014 ppm), 1,4-dichlorobenzene (0.025 ppm), 2-methylnaphthalene (0.013 ppm), and naphthalene (0.25 ppm) were detected at well LS-11. SVOCs were detected at well LS-13 and consisted of 1,3- and 1,4-dichlorobenzene and seven PAHs.

The October 1994 analytical results for groundwater samples collected from wells LS-24 and LS-25 indicate SVOCs were not detected at these locations. However, analytical results for the groundwater samples collected from wells LS-11, LS-12, LS-20, LS-22 LS-32, and LS-33 indicate the presence of several SVOCs. Analytical results indicate that benzyl alcohol (0.024 ppm) was the only constituent detected above the detection limit at well LS-11 and 1,2,4-trichlorobenzene (1.2 ppm) was the only constituent detected above the detection limit at well LS-12. The groundwater samples from both wells LS-20 and LS-22 contained 1,4-dichlorobenzene (0.011 and 0.013 ppm, respectively) and the same five PAHs, including naphthalene, 2-methylnaphthalene, acenaphthene, fluorene, and phenanthrene. Two PAHs, including naphthalene and 2-methylnaphthalene, and 1,2-, 1,3-, and 1,4-dichlorobenzene were detected above the detection limit at well LS-32. The groundwater sample from well LS-33 contained 1,4-

dichlorobenzene (0.33 ppm) and two PAHs, including 2-methylnaphthalene (0.23 ppm) and phenanthrene (0.37 ppm).

Analytical results from the groundwater samples collected for the November/December 1995 sampling event indicate SVOCs were detected above the detection limit in four of the ten wells sampled at Lyman Street parking lot. No SVOCs were detected above the detection limit in the groundwater at wells LS-24, LS-25, LS-28, LS-29, LS-36, and LS-37. Two SVOCs including 2-chlorophenol (0.011 ppm), and p-dichlorobenzene (0.013 ppm) were detected in the groundwater at well LS-11. One SVOC, 1,2,4-trichlorobenzene (1 ppm), was detected in the groundwater at well LS-12. Four PAHs, including acenaphthene (0.22 ppm), fluorene (0.066 ppm), naphthalene (0.33 ppm), and phenanthrene (0.082 ppm) were detected in the groundwater at well LS-20. Only 1,2,4-trichlorobenzene (1.2 ppm) was detected in the groundwater at well LS-34.

PCBs

The PCB sampling results discussed below are presented in Table 5-2 and on Figure 5-5. PCB Aroclor 1260 was detected at wellpoint WP-6 at a concentration of 0.023 ppm during the October 1988 sampling. The August 1989 filtered groundwater analytical results of the samples collected from wells LS-2 and LS-4 indicated that PCB Aroclor 1254 was present in the groundwater at concentrations ranging from 0.018 to 0.8 ppm.

Analytical results from unfiltered groundwater samples collected from wells LS-2, LS-4, LS-11, LS-12, and LS-13 in September/October 1990 indicate the presence of PCB Aroclor 1254. Groundwater from well

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LS-2 contained PCB Aroclor 1254 at a concentration of 0.9 ppm. PCB Aroclor 1254 was also detected at well LS-4 at a concentration of 0.009 ppm. Wells LS-11, LS-12, and LS-13 contained of PCB Aroclor 1254 at concentrations of 0.12 ppm, 1.2 ppm, and 2.1 ppm, respectively.

Analytical results from unfiltered groundwater samples collected for the October 1994 sampling event indicate that PCB Aroclor 1254 was detected in the groundwater at wells LS-11, LS-12, LS-20, LS-22, LS-24, LS-25, LS-32 and LS-33 at concentrations ranging from 0.0022 ppm at well LS-25 to 47 ppm (non-standard Aroclor pattern) at well LS-12 during the October 1994 sampling event. PCB Aroclor 1260 was detected in the groundwater at wells LS-12, LS-32 and LS-33 at concentrations of 4.6 ppm, 0.022 ppm ([non-standard Aroclor pattern] 0.011 ppm in the duplicate sample), and 3 ppm, respectively. PCB Aroclor 1242 was only detected at in the groundwater at well LS-11 at a concentration of 0.046 ppm. The laboratory noted an altered Aroclor pattern for all Aroclor 1260 detections, the Aroclor 1242 detection, and some of the Aroclor 1254 detections (see Table 5-2).

PCB Aroclor 1254 was detected in both the filtered and unfiltered groundwater samples collected from all wells sampled during the November/December 1995 sampling event with the exception of the filtered sample collected from well LS-37. The concentrations of the filtered samples ranged from 0.00021 ppm at well LS-36 to 0.42 ppm at well LS-12. The concentrations of the unfiltered samples ranged from 0.00011 ppm at well LS-37 (0.0004 ppm well LS-37 duplicate sample) to 32 ppm at well LS-34.

Pesticides/Herbicides

The pesticide/herbicide sampling results discussed below are presented in Table 5-3 and on Figure 5-6.

Pesticides were not detected at wellpoint WP-6 in October 1988. During the September/October 1990 sampling event, there were no detectable levels of organochlorine pesticides, organophosphorus pesticides or herbicides at wells LS-2, LS-4, and LS-13. Low levels of the organochlorine pesticides Aldrin (0.0013 ppm) and BHC-beta (0.0004 ppm) were detected at well L-11, and endosulfan I was detected at well LS-12 at a concentration of 0.011 ppm.

During the November/December 1995 sampling event, there were no detectable levels of pesticides or herbicides in the groundwater at wells LS-20, LS-25, LS-28, LS-36, or LS-37. Endrin aldehyde (0.001 ppm), 4,4'-DDE (0.0017 ppm), and heptachlor epoxide (0.0011 ppm) were detected in the groundwater at well LS-11. Groundwater at well LS-12 contained 4,4'-DDE and 4,4'-DDT at concentrations of 0.26 and 0.11 ppm, respectively. Well LS-24 contained heptachlor at a concentration of 0.000054 ppm. Groundwater at wells LS-29 and LS-34 also contained 4,4'-DDE at concentrations of 0.00092 and 0.18 ppm, respectively. Well LS-34 also contained heptachlor epoxide at a concentration of 0.096 ppm.

PCDDs/PCDFs

The PCDD/PCDF sampling data discussed below are presented in Table 5-6 and on Figure 5-9. There were no detectable levels of PCDD/PCDF compounds at wells LS-11, LS-12, or LS-13 during the September/October 1990 sampling event. During the September/October 1990 sampling event, PCDF compounds were detected at both wells LS-2 and LS-4 at concentrations ranging from 0.000031 to 0.00271 ppm. Only one dioxin isomer (hexachlorodibenzodioxin) was detected at well LS-2 at a concentration of 0.0000033 ppm.

During the November/December 1995 groundwater sampling event, there were no PCDD/PCDF compounds detected above the detection limit at wells LS-24, LS-25, LS-29, and LS-36. Groundwater at wells LS-28 and LS-37 contained TCDFs at concentrations of 0.0000000061 and 0.000000015 ppm, and OCDD at concentrations of 0.00000013 and 0.0000004 ppm, respectively. There were no detections of TCDFs in the duplicate sample collected from well LS-37; however, OCDD was detected at a concentration of 0.00000036 ppm. Groundwater at wells LS-11, LS-12, LS-20, and LS-34 contained several PCDD/PCDF compounds as shown on Table 5-6 and Figure 5-9.

Metals

The metals sampling data discussed below are presented in Table 5-7 and on Figure 5-10. Copper (0.01 ppm) and zinc (5.3 ppm) were detected at wellpoint WP-6 in October 1988. During groundwater sampling in September/October 1990, low levels of several metals including barium, beryllium, chromium, copper, lead, and zinc, and sulfide were detected in groundwater at both wells LS-2 and LS-4. Nickel and vanadium were also detected at well LS-2 at low concentrations. Several metals including aluminum, calcium, iron, magnesium, manganese, sodium, and zinc, were detected at both wells LS-12 and LS-13. Barium, copper, lead, and mercury were detected in the groundwater sample from well LS-13 at low concentrations. Only low concentrations of several metals including barium, copper, and zinc, were detected at well LS-11.

During the November/December 1995 sampling event, the following metals were detected in the filtered groundwater samples:

Dissolved Metals	Range of Concentration (ppm)	Well Location(s)
Arsenic	0.016	LS-11
Zinc	0.0235 to 0.0819	LS-11, LS-12, LS-28

The following metals were detected in the unfiltered groundwater samples:

Metals	Range of Detected Concentrations (ppm)	Well Location(s) - (Duplicate)
Arsenic	0.0196 to 0.034	LS-11, LS-28, LS-36, LS-37 - (LS-37)
Barium	0.235 to 0.253	LS-12, LS-37 - (LS-37)
Cadmium	0.0064	LS-37 - (LS-37)
Chromium	0.0147 to 0.078	LS-20, LS-24, LS-28, LS-36, LS-37 - (LS-37)
Copper	0.0466 to 1.4	LS-28, LS-36, LS-37 - (LS-37)
Lead	0.0035 to 0.914	LS-11, LS-12, LS-20, LS-28, LS-34, LS-36, LS-37 - (LS-37)
Nickel	0.0431 to 0.211	LS-24, LS-28, LS-37 - (LS-37)
Tin	0.253	LS-37 - (LS-37)
Vanadium	0.0708	LS-37 - (LS-37)
Zinc	0.0263 to 2.820	LS-11, LS-12, LS-20, LS-24, LS-28, LS-34, LS-36, LS-37 - (LS-37)
Sulfide	1.9 to 4.1	LS-20, LS-37 - (LS-37)

<u>Summary</u>

VOCs Summary

Several VOCs have been detected in groundwater at the Lyman Street parking lot within the fill/upper sand hydrogeologic unit and most of the detections have occurred at well locations along the southwestern (LS-28, LS-34, LS-12) and southern (LS-20, LS-4, LS-11, LS-32, LS-2, LS-33, and wellpoint WP-6) areas of the property. Well LS-13 located in the central portion of the site contained four VOCs. No VOCs have been detected above detection limits at wells located along the southeastern and eastern areas of the property (LS-22, LS-24, LS-25, LS-29, or LS-36) and only one VOC (benzene) was detected at well LS-37 located in the northern area of the site. Wells LS-24, LS-29, and LS-36 are screened in the fill/upper sand hydrogeologic unit and wells LS-22 and LS-25 are screened in the silt and lower sand units, respectively. The following table summarizes the VOCs detected in groundwater at Lyman Street parking lot, the number of detections, the ranges of detected concentrations, and well locations.

VOCs	Range of Detected Concentrations (ppm)	Well Location(s)/ (Number of Detections/Number of Times Sampled)	Comments
Benzene	0.016 ppm (at well LS-11) to 1.5 ppm (at well LS-33	WP-6 / (1/1) LS-2 / (½) LS-4 / (½) LS-11 / (2/3) LS-13 / (1/1) LS-20 / (2/3) LS-32 / (1/1) LS-33 / (1/1) LS-37 / (1/1)	Benzene was detected in groundwater at concentrations up to 0.0016 ppm at 772 East Street upgradient of the site.
Carbon Tetrachloride	0.07 ppm (at LS-12) to 4 ppm (at LS-4)	LS-4 / (2/2) LS-12 / (3/3) LS-34 / (1/1)	None
Chlorobenzene	0.005 ppm (at LS-12) to 14 ppm (at LS-2)	WP-6 / (1/11) LS-2 / (2/2) LS-4 / (2/2) LS-11 / (3/3) LS-12 / (3/3) LS-13 / (1/1) LS-20 / (2/2) LS-32 / (1/1) LS-33 / (1/1)	None
Chloroform	0.029 ppm (at LS-32) to 0.18 ppm (at LS-4)	LS-4 / (½) LS-12 / (3/3) LS-32 / (1/1) LS-34 / (1/1)	Chloroform was detected in groundwater at B-2W located upgradient at GE Lot No. 2.

VOCs	Range of Detected Concentrations (ppm)	Well Location(s)/ (Number of Detections/Number of Times Sampled)	Comments
1,2-Dichloroethene (total)	0.55	LS-32 / (1/1)	Cis-1,2-dichloroethene was detected in the groundwater at a property upgradient of the Lyman Street parking lot.
Ethylbenzene	0.005 ppm (at LS-11) to 0.14 ppm (at LS-32)	WP-6 / (1/11) LS-4 / (½) LS-11 / (2/3) LS-13 / (1/1) LS-20 / (2/2) LS-32 / (1/1) LS-33 / (1/1)	Ethylbenzene was detected in groundwater at four upgradient properties.
Tetrachloroethene (PCE)	0.005 to 0.01 ppm (at LS-12)	LS-12 / (3/3) LS-38 / (1/1)	PCE was detected in groundwater at an upgradient property and at GE Lot No. 2
Toluene	0.074	LS-32 / (1/1)	Toluene was detected in groundwater at four upgradient properties and GE Lot No. 2
Trichloroethene (TCE)	0.014 ppm (at LS-11) to 0.54 ppm (at LS-34)	LS-4 / (½) LS-11 / (1/3) LS-12 / (3/3) LS-32 / (1/1) LS-34 / (1/1)	TCE was detected in groundwater at three upgradient properties and GE Lot No. 2
Xylenes	0.008 ppm (at LS-11) to 7.8 ppm (at LS-2)	LS-2 / (½) LS-4 / (½) LS-11 / (2/3) LS-12 / (3/3) LS-13 / (1/1) LS-20 / (2/2) LS-32 / (1/1) LS-33 / (1/1) LS-34 / (1/1)	Xylenes were detected in groundwater at five upgradient properties.
Vinyl Chloride	0.27 ppm	LS-32 / (1/1)	None

In general, where wells have been sampled more than once (LS-4, LS-11, LS-12, LS-20), the concentrations of most constituents have decreased.

SVOCs Summary

Several SVOCs, predominately PAHs and dichlorobenzenes have been detected in groundwater at the Lyman Street parking lot within the fill/upper sand hydrogeologic unit and at well locations along the southern perimeter of the property (wells LS-2, LS-4, LS-11, LS-20, LS-32, and LS-33 and wellpoint WP-6).

Constituents detected at wells LS-2 and LS-4 which have been sampled more than once indicate concentrations have decreased over time. SVOC detections at well LS-11 have not been consistent as illustrated in the table below.

September/ October 1990	October 1994	November/December 1995
1,3-dichlorobenzene (0.014 ppm) 1,4-dichlorobenzene (0.025 ppm) 2-methylnaphthalene (0.013 ppm) naphthalene (0.25 ppm)	benzyl alcohol (0.024 ppm)	2-chlorophenol (0.011 ppm) 1,4-dichlorobenzene (0.013 ppm)

Well LS-22, also located along the southern edge of the property and screened in the silt unit, contained 1,4-dichlorobenzene (0.013 ppm) and 5 PAHs, including naphthalene, 2-methylnaphthalene, acenaphthene, fluorene, and phenanthrene (at a total PAH concentration of 0.73 ppm). During the October 1994 sampling event, well LS-20, which is clustered with well LS-22, contained the same five PAHs and 1,4-dichlorobenzene as monitoring well LS-22. Well LS-20 was sampled again in November/December 1995 and similar PAHs, including acenaphthene, fluorene, naphthalene, and phenanthrene were detected at concentrations slightly higher than in October 1994. Well LS-25, also clustered with wells LS-20 and LS-22, is screened in the lower sand unit, did not contain any SVOCs.

Well LS-13 located in the central portion of the site also contained several PAHs and dichlorobenzenes. The wells located along the southwestern perimeter of the site (wells LS-34 and LS-12) contained only 1,2,4-trichlorobenzene. 1,2,4-Trichlorobenzene has been detected consistently at well LS-12 with concentrations slightly increasing (0.26 ppm, 1.2 ppm, and 1 ppm). No SVOCs have been detected above detection limits at wells located along the southeastern (LS-24, LS-25, LS-29, or LS-36) and northern (LS-28 and LS-37) areas of the property.

PCBs Summary

PCBs have been detected in the groundwater at the Lyman Street Parking Lot Site in each of the groundwater investigations (non-standard Aroclor patterns noted in certain instances). PCB Aroclor 1254 has consistently been detected in each well sampled. The presence of PCB Aroclor 1260 was detected during the October 1994 sampling event in wells LS-12, LS-32 and LS-33 which border the southwestern portion of the site. PCB Aroclor 1260 was also detected at wellpoint WP-6 located adjacent to the former oxbow and the Housatonic River. PCB Aroclor 1242 was also detected during the October 1994 sampling event in well LS-11 located on the southern border of the property. Neither of those two PCB Aroclors were detected during the November/December 1995 sampling event.

Pesticides/Herbicides Summary

Organochlorine pesticides, organophosphorus pesticides, and herbicides were not analyzed for during the August 1989 and October 1994 sampling events. No pesticides were detected at wellpoint WP-6. No pesticides or herbicides have been detected in the northern or central portion of the site (LS-13, LS-28 and LS-37).

During the September/October 1990 sampling event, groundwater samples from the southern and western portion of the site exhibited low levels of pesticides, Aldrin and BHC-beta (LS-11), and endosulfan I (LS-12), respectively. The groundwater sampled during November/December 1995 had detectable levels of Endrin aldehyde, 4,4'-DDE, 4,4'-DDT, heptachlor, heptachlor epoxide along the western and southern borders of the site (LS-11, LS-12, LS-24, and LS-34). 4,4'-DDE was also detected in the eastern portion of the site (LS-29). The types of pesticides/herbicides detected during the September/October 1990 sampling event in wells LS-11 and LS-12 are not consistent with the pesticides/herbicides detected during the November/December 1995 sampling.

PCDD/PCDF Summary

PCDD/PCDF compounds were detected in the groundwater at wells LS-2, LS-4, LS-11, LS-12, LS-20, LS-34, located along the southern and southwestern areas of the site and at wells LS-28 and LS-37 located at the northern perimeter of the site. PCDF/PCDD compounds were not detected above detection limits at other wells which were sampled (LS-13, LS-24, LS-25, LS-29, and LS-36). PCDF compounds were detected at both wells LS-2 and LS-4 at concentrations ranging from 0.000031 to 0.00271 ppm. One dioxin isomer (hexachlorodibenzodioxin) was detected at well LS-2 at a concentration of 0.0000033 ppm. There were no detectable levels of PCDD/PCDF compounds at wells LS-11, LS-12 or LS-13 during the September/October 1990 sampling event; however, during the November/December 1995 sampling event several PCDD/PCDF compounds were detected at wells LS-11 and LS-12. Groundwater at well LS-20 contained similar PCDD/PCDF compounds. Groundwater at wells LS-28 and LS-37 contained TCDFs at concentrations of 0.0000000061 and 0.000000015 ppm, and OCDD at concentrations of 0.00000013 and

0.0000004 ppm, respectively. Groundwater at well LS-34 contained the PCDD/PCDF compounds on the Appendix IX + 3 parameter list.

Metals Summary

Metals were detected in groundwater at various monitoring well locations as shown below:

Well Location	Metals Detected in Groundwater
WP-6	copper, zinc
LS-2	barium, beryllium, chromium, copper, lead, nickel, vanadium, zinc, sulfide
LS-4	barium, beryllium, chromium, copper lead, zinc, sulfide
LS-11	arsenic (filtered and unfiltered), barium, copper, lead, zinc (filtered and unfiltered)
LS-12	aluminum, barium, calcium, iron, lead, magnesium, manganese, sodium, zinc (filtered and unfiltered)
LS-13	aluminum, barium, calcium, copper, iron, lead, magnesium, manganese, mercury, sodium, zinc
LS-20	chromium, lead, zinc, sulfide
LS-24	chromium, nickel, zinc
LS-28	arsenic, chromium, copper, lead, nickel, zinc (filtered and unfiltered)
LS-34	lead, zinc
LS-36	arsenic, chromium, copper, lead, zinc
LS-37	arsenic, barium, cadmium, chromium, copper, lead, nickel, tin, vanadium, zinc, and sulfide.

5.7.2.3 Oxbow Area E

Monitoring well E-1 was the only well installed at Oxbow Area E during the MCP Phase I and Interim Phase II investigation for former Housatonic River Oxbow Areas A, B, C, E, F, J, and K (BBL, April

1992). A groundwater sample was collected in December 1991 and analyzed for Appendix IX+3 constituents.

Three monitoring wells (E-3, E-4, and E-7) were installed as part of the MCP Phase II Scope of Work (Golder Associates, January 1995) and the MCP Phase II Scope of Work Addendum (Golder Associates, May 1995). All three wells and well E-1 were sampled for Appendix IX+3 constituents (excluding herbicides and organophosphorus pesticides) on November 30, and December 1, 1995. Both filtered and unfiltered PCB and metal samples were taken; however, the filtered samples are considered more representative of the groundwater due to particulate matter in the unfiltered samples being dissolved into solution by the acid used to preserve the samples.

VOCs

Analytical results from the groundwater sample taken from monitoring well E-1 in December 1991 indicate VOCs were not detected above the detection limit (Table 5-4).

Analytical results from the groundwater samples collected from monitoring wells E-1, E-3, E-4, and E-7 on November 30 and December 1, 1995, did not have any detections of VOCs above the detection limit (Table 5-4).

SVOCs

Analytical results from the groundwater samples collected from monitoring well E-1 in December 1991, indicate SVOCs were not detected above the detection limit. Total phenols were detected at 0.013 ppm (Table 5-5).

SVOCs were not detected above the detection limit in the groundwater samples taken on November 30 and December 1, 1995 from monitoring wells E-1, E-3, E-4, and E-7. Total phenols were not analyzed, however; phenol was not detected above the detection limit (Table 5-5).

PCBs

Analytical results from the groundwater samples for PCBs from monitoring well E-1 in December 1991, indicate PCBs were not detected above the detection limit (Table 5-2).

As shown on Table 5-2 and on Figure 5-5, both the filtered and unfiltered groundwater samples taken on November 30 and December 1, 1995, had detections of PCB Aroclor 1254 in monitoring wells E-1, E-3, E-4, and E-7. The concentration of the unfiltered samples ranged from 0.00033 ppm at well E-7 to 0.0052 ppm at well E-1 and the concentrations of the filtered samples ranged from 0.00042 ppm at well E-7 to 0.0034 ppm at well E-1.

Pesticides/Herbicides

Analytical results from the groundwater samples taken from monitoring well E-1 in December 1991, indicate pesticide/herbicides were not detected above the detection limit. Organochlorine pesticides were not analyzed for during this sampling event (Table 5-3).

As shown on Table 5-3 and Figure 5-6, the groundwater sampled on November 30, 1995, in monitoring well E-1 had a detection of 4,4'-DDE at 0.00012 ppm. No other pesticides or herbicides were detected above the detection limit in monitoring wells E-1, E-3, E-4, or E-7.

PCDDs/PCDFs

Analytical results from groundwater samples from monitoring well E-1 in December 1991 indicate PCDDs/PCDFs were not detected above the detection limit (Table 5-6).

Analytical results from the groundwater samples taken from monitoring wells E-1, E-3, E-4, and E-7 on November 30 and December 1, 1995, indicated PCDDs/PCDFs were not detected above the detection limit (Table 5-6).

Metals

These metals analytical data are presented in Table 5-7 and on Figure 5-10. Unfiltered metals were analyzed and aluminum was detected at a concentration of 1.71 ppm in the groundwater sample taken from monitoring well E-1 in December 1991.

The unfiltered metal samples taken on November 30 and December 1, 1995, had detections of lead in all four monitoring wells at concentrations ranging from 0.0039 ppm at well E-4 to 0.083 ppm at well E-7. Zinc was detected in monitoring wells E-3, E-4, and E-7 at concentrations ranging from 0.032 ppm to 0.474 ppm. Monitoring well E-7 also had detections of arsenic at 0.041 ppm, barium at 0.321 ppm, chromium at 0.089 ppm, cobalt at 0.096 ppm, copper at 0.150 ppm, nickel at 0.149 ppm, tin at 0.321 ppm, and vanadium at 0.116 ppm. Sulfide was detected in monitoring wells E-3 and E-7 at concentrations of 1.0 ppm and in well E-1 at 1.2 ppm.

The filtered metal samples taken on November 30 and December 1, 1995, had detections of zinc in monitoring wells E-1 and E-3 at concentrations of 0.026 ppm and 0.022 ppm, respectively. Lead was detected in monitoring well E-1 at a concentration of 0.012 ppm. Monitoring wells E-4 and E-7 did not have any metals above the detection limit.

Summary

The December 1991 sampling event for monitoring well E-1 exhibited the presence of total phenols and unfiltered aluminum. VOCs, SVOCs, PCBs, pesticides/herbicides, and PCDDs/PCDFs were not detected above the detection limits.

The November/December 1995 sampling event included monitoring wells E-1, E-3, E-4, and E-7. VOCs, SVOCs, and PCDDs/PCDFs were not detected above the detection limits. Aroclor 1254 (filtered and unfiltered samples) and unfiltered lead were detected in each of the four wells. Monitoring well E-1 also had detections of 4,4-DDE, filtered lead and filtered zinc. Unfiltered zinc was detected in wells E-3, E-4, and E-7. Eight metals were detected in the unfiltered sample for well E-7. Sulfide was detected at two wells, E-3 and E-7.

5.7.2.4 Adjacent Upgradient Areas

A review of available groundwater analytical data collected in areas adjacent to and upgradient from the site was conducted by Golder Associates and summarized in a report titled *Revised MCP Phase II Scope of Work for Lyman Street Parking Lot (Oxbow Area D) and Proposed for RCRA Facility Investigation for USEPA Area 5A, Pittsfield, Massachusetts,* 1995 (Golder Associates, January 1995). A summary of this report's contents is presented below.

O'Brien & Gere Engineers, Inc. completed an Oil and Hazardous Material Report Chapter 21E Site Assessment for Wayne's Auto Body located at 763 East Street in April 1987 in support of a real estate transaction. Three wells were installed and sampled as part of this investigation. At one of the wells, toluene, ethylbenzene, p-xylene, and total hydrocarbons were detected.

As a result of the 763 East Street investigation, an additional assessment was conducted at the adjacent property located at 765 East Street, which was known as Lifetime Muffler (Golder Associates, January 1995). Five monitoring wells were installed and sampled as part of this investigation. Total hydrocarbons, toluene, ethylbenzene, and xylenes were detected in groundwater from wells MW-6 and MW-7, which were installed along the south side of East Street.

Associated Environmental Scientists, Inc. conducted a 21E Limited Site Investigation for Hazardous Materials and Oil at 772 East Street on behalf of Mr. James Bridges (Golder Associates, January 1995). This investigation included the installation of three monitoring wells and the sampling of soil and groundwater. Although Aroclor 1260 was detected in the soil sample from boring MW-3, no PCBs were detected in any of the groundwater samples from this investigation. Low levels of tetrachloroethene (PCE), benzene, toluene, ethylbenzene, xylene, and cis-1,2-dichloroethene were detected in the groundwater samples.

Con-test Engineering conducted a Preliminary Environmental Site Assessment in July 1991 at the East Street Plaza located at 758 East Street, which is immediately north of GE Lot No. 2. 1,1,1-Trichloroethane, trichloroethene (TCE), xylenes, ethylbenzene, toluene, PCE, and unspecified hydrocarbons were detected in the groundwater samples. Another investigation and a Phase II Site Assessment were conducted at the East Street Plaza by G.Z.A. GeoEnvironmental, Inc. in 1991 and 1993, respectively. The results of these investigations indicated similar concentrations of the compounds identified by the Con-test investigation.

O'Brien and Gere conducted a Phase I Environmental Site Assessment in September 1987 at 5 Lyman Street, which is located immediately north of GE Lot No. 1. Three monitoring wells were installed and sampled during this investigation. Low concentrations of xylene, PCE, and total hydrocarbons were detected.

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A preliminary environmental site assessment was conducted by Environmental Compliance Services, Inc. in May 1988 at 88 Fourth Street located approximately 1,500 feet northwest of Lyman Street Parking Lot Site. Three monitoring wells were installed and sampled. Low concentrations of tetrachloroethene were detected in two of the three wells. Groundwater samples were collected again in March 1991. Tetrachloroethene was detected in the same two wells at similar concentrations. Chloroform and MTBE were also detected in one of the samples.

Based on Golder's review of the above investigations, elevated concentrations of total hydrocarbons, benzene, toluene, ethylbenzene, xylenes, and polychlorinated solvents are present in groundwater hydraulically upgradient of the site. Since the groundwater flow is generally southward from East Street toward the site and the Housatonic River, these upgradient sources are contributing to the groundwater contamination at the site. Further, the compounds that are found at 758 East Street, which is immediately upgradient of GE Lot No. 2 including 1,1,1-trichloroethane, PCE, and toluene, are also found in wells B-5W (Lot 2) and B-2W (Lot 2) (except for toluene).

5.8 Occurrence and Recovery of LNAPL

Two sources of data were used to evaluate the possible occurrence of LNAPL/DNAPL: observations from soil borings conducted historically and during the Phase II activities; and the periodic fluid level measurements obtained from monitoring wells. The spatial distribution of sheens observed on soil borings and apparent NAPL thicknesses measured in monitoring wells during the most recent gauging event on April 3, 1996 is shown in Figure 5-1.

Soil sheens were observed across the southwestern portion of the site and ranged from 9 to 25 feet below grade (Figure 5-1). Although soil sheens had previously been noted in the northeast corner of the Lyman Street parking lot at SB-2 through SB-5, soil sheens and elevated PID readings were not noted during the installation of potential background soil boring LS-26.

Some soil samples from borings LS-2, LS-4, LS-8, LS-13, LS-30, LS-33, LS-41, and SB-7 (Figure 5-1) were reported to contain NAPL. Through installation of monitoring wells and fluid level measurements, some of these were determined to be LNAPL, others were determined to be indicative of a DNAPL. As discussed in Section 5.3, fluid level measurements were obtained weekly and monthly at the site. The apparent thicknesses of LNAPL varied, up to a maximum of 5.44 feet at monitoring well LS-2 on April 7, 1994. Although apparent LNAPL thickness is not directly indicative of the thickness of NAPL within the formation (Lenhard and Parker, 1990), observation of LNAPL does indicate the locations at which LNAPL can accumulate.

LNAPL has been observed primarily in the southern section of the site, including riverbank seep locations. Wells and wellpoints in which LNAPL was measured from January 1994 through April 1996, include: LS-2, LS-4, LS-12, LS-13, LS-21, LS-23, LS-31, LS-32, LS-33, LS-35, LS-41, P-1, P-3, P-4, and RW-1 (Appendix D). As shown on Figure 5-1, on April 4, 1996, LNAPL was observed in monitoring wells LS-2, LS-21, LS-23, LS-33, LS-35, LS-41, P-4 and RW-1. To define the southern and southwestern extent of LNAPL at the site, well LS-38 was installed approximately 35 feet southwest of well LS-33 (see comment 1 of May 1995 Agency letter). LNAPL has not been observed at well LS-38 (See Appendix D).

LNAPL samples obtained from wells LS-21 and LS-2 show a mean specific gravity of 0.93 and a dynamic viscosity of 66.42 centistokes (cSt). The LNAPL is likely to be situated above the water-saturated zone. The measured viscosity suggests that given a sufficient gradient and NAPL thickness, the NAPL may be mobile. Therefore, assuming that LNAPL is present at a location, the factor controlling the rate of possible LNAPL migration is the magnitude of the groundwater hydraulic gradient.

Due to the occurrence of LNAPL along the southern portion of this site, LNAPL has been observed along the northern bank of the Housatonic River in this area. To mitigate the potential impact of the LNAPL on the river, a number of on-going STM-related activities have been implemented by Golder at the Lyman Street Parking Lot Site to reduce the occurrence of the intermittent oil seeps along the Housatonic River bank. Section 9 of the Phase I Report/CAS presents the activities that have been performed since the discovery of the oil seeps in August 1990. Three annual evaluations of the effectiveness of the Stage A STM have been performed since active groundwater pumping began at the site in August 1992 (Golder Associates, August 1993 and October 1995; and RUST, September 1994). Volumes of groundwater, LNAPL, and DNAPL recovered by the system, along with the operational history of the groundwater extraction and treatment system for each year since start-up of the system in August 1992 are presented in the annual assessment reports (Golder Associates, August 1993 and October 1995; and RUST, September 1994). Generally, the operation of the system appears to offer effective control in the prevention and abatement of bank seeps or sheens (Golder Associates, October 1995).

In March 1996, GE conducted an additional review of the current STM program at the Lyman Street Parking Lot Site and evaluated proposed STM program alternatives to contain and collect site LNAPL.

This evaluation was presented in the report titled *Stage B Short-Term Measure Evaluation and Proposal for Lyman Street Parking Lot (Oxbow Area D) for RCRA Facility Investigation for USEPA Area 5A, Pittsfield, Massachusetts* (Golder Associates, March, 1996). This evaluation and proposal were conditionally approved by the Agencies on April 3, 1996.

5.9 Occurrence and Investigation of DNAPL

GE has monitored the well locations closest to the river on a weekly basis and well locations away from the river at least monthly for fluid levels and the presence of NAPL. Wells and wellpoints in which DNAPL was measured from January 1994 through April 1996, include wells: LS-4, LS-12, LS-21, LS-30, LS-31, LS-34, and RW-1 (Appendix D). The maximum apparent DNAPL thickness measured was 5.90 feet at well LS-30 on October 12, 1995. DNAPL, at thicknesses of greater than 3 feet, have been observed in at well LS-30, although the 1996 data suggests that the thickness at well LS-30 is decreasing to less than 3 feet. The recent thicknesses of DNAPL in well LS-12 have typically been less than one foot; however, well LS-12 is screened such that the base of the well does not extend to the top of the silt; therefore, this well does not fully monitor the presence of DNAPL.

The spatial distribution of sheens observed on soil borings and DNAPL measurements on April 4, 1996 are shown in Figure 5-1. Based on this data, the wells in which DNAPL was observed include: LS-4, LS-30, LS-31, and LS-34 and RW-1. DNAPL has not been observed in any of the three monitoring wells on the west side of Lyman Street (LS-43, LS-44, or LS-45).

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DNAPL is recovered at extraction well RW-1 as part of the on-going STM-related activities. Volumes of groundwater, LNAPL, and DNAPL recovered by the groundwater extraction and treatment system along with the operational history of the system for each year since start-up of the system in August 1992 are presented in the annual assessment reports prepared by Golder Associates (Golder Associates, August 1993 and October 1995, and RUST, September 1994).

DNAPL samples obtained from wells LS-12, LS-4, and RW-1 show a mean specific gravity of 1.1107 (density is 111% that of water) and a mean dynamic viscosity of 39.91 centistokes (cSt). The DNAPL is composed of PCBs, PAHs, polychlorinated benzenes, volatile aromatics, volatile hydrocarbons, and volatile solvents. Chemical constituents of the DNAPL were summarized in Appendix M of the Phase I Report/CAS.

DNAPL tends to flow preferentially downward due to the DNAPL's greater-than-water density. This flow potential can be restricted by lower permeability strata or upward hydraulic gradients. DNAPL will not become mobile through a porous medium, unless the required pore entry pressure is exceeded. Exceedance of the pore pressure requires a sufficient NAPL thickness, which provides a gravitational pressure, or a sufficiently strong external hydraulic pressure acting on the DNAPL. The required pore entry pressure is dependent on both the physical characteristics of the DNAPL and the porous medium. Due to the nature of the silt layer, the configuration of the upper surface of the silt layer will, therefore, likely control the horizontal migration and local accumulation of DNAPL as the DNAPL will tend to mitigate downslope on the silt's upper surface.

Figure 5-2 shows an interpreted top of silt unit elevations across the site, based on soil characterization performed during boring and monitoring well installations. The upper surface of the silt unit is higher near the center of the site, and slopes downwards toward the southwest and the northeast. The data set of DNAPL thickness measurements from wells LS-12, LS-34, LS-30, and LS-31 suggest that the DNAPL is present along the western portion of the site. DNAPL, however, has not been observed in new wells LS-43, LS-44, and LS-45, which were installed on the west side of Lyman Street. The overall trend at well LS-34 shows a decreasing thickness of DNAPL, though it has only been monitored since January 1996. Again, well LS-30 shows a decrease from an initial DNAPL thickness of 5.90 feet to 2.44 feet. DNAPL thickness in well LS-31 rose to maximum observed thicknesses on October 12, 1995 and again on January 26, 1996 of 3.10 feet.

5.10 Overall Summary of Groundwater Impacts

This section presents a summary of the findings on groundwater quality at the Lyman Street Parking Lot Site. Figures 5-5 through 5-10 present a consolidated summary of constituents detected in groundwater at the site. Groundwater monitoring efforts have shown the presence of various constituents including VOCs, SVOCs, PCBs, pesticides/herbicides, PCDDs/PCDFs, and metals.

The VOCs were dominantly detected in the groundwater collected from wells monitoring the fill and upper sand units located at Lyman Street parking lot along the southern (LS-2, LS-4, LS-11, LS-20, LS-32, LS-33, and wellpoint WP-6) and southwestern (LS-28, LS-34, and LS-12) portions of the site (Figure 5-7). Tetrachloroethene, 1,1,1-trichloroethane, and toluene were generally detected at wells located at GE Lots No. 1 and 2 and at well LS-28 located in the northwestern area of the Lyman Street parking lot and may be attributed to upgradient sources (Golder Associates, January 1995). Well LS-13 located in the central portion of the Lyman Street parking lot also had detectable concentrations of four VOCs. Benzene was the only VOC detected at well LS-37 located at the northeast corner of the Lyman Street parking lot. No VOCs were detected in groundwater above quantitation limits at wells located at Oxbow Area E.

SVOC constituents consisted mainly of PAHs and dichlorobenzenes. SVOCs were detected at LS-13 in the central portion of the Lyman Street parking lot; at wells LS-12 and LS-34 in the southwestern area of the Lyman Street parking lot; at wells LS-2, LS-4, LS-11, LS-20, LS-22, LS-32, and LS-33 and wellpoint WP-6 in the southern portion of the Lyman Street parking lot, and at well E-1 located at the Oxbow Area E (Figure 5-8).

As shown on Figure 5-5, PCBs including Aroclors 1242, 1254, and 1260, were detected in groundwater at various locations within the Lyman Street parking lot and the Oxbow Area E. Well LS-10 located at GE Lot No. 2 also contained PCBs.

As shown on Figure 5-6, pesticide/herbicide constituents were detected at wells E-1 located at Oxbow Area E, and at wells LS-11, LS-12, LS-24, LS-29, and LS-34 located at Lyman Street parking lot.

PCDD/PCDF compounds were detected in the groundwater at various locations throughout the Lyman Street parking lot including wells LS-2, LS-4, LS-11, LS-20 (southern area), wells LS-12, LS-34 (southwestern area), and LS-28 (western area) and well LS-37 (northeastern area). Well LS-10 located at GE Lot No. 2 also had detections of PCDD/PCDF compounds (Figure 5-9).

As shown on Figure 5-10, several metals were detected in groundwater at various locations at Lyman Street parking lot, at all wells at Oxbow Area E, and at well LS-10 at GE Lot No. 2.

In general, most detected constituents were found in groundwater from wells located along the southern/downgradient portion of the site. Groundwater collected near the southern/downgradient edge of the site at recovery wells RW-1 and RW-2 is treated using the portable groundwater treatment facility as part of the STM activities. The groundwater treatment system provides treatment of the groundwater containing PCBs, oil and grease, and VOC and SVOC constituents. The interpreted capture zone of the RW-1/RW-2 extraction system extends approximately from LS-11 to the southwest, to P-5 to the northeast and almost to the edge of the Housatonic River (Golder Associates, October 1995). For the flow through the fill/upper sand hydrogeologic unit across the site, based on the two-dimensional model discussed in Section 5.6 of this report, the capture zone of the recovery wells extends offsite to the south. The groundwater extraction and treatment system has been shown to be an effective means of controlling hydraulic gradients and LNAPL movement. DNAPL is also recovered at extraction well RW-1. The most recent evaluation of the effectiveness of the STM (Golder Associates, October 1995) for the period of September 1994 to August 1995, indicated a combined total of 2,991,600 gallons of water were pumped from wells RW-1 and RW-2. In addition, 80 gallons of LNAPL and 84 gallons of DNAPL were removed from RW-1.

LNAPL has been observed primarily in the southern portion of the site at the wells monitoring the fill/upper sand unit. Wells and wellpoints in which LNAPL was measured from January 1994 through April 1996 include: LS-2, LS-4, LS-12, LS-13, LS-21, LS-23, LS-31, LS-32, LS-33, LS-35, LS-41, P-1, P-3, P-4, and

RW-1. A factor controlling the rate of possible LNAPL migration is the magnitude of the groundwater hydraulic gradient.

In the fill/upper sand unit, the typical horizontal groundwater gradients are oriented south-southeast, toward the Housatonic River. The groundwater hydraulic gradient of 0.006 ft/ft was measured for April 1994 between wells LS-12 and LS-2. Estimated total flow rates to the Housatonic River for high and low water level conditions were calculated using groundwater levels obtained prior to recovery system operation and determined to be between 1.7 and 2.2 gpm. The corresponding mean average linear velocities were 0.47 to 0.54 ft/d.

DNAPL has also been observed at the site mainly in the western portion of the site. Wells and wellpoints in which DNAPL was measured from January 1994 through April 1996 include wells LS-4, LS-12, LS-21, LS-30, LS-31, LS-34, and RW-1. Due to the anticipated confining nature of the underlying silt layer, the configuration of the upper surface of the silt layer will likely control the horizontal migration and local accumulation of DNAPL. The upper surface of the silt unit at the site is higher near the center of the site, and slopes downwards toward the southwest and the northeast.

5.11 Future Groundwater Monitoring Program

The purpose of this groundwater monitoring program is to collect information pertaining to potential on-site and off-site migration of site related constituents. The eight wells selected for inclusion in this monitoring program are distributed along the perimeter of the site to facilitate acquisition of this data. The monitoring program will consist of semi-annual groundwater sampling and analysis for Appendix IX+3 constituents, excluding organophosphorus pesticides and herbicides, from five hydraulically downgradient monitoring wells: LS-11, LS-24, LS-36, LS-38, and E-4 and from three upgradient wells: E-7, LS-10, and LS-28. Based on the estimated groundwater flow velocity of approximately 0.5 ft/day, semiannual monitoring is sufficient to access groundwater quality changes at the site. The location rational for each of the selected wells are as follows:

- monitoring wells E-7 and LS-10, located at the northern and north central portion of the site, respectively, are hydraulically upgradient, and are intended to monitor potential upgradient sources entering the groundwater system at the site;

- monitoring well LS-28, located at the western perimeter of the site and hydraulically upgradient, is intended to monitor groundwater quality upgradient/sidegradient of the Lyman Street parking lot;

- monitoring well LS-38, located at the southwestern perimeter of the site, will be sampled to monitor downgradient groundwater quality prior to potential migration to the Housatonic River;

- monitoring wells LS-36 and E-4, located at the central southeastern perimeter of the site, will monitor downgradient groundwater quality prior to potential migration to the Housatonic River; and

- monitoring wells LS-11 and LS-24, located at the southern perimeter of the site, are hydraulically downgradient and are at or near the outer limits of the modeled capture zone of the recovery wells.

6. Air Monitoring

6.1 General

Ambient air monitoring at the Lyman Street Parking Lot/Oxbow Area E Site has been conducted as part of two recent programs over the past five years. In the first, GE conducted a facility-wide air monitoring program from August 1991 through August 1992 to quantify levels of PCBs in the ambient air at and near the Pittsfield facility. As part of this program, one ambient air monitoring station (ID: Lym 003) was located within the Lyman Street parking lot. This year-long program was performed by Zorex Environmental Engineers (Zorex) of Pittsfield, Massachusetts and involved the collection of high-volume ambient air samples every 12 days with analysis for PCBs. The results of this program were submitted to the Agencies on a quarterly basis and were presented in a final report which was submitted in November 1992 (Zorex, November 1992). Those results are summarized in Table 2 of that report. That table is reproduced as Table 6-1 of this report, with the Lyman Street parking lot monitoring station results highlighted.

As shown in Table 6-1, the mean ambient air PCB concentration for the August 1991 - August 1992 period was 0.0013 $\mu g/m^3$. The maximum 24-hour PCB concentration was 0.0059 $\mu g/m^3$ which occurred in August 1992. The mean summer PCB concentration was 0.0029 $\mu g/m^3$. The minimum concentration, recorded on various dates, was below detection limits. Additionally, during this period, approximately 47 percent of the high-volume ambient air samples were below the ambient air PCB detection limits.

Based on the results of this first ambient air monitoring program, a second ambient air monitoring program was conducted to more accurately identify suspected sources of airborne PCBs observed at certain air monitoring stations, and if possible, to estimate the emission rate from the identified sources.

The ambient air monitoring activities of this second program were conducted between May 1993 and August 1993. The activities conducted at or near the Lyman Street Parking Lot/Oxbow Area E Site included the assessment of high-elevation (2 to 6 meters above the ground), high-volume air sampling at a location in the east-central portion of the parking lot and low-elevation, low-volume (near ground) air sampling at a location along the bank of the Housatonic River. These locations and corresponding elevations were chosen to assess the riverbank adjacent to the Lyman Street parking lot as a potential source of PCBs in ambient air observed at the Lyman Street parking lot during the 1991-1992 air monitoring. The results of these monitoring activities were summarized and evaluated in a report submitted to the MDEP (with a copy to USEPA) on November 8, 1993 (Zorex, November 1993). Book 1 of that report is included as Appendix L to the Phase I Report/CAS, and the summary tables from that report are reproduced as Tables 6-2 and 6-3 of this report with the Lyman Street results highlighted.

The results of the May 1993 - August 1993 air monitoring program indicated a mean ambient air PCB high-volume concentration at the central parking lot station of 0.0061 $\mu g/m^3$ (Table 6-2). The maximum 24-hour mean PCB concentration was 0.011 $\mu g/m^3$, recorded on August 2, 1993 (Table 6-2). Like the first sampling program, this sampling program indicated a higher ambient air PCB concentration during the summer months.

The air sampling analyses from the 1993 monitoring program showed greater PCB concentrations in the low-elevation, low-volume air samples from the riverbank than in the high-elevation, high-volume samples from the parking lot area (Tables 6-2 and 6-3). The maximum 24-hour ambient air PCB concentration at the low-elevation, low-volume station was 0.10 $\mu g/m^3$, recorded on August 2, 1993 (Table 6-3). The low-elevation PCB concentrations were found at levels up to 26 times greater than the high-elevation PCB concentrations for the same dates, indicating substantial dispersion reflected in the high-elevation results. The 1993 Zorex report (Zorex, November 1993) cautioned, however, that it was not possible to identify the riverbank as the source of the PCBs recorded at the high-elevation monitor because of the questionable validity of comparing the high- and low-volume sampling results (due to differences in the methods) and because sufficient data were unavailable to allow comparison of the PCB chromatograms for these two areas.

On August 2, 1993, both the parking lot and riverbank monitoring stations recorded the highest ambient air PCB concentrations of 0.011 and 0.10 $\mu g/m^3$, respectively. Wind on this date was from the north-northwest. Winds at the site are predominantly from the northwest to southwest. The second highest ambient air PCB concentration (0.0087 $\mu g/m^3$) was recorded on July 3, 1993 at the high-elevation station, with wind from the east-northeast. Because the highest ambient air PCB concentrations were found at the site on days with winds from different directions, little can be inferred as to on-site or off-site PCB sources.

7. Fate and Transport/Migration of Hazardous Constituents

7.1 General

Various chemical constituents have been detected in the soils and groundwater at the Lyman Street Parking Lot Site. The information presented in Section 7 of the Phase I Report/CAS provided a general characterization of the environmental fate and transport properties associated with the constituents observed in one or both of these media. Section 7 of this report provides supplemental information on the fate and transport characteristics of PCB Aroclors detected at the site and discussion of the potential migration pathways. Specifically, Section 7.2 presents discussion of the fate and transport properties of PCB Aroclors in accordance with the Agencies' April 6, 1995 conditional approval letter. Discussion of the potential migration pathways from the various media, including discussion of an off-site storm sewer outfall, is presented in Section 7.3. Finally, a discussion of migration pathways from the site to the Housatonic River is included in Section 7.4.

7.2 Supplemental Fate and Transport Characteristics of PCB Aroclors

In accordance with the Agencies April 6, 1995 conditional approval letter, discussion of the presence and related fate and transport characteristics of the PCB Aroclors detected at the site is presented below.

The fate and transport of PCBs in the environment are greatly influenced by their low water solubility and high affinity for soil organic matter. This generally limits aqueous-phase concentrations to low parts-per-billion levels unless significant amounts of solvents, oils, or colloids are present (Baker et al., 1986; Dragun, 1989).

In general, the adsorption of PCBs to soils increases with increasing soil organic content, decreasing soil particle size, and increasing congener chlorination (Lyman et al., 1982; Pignatello, 1989). PCBs are relatively immobile as long as the soil matrix to which they are sorbed remains in place.

The results of soil sampling at the Lyman Street Parking Lot/Oxbow Area E Site show that the majority of the PCB present was quantified as Aroclor 1254. For the soil PCB data collected at the site from 1989 through the recent Phase II/RFI investigations, over 99.2 percent of the PCB detected was quantified as Aroclor 1254, approximately 0.7 percent as Aroclor 1260, and less than 0.1 percent as Aroclor 1016, 1232, 1242, and/or 1248 (Table 4-1). The highest PCB concentration in soils was found at boring LS-11 at 290,000 ppm (Aroclor 1254) at a 4- to 6-foot depth (Table 4-1).

Sampling of groundwater for PCBs during these investigations indicated no detections of Aroclors 1016, 1232, 1242, 1248 or 1260. Aroclor 1254 was detected at a concentration of 25 ppm at monitoring well LS-12 for an unfiltered groundwater sample and at a concentration of 47 ppm at monitoring well LS-12, although this sample showed a non-standard Aroclor pattern. The highest filtered PCB groundwater concentration was found at monitoring well LS-12 at 0.42 ppm (Table 5-2). These results indicate that the fate and transport of PCB at this site will be determined by the properties and characteristics of Aroclor 1254.

Aroclor 1254 is a mixture of various specific PCB congeners and has an average of five chlorine atoms per molecule. The average molecular composition (on a weight basis) of Aroclor 1254 is as follows: 53 percent pentachlorobiphenyl ($C_{12}H_5Cl_5$), 26 percent hexachlorobiphenyl ($C_{12}H_4Cl_6$), 15 percent tetrachlorobiphenyl ($C_{12}H_6Cl_4$), 4 percent heptachlorobiphenyl ($C_{12}H_3Cl_7$), and 1 percent trichlorobiphenyl ($C_{12}H_7Cl_3$) (Erickson, 1992). Because of this distribution of homologs, Aroclor 1254 is considered to be highly chlorinated.

The solubility in water of Aroclor 1254 has been reported to be between 10 and 30 ppb. The range for all PCB Aroclors is 3 to 5000 ppb (Mackay et al., 1992). As the chlorine content of the Aroclor increases, the compound becomes less soluble in water and therefore becomes more hydrophobic.

The soil or sediment sorption constant (log K_{oc}) of Aroclor 1254 has been reported to be between 4.81 and 6.65. The range for all PCB Aroclors is 2.89 to 6.83 (Mackay et al., 1992). The greater the K_{oc}, the greater the relative portion of the compound will adsorb to soil and other organic matter. A compound with a log K_{oc} over 3.7 (i.e., Aroclor 1254) is considered immobile in soil (Chou and Griffin, 1986).

PCBs could potentially volatilize from soil, but strong adsorption of soils and low solubility tends to limit the extent of volatilization (ATSDR, 1993). The tendency for PCB to volatilize can be estimated from its vapor pressure (for dry soils) or Henry's Law constant (for wetted soils). The vapor pressure of Aroclor 1254 has been reported to be between 0.008 and 0.02 Pa. The range for all PCB Aroclors is 0.0002 to 2.0 Pa. The Henry's Law constant of Aroclor 1254 has been reported to be between 20 and 260 Pa-m^3/mole. The range for all PCB Aroclors is 5 to 300 Pa-m^3/mole (Mackay et al., 1992).

PCBs are fairly persistent in the environment, and degradation via chemical oxidation and hydrolysis in soil is generally insignificant. PCBs may, however, be subject to loss via photolysis, biotransformation, and biodegradation (ATSDR, 1993). Experimental evidence indicated that PCBs are susceptible to biodegradation under both aerobic and anaerobic conditions. In general, the degradability of PCB congeners under aerobic conditions increases as the degree of chlorination decreases. Variations in this trend exist and are attributed to preferential degradation determined by chlorine substitution patterns (ATSDR, 1993), with congeners with a chlorinated ortho-position more resistant to degradation.

Laboratory research has shown that the lesser chlorinated PCB congeners are subject to aerobic biodegradation by microorganisms indigenous to soils. Aerobic biodegradation results in a complete breakdown of PCBs, causing a net decrease in total molar PCB concentration. Various breakdown products have been identified and include chlorinated catechol, chlorobenzoic acid, and carbon dioxide (Bedard et al., 1987; Hankin and Sawhney, 1984; Fries and Morrow, 1984).

As with aerobic biodegradation, preferential degradation of meta- and para-substituted congeners has been observed under anaerobic conditions, although biotransformation is apparently also related to the chlorination pattern on the congeners (Rhee et al., June 1993, April 1993; Quensen et al., 1988). Laboratory research has shown that PCBs undergo reductive dechlorination under anaerobic conditions by indigenous microorganisms; however, the extent and rate of dechlorination varies among congeners and soil collection locales (Rhee et al., June 1993, April 1993; Nies and Vogel, 1990). Study results indicate that the more highly chlorinated PCBs are transformed to less chlorinated congeners by anaerobes (Quensen et al., 1988) and that the lower chlorinated PCBs may be further degraded to carbon dioxide, water, and chlorine by aerobes (Chen et al., 1988; Quensen et al., 1990).

7.3 Migration Within the Site

7.3.1 General

This subsection discusses potential migration pathways for the constituents that have been detected in the surficial soil, subsurface soils/fill, and groundwater at the site. Additionally, to address previous Agency comments, the impacts of an off-site storm sewer outfall immediately west of Lyman Street on potential NAPL migration were evaluated.

7.3.2 Potential Migration Pathways

Prior sections of this report have described the investigations that have been performed at the site to characterize the presence, quantity, and concentration of constituents in various site media. The fate and transport characteristics of the chemicals identified in the site media are discussed in Section 7 of the Phase I Report/CAS and supplemented by Section 7.2 above. These characteristics, as well as the physical characteristics and environmental setting of the site, influence the potential for migration of these constituents.

Based upon the available information, the following potential migration pathways have been identified for the constituents detected at the site:

- Volatilization, dust migration, and surface runoff from surficial soil;
- Leaching or direct releases from soil/fill to groundwater;

- Subsurface transport via groundwater flow;
- Subsurface NAPL migration; and
- Migration via Lyman Street storm sewer outfall.

These potential migration pathways are discussed in more detail in the following subsections.

7.3.2.1 Migration from Surficial Soils

The investigations performed as part of earlier investigation and Phase II/RFI activities have identified the presence of PCBs, a number of SVOCs, several VOCs, PCDDs/PCDFs, certain metals, and several organochlorine pesticides in site surficial soils (Section 4.3). On-site characteristics that influence the potential migration pathways for these materials include the areal extent of the site, surface cover, topography and slope, land use, and human and environmental activities at the site.

Although volatilization of constituents found in the surficial soils presents a potential migration pathway, the constituents of greater volatility (VOCs and SVOCs) have not been found at significant levels in surficial soils. The maximum SVOC concentration detected in surficial soils was fluoranthene at 42 ppm at boring LS-C-11 (Table 4-4). Chlorobenzene at 0.021 ppm at location LS-SOIL was the VOC of highest concentration detected in site surficial soils (Table 4-3). The constituents detected at greater concentrations in surficial soils do not readily volatilize into the air [(PCBs to 150 ppm at LS-GWP-10 and certain metals (zinc to 300 ppm -- estimated at LS-GWP-34) (Tables 4-1 and 4-6)]. In addition, as noted in Section 4.4, available PID information indicates that while volatile constituents may be present in subsurface materials, vertical migration of these constituents in subsurface gas to the ground surface does not appear to be occurring to any appreciable extent. The presence of pavement over a major portion of the site also decreases the potential for volatilization from surficial soils in those areas. If limited volatilization should occur at the site, the eventual fate of these chemicals is largely dependent upon dispersion within the atmosphere.

The generation of dust on site will be influenced most strongly by the type and extent of surface soil cover and the level of activity in the vicinity of exposed surfaces. As PCBs and most metals are expected to bind tightly to the soil matrix, the principal migration mechanisms affecting these substances will be soil-mediated. Natural dust generation through wind uplift at the site is reduced due to the paving of large portions of the site and the well-established grass and vegetative cover over almost all of the WMEC parcel.

The areas in the Lyman Street parking lot portion of the site not covered by pavement include the berm located along the northern and western perimeters of the parking lot, portions of GE Lots No. 1 and No. 2, and the steep, vegetated riverbank located between the Lyman Street parking lot and the Housatonic River. Surficial soil in these areas could potentially be a source of constituents to the atmosphere via volatilization and dust migration or to surface water via surface water runoff. However, the vegetation covering the berm and the dense vegetation covering the riverbank area would reduce the potential for migration of constituents from surficial soil in these areas.

Another potential migration pathway for hazardous constituents detected in the surficial soils of the site is precipitation runoff. Surface drainage from the site is enhanced by the existence of paved areas.

Rainfall runoff discharges into the Housatonic River either directly as overland flow from the parking lot and WMEC parcel or through the storm sewer outfall west of Lyman Street. As discussed in the *Supplemental Phase II/RCRA Facility Investigation for the Housatonic River and Silver Lake* (BBL, January 1996), analytical results for the river water column upstream and downstream of the site during low and high flows do not indicate a significant contribution of hazardous constituents from the site to the water column of the river.

A further water-borne migration pathway involves the possibility of erosion and transport of surficial soils during flooding events. Evaluations of the flooding potential at the site (Section 2.5) indicate that portions of the riverbank lie within the 10-year floodplain, and that most of the site lies within the 100-year floodplain. As such, a limited potential exists for the migration of constituents present in surface soils during flooding events. This potential is further limited by the established vegetation and pavement present at the site.

7.3.2.2 Migration from Subsurface Soils/Fill

The results of the subsurface soil/fill investigations completed to date have identified the presence of PCBs and certain VOCs, SVOCs, PCDDs/PCDFs, cyanide, sulfide, organochlorine pesticides, and metals in site soils. These results are presented in Section 4.3

The potential migration of constituents from the subsurface materials at the site would occur as a result of dissolution in groundwater via direct contact and/or as a result of leaching via infiltrating precipitation. Infiltration by precipitation is limited in the Lyman Street parking lot area due to the presence of pavement. The vegetative cover in the WMEC parcel and along the riverbank allow such infiltration. The filtered groundwater data for the site (Section 5.7) indicate the presence of low levels of VOCs, SVOCs, PCDDs/PCDFs, metals, and PCBs.

In addition, volatilization of organics and/or generation of dusts from subsurface materials could potentially occur during disturbances (e.g., excavations) of the subsurface soils. Such instances would be related to construction or repair activities (e.g., utilities) and as such would be limited in frequency and duration. These activities would be unlikely to contribute significantly to the migration of constituents within or from the site.

7.3.2.3 Migration via Groundwater

As mentioned above, the analytical data for groundwater at the site indicate the occurrence of leaching of constituents from subsurface soil/fill materials and/or NAPL to the groundwater. As described in Section 5.5, groundwater movement in this area is generally in a southeasterly direction toward the Housatonic River.

As described in Section 5.6, the average linear groundwater flow velocity was estimated to range from 0.47 feet per day to 0.54 feet per day toward the Housatonic River, providing a transport mechanism. However, sampling of the Housatonic River water column during both high-flow and low-flow conditions upstream and downstream of the site, has indicated that the site is not making a significant contribution of hazardous constituents to the river [refer to *Supplemental Phase II/RCRA Facility Investigation Report for the Housatonic River and Silver Lake* (BBL, January 1996)].

Fill material, up to a 20 foot depth at the site, is in contact with site groundwater which varies in depth from approximately 7 to 12 feet below the ground surface. Subsurface investigations at the site suggest that in certain areas leaching of constituents from subsurface soils and fill above the water table by infiltrating rainfall is also a possible source of constituents to on-site groundwater. Direct dissolution of constituents contained in the fill material to site groundwater has likely occurred as indicated by groundwater sampling results which show the presence of several VOCs and SVOCs, PCBs, metals, several PCDDs/PCDFs, and organochlorine pesticides. However, as mentioned above and discussed in more detail in Section 5.2.7, STM activities being implemented at the site, which include the recovery and treatment of groundwater from two recovery wells located at southeastern edge of the parking lot, provide some level of containment of constituents found in groundwater in the area.

The fate of constituents released to groundwater at the site could possibly include: 1) permanent "containment" within the groundwater system as a result of adsorption onto the subsurface soils; and 2) possible subsurface transport into a receiving surface water body. As discussed earlier, PCBs have a high tendency to adsorb to soils and would likely not migrate significantly, but be effectively contained within the groundwater system.

No occupied structures are present at the site or downgradient from the site. Therefore, although various constituents have been detected in groundwater at the site, no potential exists for groundwater to be a source of vapors to the indoor air of occupied structures on site. Occupied structures, located on adjacent, off-site areas, are not likely to be impacted by groundwater vapors from the site. Nevertheless, to evaluate that possibility, potential exposures of workers at nearby commercial establishments to indoor air potentially affected by constituents volatilizing from site groundwater will be considered in the Health and Environmental Assessment for the site.

7.3.2.4 Migration via NAPL

As discussed in Sections 1, 3, and 5, both LNAPL and DNAPL have been found in subsurface soil/fill materials and in contact with groundwater at the site. As explained in more detail in Sections 5.8 and 5.9, STM activities are currently being implemented to contain the previously mentioned oil seeps, to recover NAPL, and to treat groundwater at the site.

After the discovery of DNAPL in monitoring well LS-34 during Phase II/RFI Investigation sampling in March 1996, GE proposed an additional investigation to assess any off-site NAPL impacts west of Lyman Street in the proximity of the southwest corner of the site. In late April 1996, four soil borings (LS-42 to LS-45) were installed west of Lyman Street, with three converted to monitoring wells (LS-43 to LS-45) (Figure 1-3). The soil sampling analytical results from this investigation are described in Sections 4.3.2.4 and 4.5.1.4. As shown in the boring logs from these four soil borings (Appendix B) no oil sheens were detected in the soil samples except at LS-43 from 22 to 26 feet below surface. PID readings (Appendix C) from these soil intervals were found to be substantially higher than those from other soil sampling intervals at these four borings. However, no LNAPL or DNAPL was observed during development of any of the three monitoring wells LS-43 to LS-45, although a light odor and sheen were reported at monitoring well LS-43 during development.

Both LNAPL and DNAPL migration rates will be influenced to some degree by natural attenuation as determined by characteristics of the NAPL and the soil. LNAPL migration will be largely controlled by the horizontal flow of groundwater, which is generally to the south-southeast toward the Housatonic River. The migration of DNAPL will largely be controlled by the configuration of the top of the silt unit, which appears to act as a confining layer beneath the site.

7.3.2.5 Storm Sewer Outfall

This section discusses the potential impacts of a storm sewer pipe which lies adjacent to the southwestern portion of the site and discharges to an outfall at the Housatonic River, west of Lyman Street bridge. This section specifically addresses the Agencies' comments regarding potential NAPL migration pathways associated with this utility (November 17, 1994 and April 6, 1995 letters to GE).

As shown in Appendix A, this pipe, made of vitrified clay, has a 12-inch diameter and carries runoff from the site and adjacent properties on Lyman Street and East Street. Based on groundwater elevation data acquired in April 1994 and September 1995 (Figures 5-3 and 5-4), the groundwater table elevation along Lyman Street in this area ranges from approximately 971.5 feet to 976 feet. Additionally, the elevation of the silt layer in this area is approximately 960 feet (Figure 5-2).

The invert of the clay pipe ranges between an elevation of 977.6 to 976.9 feet adjacent to the site. It is not likely that this storm sewer pipe or its surrounding fill act as a conduit for DNAPL migration as the observed DNAPL depth at LS-34 is approximately 15 feet below the pipe invert. The clay pipe also appears to be above the highest groundwater level measured since 1994 at this area of the site (Figures

5-3 and 5-4) and therefore probably not a conduit for LNAPL migration. Additionally, LNAPL was not observed at monitoring well LS-34. LNAPL observed at monitoring well LS-33, and at monitoring wells LS-2 and LS-41 further east, would not be likely to migrate westward toward the clay pipe, due to the existing groundwater gradient.

While the volume and frequency of runoff flowing to the Housatonic River via this storm sewer pipe are currently unknown, it appears possible under certain flow conditions, given that this storm sewer pipe collects runoff from areas containing PCBs in surficial soils, that PCB-containing soils could be transported to the river. However, upstream and downstream surface water measurements at this site do not indicate any significant contribution of PCBs from the site to the river [refer to *Supplemental Phase II/RCRA Facility Investigation Report for Housatonic River and Silver Lake* (BBL, January 1996)]

During Phase II/RFI investigations completed in October 1994, GE collected a surface water sample (LSB-OS-01) from the Housatonic River near the storm sewer outfall immediately west of the Lyman Street bridge (Figure 1-3). Analytical testing indicated the presence of two SVOCs and several VOCs (Table 7-1). PCBs were not detected. At that time, an oil sheen was noted at the storm sewer outfall.

A second round of surface water sampling was conducted in the vicinity of the Lyman Street storm sewer outfall in October 1995. Four surface water samples and one duplicate sample (LS-HR-1 to LS-HR-4 -- Figure 1-3) were collected and analyzed for VOCs. LS-HR-1 was collected upstream of the storm sewer outfall, LS-HR-2 directly adjacent to the outfall, and LS-HR-3 and LS-HR-4 downstream of the outfall. Several VOCs were detected at higher concentrations adjacent to the storm sewer outfall than at the upstream location (Table 7-1). Downstream sampling indicated similar VOC concentrations at the upstream location. The highest VOC concentration detected was trichloroethene at 0.180 ppm at location LS-HR-2 and its duplicate, LS-HR-DUP (Table 7-1).

7.4 Migration from the Site to the Housatonic River

As discussed in detail in Section 5.5, the movement of groundwater beneath the site is primarily in a southeasterly direction toward the Housatonic River. Groundwater flow rates for the Lyman Street Parking Lot area of the site were calculated to range from 1.7 gpm to 2.2 gpm for high and low flow groundwater conditions for the approximately 7-foot thick saturated sand unit at the site (Section 5.6). These flow rates should be roughly equivalent to groundwater flow entering the Housatonic River from this portion of the site. However, while the transport of PCBs and other hazardous materials via groundwater is considered a potential migration pathway, the available water column data from the Housatonic River indicate that the migration (if any) of these constituents in groundwater does not result in significant contributions of constituents to the Housatonic River. As discussed above, PCBs have not been detected at significant levels in groundwater and possess only a very limited potential for dissolution into groundwater.

8. Evaluation of Additional Data Needs

As a result of the various previous investigatory efforts, the Lyman Street Parking Lot/Oxbow Area E Site achieves the two requirements applicable for this site. First, the investigatory efforts achieve the goals established in the Phase II Report for a comprehensive site assessment. Second, the various work efforts have achieved the goals pursuant to the MCP and the Consent Order. As a result, no additional data needs or additional investigations are warranted for the site.

As discussed in Sections 4.5 and 5.7, the extent of impacted soil and groundwater at the site has been sufficiently characterized. The areas adjacent to the site to the east (the East Street Area 2/USEPA Area 4 Site) and the Housatonic River to the south are under continuing separate investigations. Adjacent areas upgradient and downgradient of the site are discussed in Sections 4.3.2.4, 4.3.2.5, 4.5.1.4, and 5.7.2.4. The most recent investigatory effort west of Lyman Street did not detect any DNAPL in any of the three newly installed wells (LS-43 through LS-45). While PCBs were detected in the 24- to 26-foot soil depth at monitoring well LS-43, downgradient monitoring wells LS-44 and LS-45 had significantly lower concentrations. Thus, the impact to this area has been delineated.

Additionally, the current soil data base is sufficient to allow calculations of volumes of impacted soils/fill in support of remedial alternatives screening. The soil/groundwater quality data are also adequate for performing the risk assessment for the site.

On-site monitoring will continue with the future groundwater monitoring program proposed in Section 5.11. This program will identify any changes in the soil and groundwater quality at the site. The extent of any future remedial or investigatory efforts will be determined based on the results of this groundwater monitoring program.

9. Schedule

Upon approval of this MCP Supplemental Phase II/RFI Report by the Agencies, GE will proceed with the performance of the human health and environmental assessment (HEA) for the site as outlined in the *Proposal for Human Health and Environmental Assessment of the Lyman Street Parking Lot Site* (ChemRisk, June 1996) in accordance with the schedule set forth in that document.

In addition to these activities, GE will continue the ongoing STMs/Interim Measures for the site as briefly summarized in the previous sections of this document. Additionally, upon approval of this document by the Agencies, GE will implement the groundwater monitoring program outlined in Section 5.11. The results of this monitoring will be submitted to the Agencies with 60 days upon receipt of the associated analytical data.

1 2

References

BLASLAND, BOUCK & LEE, INC.
engineers & scientists

References

ATSDR. *Toxicological Profile for Selected PCBs (Aroclors -1260, -1254, -1248, -1242, -1232, -1221, and -1016),* U.S. Public Health Service, Oak Ridge, TN: Oak Ridge National Library, 1993.

Baker, J.E., P.D. Capel, and S.J. Eisenriech. "Influence of Coloids on Sediment -Water Partition Coefficients of Polychlorinated Biphenyl Congeners in Natural Water". *Environ. Sci. Tech.*, 20-11 (1986), pp. 1136-1143.

Bedard, D.L., M.L. Haberi, R.J. May, and M.J. Brennan. "Evidence for Novel Mechanisms of PCBs Metabolism in Alcigenes eutrophus H850". *Appl. Environ. Microbio.*, 53 (1987), pp. 1103-1113.

Blasland & Bouck Engineers, P.C. *Housatonic River MCP Phase II Scope of Work.* Syracuse, NY: June 1990.

Blasland & Bouck Engineers, P.C. *MCP Phase I Report for Lyman Street Parking Lot, Oxbow Area D.* Syracuse, NY: March, 1992.

Blasland, Bouck & Lee, Inc. *MCP Phase I and Interim Phase II Report for Former Housatonic River Oxbow Areas A, B, C, E, F, J, and K.* Syracuse, NY: April 1992.

Blasland & Bouck Engineers, P.C. *Lyman Street Parking Lot, Oxbow Area D, MCP Phase II Scope of Work.* Syracuse, NY: November, 1992.

Blasland, Bouck & Lee, Inc. *MCP Phase I Report for Lyman Street Parking Lot (Oxbow Area D) and Current Assessment Summary for USEPA Area 5A.* Syracuse, NY: February, 1994a.

Blasland, Bouck & Lee, Inc. *MCP Phase II Scope of Work (SOW) for Lyman Street Parking Lot (Oxbow Area D) and Proposal for RCRA Facility Investigation of USEPA Area 5A.* Syracuse, NY: February, 1994b.

Blasland, Bouck & Lee, Inc. *Supplemental Phase II/RCRA Facility Investigation Report for the Housatonic River and Silver Lake.* Syracuse, NY: January 1996.

Bouwer, H., and R. C. Rice. "A Slug Test for Determining Hydraulic Conductivity of Unconfined Aquifers with Completely or Partially Penetrating Wells". *Water Resources Research,* 12: 423-28 (1976).

ChemRisk. *Preliminary Health and Environmental Assessment Proposal for the Lyman Street Parking Lot Site.* Portland, ME: October 1994.

ChemRisk. *Proposal for Human Health and Environmental Assessment of the Lyman Street Parking Lot Site.* Portland, ME: May 1996.

Chen, M., C.S. Hong, B. Bush, and G.Y. Rhee. "Anaerobic Biodegradation of Polychlorinated Biphenyl by Bacteria from Hudson River Sediments". *Ecotox. Environ. Safety,* 16-2 (1988), pp. 95-105.

Chou, S.F.J. and R.A. Griffin. "Solubility and Soil Mobility of Polychlorinated Biphenyls", in *PCBs and the Environment,* edited by J.S. Waid. Boca Raton, FL: CRC Press, Inc., 1986.

Dragun, L. *The Soil Chemistry of Hazardous Materials.* Maryland: The Hazardous Materials Control Research Institute, 1989.

Erickson, M.D. *Analytical Chemistry of PCBs.* Boston, MA: Louis Publishers, Inc., 1992.

Federal Emergency Management Agency. *Flood Insurance Study - City of Pittsfield, Massachusetts*. Federal Insurance Administration: January 1987.

Fitts, C. R. *TWODAN: Two-Dimensional Analytic Groundwater Flow Model*. Scarborough, ME: 1995.

Fries, G.F., and G.S. Marrow. "Chlorobiphenyl Movement from Soil to Soybean Plants". *J. Agric. Food Chem.*, 29 (1981), pp. 757-759.

Geraghty & Miller, Inc. *Soil and Groundwater Quality Investigation at the General Electric Lyman Street Site Pittsfield, Massachusetts*. Plainview, NY: November 1986.

Geraghty & Miller, Inc. *Environmental Assessment of General Electric Property in the Vicinity of Lyman Street Pittsfield, Massachusetts*. Plainview, NY: January 1987.

Geraghty & Miller, Inc. *Lyman Street - Third Assessment, May 1987*. Plainview, NY: June 1987.

Geraghty & Miller, Inc. *Short Term Measures Proposal, Housatonic River, Oxbow Area D*. Albany, NY: December 1990.

Geraghty & Miller, Inc. *Amended Report on the Housatonic River Oxbow Area D Soil Boring, Well Installation and Ground Water Sampling Program*. Albany, NY: March 1991.

Geraghty & Miller, Inc. *Aquifer Test Results and Short Term Measures Design, Housatonic River, Oxbow Area D*. Albany, NY: May 1991.

Golder Associates, Inc. *Work Plan for Short Term Measures and Additional Hydrogeologic Assessment, Oxbow Area D, Lyman Street,* Pittsfield, Massachusetts. Mt. Laurel, NJ: August 1991.

Golder Associates, Inc. *Additional Hydrogeologic Assessment and Short Term Measures Evaluation and Proposal, Oxbow Area D, Lyman Street, Pittsfield, Massachusetts*. Mt. Laurel, NJ: January 1992.

Golder Associates, Inc. *Effectiveness Evaluation of Short-Term Measures, Lyman Street Site (Oxbow Area D)*. Mt. Laurel, NJ: August 1993.

Golder Associates, Inc. *Revised MCP Phase II Scope of Work for Lyman Street Parking Lot (Oxbow Area D) and Proposal for RCRA Facility Investigation for USEPA Area 5A*. Mt. Laurel, NJ: January 1995.

Golder Associates, Inc. *Addendum to MCP Phase II Scope of Work for Lyman Street Site and Proposal for RCRA Facility Investigation of USEPA Area 5A*. Mt. Laurel, NJ: May 1995.

Golder Associates, Inc. *Effectiveness Evaluation of Short-Term Measures, Lyman Street (Oxbow Area D) Pittsfield, Massachusetts*. Mt. Laurel, NJ: October 1995.

Golder Associates, Inc. *Stage B Short-Term Measure Evaluation and Proposal for Lyman Street Parking Lot (Oxbow Area D) for RCRA Facility Investigation for USEPA Area 5A, Pittsfield, Massachusetts*. Mt. Laurel, NJ: March 1996.

Hankin, L. and B.J. Sawney. "Microbial Degradation of Polychlorinated Biphenyl in Soil". *Soil Science*, 137, No. 6 (1984), pp. 401-407.

Hvorslev, M. J. *Time Lag and Soil Permeability in Ground Water Observations*. U. S. Army Corps of Engineers Waterways Experimentation Station, Bulletin 36, 1951.

Lenhard, R.J. and C.J. Parker. "Estimation of Free Hydrocarbon Volume from Fluid Levels in Monitoring Wells". *Groundwater*, 28:57-67.

Lyman, W.J., W.F. Reehl, and D.H. Rosenblatt, (eds.). *Handbook of Chemical Property Estimation Methods*. New York: McGraw-Hill Book Co., 1982.

Mackey, Donald, Wan Ying Shin, and Ching Kuo Ma. *Illustrated Handbook of Physical-Chemical Properties and Environmental Fate for Organic Chemicals*. Michigan: Lewis Publishers, Inc., 1992.

Nies, L. and T.M. Vogel. "Effects of Organic Substrates on Dechlorination of Aroclor 1242 in Anaerobic Sediments". *Applied Environmental Microbiology*, 56(9) (1990), pp. 2612-2617.

Norvitch, R.F., Farrell, D.F., Pauszek, F.H., and Peterson, R.G. *Hydrology and Water Resources of the Housatonic River Basin, Massachusetts: Hydrologic Investigations Atlas HA-281*. United States Geological Survey: 1968.

Pignatello, J.J. "Sorption Dynamics of Organic Compounds in Soils and Sediments", in *Soil Science Society of America*, Ch. 3, 1989.

Quensen J.F., S.A. Boyd, and J.M. Tiedje. "Dechlorination of Four Commercial Polychlorinated Biphenyl Mixtures (Aroclors) by Anaerobic Microorganisms from Sediments". *Appl. Environ. Microbiol.*, 56(8) (1990), pp. 2360-2369.

Quensen, J.F., J.M. Tiedje, and S.A. Boyd. "Reproductive Dechlorination of Polychlorinated Biphenyls in Anaerobic Microorganisms from Sediment". *Science*, 242 (1988), pp. 752-754.

Rhee G.Y., R.C. Sokol, B. Bush, and C.M. Bethaney. "Long-term Study of the Anaerobic Dechlorination of Aroclor 1254 with and without Biphenyl Enrichment". *Environ. Sci. Tech*, 27 (April 1993), pp. 714-719.

Rhee G.Y., R.C. Sokol, C.M. Bethaney, and B. Bush. "Dechlorination of Polychlorinated Biphenyls by Hudson River Sediment Organisms: Specificity to the Chlorination pattern of congeners". *Environ. Sci. Tech*, 27 (June 1993). pp. 1190-1192.

Rust Environment & Infrastructure, Inc. Letter report to GE. Albany, NY: November 29, 1994.

Rust Environment & Infrastructure, Inc. *Effectiveness Evaluation of Short-Term Measures Lyman Street Site (Oxbow Area D), Pittsfield, Massachusetts*. Barrington, NY: September 1994.

United States Geological Survey, E-an Zen Ed.. *Bedrock Geologic Map of Massachusetts*. 1983.

Zorex Environmental Engineers, Inc. *Ambient Air Monitoring for PCB, August 20, 1991 - August 14, 1992, General Electric Co., Pittsfield, MA*. Pittsfield, MA: November 1992.

Zorex Environmental Engineers, Inc. *Ambient Air Monitoring for PCB, May 4, 1993 to August 17, 1993, General Electric Company, Pittsfield, MA*. Pittsfield, MA: November 1993.

Tables

BLASLAND, BOUCK & LEE, INC.
engineers & scientists

TABLE 1-1

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RFI REPORT FOR LYMAN STREET PARKING LOT/OXBOW AREA E AND USEPA AREA 5A

SUMMARY OF STUDIES CONDUCTED RELATED TO THE LYMAN STREET PARKING LOT SITE: 1986 -1996

Author	Title and Date of Study/Report
G&M	Soil and Groundwater Quality Investigation at the General Electric Lyman Street Site Pittsfield, Massachusetts, November 1986.
G&M	Environmental Assessment of General Electric Property in the Vicinity of Lyman Street Pittsfield, Massachusetts, January 1987.
G&M	Lyman Street - Third Assessment, June 1987.
G&M	Placement of Well Points Along the Banks of the Housatonic River, October 1988.
G&M	Hydrogeological Investigation of Old Oxbow Areas, August 1989.
B&B	Housatonic River MCP Phase II Scope of Work, June 1990.
B&B	Housatonic River MCP Phase II Supplemental Data Summary, June 1990.
G&M	Short Term Measures Proposal, Housatonic River Oxbow Area D, December 1990.
G&M	Installation of Recovery Well, Observation Wells, and Performance of Aquifer Pump Test, Housatonic River, Oxbow Area D, Pittsfield, Massachusetts, January 1991.
G&M	Amended Report on the Housatonic River Oxbow Area D Soil Boring, Well Installation, and Groundwater Sampling Program, March 1991.
G&M	Aquifer Test Results and Short Term Measures Design, Housatonic River, Oxbow Area D, May 1991.
Golder	Work Plan for Short-Term Measures and Additional Hydrogeologic Assessment, Oxbow Area D, Lyman Street, Pittsfield, Massachusetts, August 1991.
Golder	Additional Hydrogeologic Assessment and Short-Term Measures Evaluation and Proposal, Oxbow Area D, Lyman Street, Pittsfield, Massachusetts, January 1992.
B&B	MCP Phase I Report for Lyman Street Parking Lot (Oxbow Area D), March 1992.
BBL	MCP Phase I and Interim Phase II Report for Former Housatonic River Oxbow Areas A, B, C, E, F, J, and K, April 1992

TABLE 1-1
(cont'd)

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RFI REPORT FOR LYMAN STREET PARKING LOT/OXBOW AREA E AND USEPA AREA 5A

SUMMARY OF STUDIES CONDUCTED RELATED TO THE LYMAN STREET PARKING LOT SITE: 1986 - 1996

Author	Title and Date of Study/Report
G&M	Lyman Street Soil Boring and Recovery Well Installation, November 1992.
B&B	Lyman Street Parking Lot (Oxbow Area D) MCP Phase II Scope of Work, November 1992.
Zorex	Ambient Air Monitoring for PCB, August 20, 1991 - August 14, 1992, General Electric Co., Pittsfield, MA. November 1992.
Golder	Effectiveness Evaluation of Short-Term Measures, Lyman Street Site (Oxbow Area D), August 1993.
Zorex	Ambient Air Monitoring for PCB, May 4, 1993 to August 17, 1993, General Electric Company, Pittsfield, MA. November 1993.
BBL	MCP Phase I Report for Lyman Street Parking Lot (Oxbow Area D) and Current Assessment Summary for USEPA Area 5A, February 1994
BBL	MCP Phase II Scope of Work (SOW) for Lyman Street Parking Lot (Oxbow Area D)and Proposal for RCRA Facility Investigation of USEPA Area 5A. February, 1994.
RUST	Effectiveness Evaluation of Short-Term Measures Lyman Street Site (Oxbow Area D), Pittsfield, Massachusetts. September 1994.
ChemRisk	Preliminary Health and Environmental Assessment Proposal for the Lyman Street Parking Lot Site. October 1994.
RUST	Letter report to GE regarding October 1994 well installation and site sampling (November 29, 1994)
Golder	Revised MCP Phase II Scope of Work for Lyman Street Parking Lot (Oxbow Area D) and Proposal for RCRA Facility Investigation for USEPA Area 5A. January 1995.
Golder	Addendum to MCP Phase II Scope of Work for Lyman Street Site and Proposal for RCRA Facility Investigation of USEPA Area 5A. May 1995.
Golder	Effectiveness Evaluation of Short-Term Measures, Lyman Street (Oxbow Area D) Pittsfield, Massachusetts, October 1995

TABLE 1-1
(cont'd)

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RFI REPORT FOR LYMAN STREET PARKING LOT/OXBOW AREA E AND USEPA AREA 5A

SUMMARY OF STUDIES CONDUCTED RELATED TO THE LYMAN STREET PARKING LOT SITE: 1986 - 1996

Author	Title and Date of Study/Report
BBL	Supplemental Phase II/RCRA Facility Investigation Report for the Housatonic River and Silver Lake, January 1996
Golder	Stage B Short-Term Measure Evaluation and Proposal for Lyman Street Parking Lot (Oxbow Area D) for RCRA Facility Investigation for USEPA Area 5A, Pittsfield, Massachusetts, March 1996
ChemRisk	Proposal for Human Health and Environmental Assessment of the Lyman Street Parking Lot Site. May 1996.

Abbreviations:

G&M = Geraghty & Miller, Inc., Plainview, New York.
B&B = Blasland & Bouck Engineers, P.C., Syracuse, New York.
Golder = Golder Associates, Inc., Mt. Laurel, New Jersey.
BBL = Blasland, Bouck & Lee, Inc., Syracuse, New York
RUST = Rust Environment & Infrastructure, Inc., Albany New York
Zorex = Zorex Environmental Engineers, Inc., Pittsfield, MA.

TABLE 2-1

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RFI REPORT FOR LYMAN STREET PARKING LOT/OXBOW AREA E AND USEPA AREA 5A

SUMMARY OF PROPERTY OWNERS ADJACENT TO THE LYMAN STREET PARKING LOT SITE

Property Identification	Owner/Address
I9-8-7	R. James Bridges PO Box 684 Pittsfield, MA 01201
I9-8-8	Nicholas Real Estate Trust Elizabeth J. Quigley TR. 500 Main Street Great Barrington, MA 01230
I9-8-9	Frank Maffuccio 762 East Street Pittsfield, MA 01201
I9-8-10	July Development Associates Nominee Trust C. Jeffery Cook TR. 66 West Street Pittsfield, MA 01201
I9-8-12	Johnson Family Nominee Realty Trust Gary A. Johnson TR. 694 East Street Pittsfield, MA 01201
I9-4-23	Philip E. Massery 10 Lyman Street Pittsfield, MA 01201

Notes:

1. Property ownership information was obtained from the City of Pittsfield Tax Assessors' office and is current through December 31, 1991.
2. Refer to Figure 3-1 for illustration of parcel locations.
3. * - Although City of Pittsfield tax information presents parcel I9-8-2 as being owned by Western Massachusetts Electric Company, other available information indicates this parcel to be owned by Northeast Utilities Service Co., 33 West Street, Pittsfield, MA 01201.

TABLE 2-2

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RFI REPORT FOR LYMAN STREET PARKING LOT/OXBOW AREA E AND USEPA AREA 5A

SUMMARY OF HISTORICAL AERIAL PHOTOGRAPHS TAKEN WHICH DEPICT THE LYMAN STREET PARKING LOT

Date	Photographer	Approximate Scale of Photos
July 13, 1942*	National Archives, Washington, D.C.	1:16,300
November 24, 1956*	Col-East, Inc., North Adams, MA	1:9,600
October 3, 1957	Col-East, Inc., North Adams, MA	1:25,000
July 3, 1960	Col-East, Inc., North Adams, MA	1:2,400
April 14, 1969	Col-East, Inc., North Adams, MA	1:4,800
July 1, 1974	Col-East, Inc., North Adams, MA	1:2,400
March 21, 1979	Col-East, Inc., North Adams, MA	1:6,000
November 3, 1981 (portion of site only)	Col-East, Inc., North Adams, MA	1:2,400
April 13, 1983	Quinn Associates, Inc., Horsham, PA	1:12,000
November 1, 1987	Col-East, Inc., North Adams, MA	1:19,200
April 23, 1990*	Lockwood Mapping, Inc., Rochester, NY	1:6,000
August 8, 1990	Col-East, Inc., North Adams, MA	1:6,000

Note:

1. * = Photographs reproduced - see Figure 2-2.

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TABLE 4-1

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF SOILS PCB DATA
(Results Presented in Dry-Weight Parts Per Million, ppm)

Location ID:	Depth (ft)	Date Sampled	Aroclor 1016, 1232, 1242, and/or 1248	Aroclor 1254	Aroclor 1260	Total Aroclors
E-1	0-.33	4/91	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
	0-2	4/91	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
	2-4	4/91	ND(0.05)	ND(0.05)	0.35	0.35
	4-6	4/91	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
	6-8	4/91	ND(0.05)	ND(0.05)	0.16*	0.16
	8-10	4/91	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
	10-12	4/91	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
	12-14	4/91	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
	14-16	4/91	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
	16-18	4/91	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
	18-20	4/91	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
	20-22	4/91	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
	22-24	4/91	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
E-2	0-.33	4/91	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
	0-2	4/91	ND(0.05)	0.68	0.11	0.79
	2-4	4/91	ND(0.05)	0.41*	0.05	0.46
	4-6	4/91	ND(0.05)	0.23	ND(0.05)	0.23
	6-8	4/91	ND(0.05)	1.2	0.15	1.35
	8-10	4/91	ND(0.05)	0.28	ND(0.05)	0.28
	10-12	4/91	ND(0.05)	0.25	ND(0.05)	0.25
	12-14	4/91	ND(0.05)	0.91	0.06	0.97
	14-16	4/91	ND(0.05)	0.7	0.06	0.76
	16-18	4/91	ND(0.05)	0.15	ND(0.05)	0.15
	18-20	4/91	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
	20-22	4/91	ND(0.05)	ND(0.05)	ND(0.05)	ND(0.05)
E-3	0-2	08/09/95	ND(4.4)/ND(1.1)	ND(13)/15*	22/19	22/19
	2-4	08/09/95	ND(1.1)	ND(2.2)	7.7	7.7
	4-6	08/09/95	ND(2.3)	ND(6.9)	15	15
	6-8	08/09/95	ND(0.23)	1.2	1.2	2.4
	10-12	08/09/95	ND(0.023) [ND(0.023)]	ND(0.047) [ND(0.048)]	0.073 [0.084]	0.073 [0.084]
	12-14	08/09/95	ND(0.052)	ND(0.11)	0.18	0.18
	14-16	08/09/95	ND(0.026)	ND(0.053)	0.063	0.063
	16-18	08/09/95	ND(0.023)	ND(0.045)	ND(0.045)	ND(0.045)
	20-22	08/09/95	ND(0.024)	ND(0.049)	ND(0.049)	ND(0.049)
E-4	0-2	08/09/95	ND(0.23)/ND(0.47)	ND(0.55)/ND(1.4)	2.0/6.6	2.0/6.6
	2-4	08/09/95	ND(0.23)	ND(0.45)	1.50	1.5
	4-6	08/09/95	ND(0.23)	ND(0.56)	2.0	2.0
	6-8	08/09/95	ND(0.11)	ND(0.23)	0.38	0.38
	8-10	08/09/95	ND(0.046)	ND(0.092)	0.17	0.17
	10-12	08/09/95	ND(0.024)	ND(0.047)	ND(0.047)	ND(0.047)
	12-14	08/09/95	ND(0.026)	ND(0.052)	ND(0.052)	ND(0.052)
	14-16	08/09/95	ND(0.027)	ND(0.053)	ND(0.053)	ND(0.053)
	16-18	08/09/95	ND(0.025)	ND(0.049)	ND(0.049)	ND(0.049)
	18-20	08/09/95	ND(0.023)	ND(0.047)	ND(0.047)	ND(0.047)
	20-22	08/09/95	ND(0.025)	ND(0.05)	ND(0.05)	ND(0.05)
E-5	0-2	08/10/95	ND(0.43)	2.4	ND(0.87)	2.4
	2-4	08/10/95	ND(0.022)	ND(0.044)	ND(0.044)	ND(0.044)
	4-6	08/10/95	ND(0.022)	ND(0.043)	ND(0.043)	ND(0.043)
	6-8	08/10/95	ND(0.02)/ND(0.022)	ND(0.041)/ND(0.044)	ND(0.041)/ND(0.044)	ND(0.041)/ND(0.044)
	8-10	08/10/95	ND(0.022)	ND(0.044)	ND(0.044)	ND(0.044)
	10-12	08/10/95	ND(0.025)	ND(0.051)	ND(0.051)	ND(0.051)
	12-14	08/10/95	ND(0.12)	0.47	ND(0.24)	0.47

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TABLE 4-1
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GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF SOILS PCB DATA
(Results Presented in Dry-Weight Parts Per Million, ppm)

Location ID:	Depth (ft)	Date Sampled	Aroclor 1016, 1232, 1242, and/or 1248	Aroclor 1254	Aroclor 1260	Total Aroclors
E-5 (Cont'd)	14-16	08/10/95	ND(0.027) [ND(0.028)]	ND(0.055) [ND(0.055)]	ND(0.055) [ND(0.055)]	ND(0.055) [ND(0.055)]
	16-18	08/10/95	ND(0.028)	ND(0.056)	ND(0.056)	ND(0.056)
E-6	0-2	08/16/95	ND(1.2)/ND(0.47)	4.2*/ND(0.95)	ND(2.3)/1.5	4.2/1.5
	2-4	08/16/95	ND(0.12) [ND(0.13)]	0.56 [0.82]	ND(0.31) [ND(0.3)]	0.56 [0.82]
	4-6	08/16/95	ND(0.11)	0.65	0.58	1.23
	6-8	08/16/95	ND(0.046)	0.38	ND(0.091)	0.38
	8-10	08/16/95	ND(0.11)	0.8	ND(0.22)	0.8
E-7	0-2	08/07/95	ND(0.12)	ND(0.23)	0.33*	0.33
	2-4	08/07/95	ND(0.022)	ND(0.045)	ND(0.045)	ND(0.045)
	4-6	08/07/95	ND(0.046)/ND(0.022)	ND(0.092)/ND(0.045)	0.097*/ND(0.045)	0.097/ND(0.045)
	6-8	08/07/95	ND(0.026)	ND(0.051)	ND(0.051)	ND(0.051)
	8-10	08/07/95	ND(0.026)	ND(0.053)	ND(0.053)	ND(0.053)
	10-12	08/07/95	ND(0.026)	ND(0.051)	ND(0.051)	ND(0.051)
	12-14	08/07/95	ND(0.025)	ND(0.05)	ND(0.05)	ND(0.05)
	14-16	08/07/95	ND(0.026)	ND(0.051)	ND(0.051)	ND(0.051)
	16-18	08/07/95	ND(0.026)	ND(0.052)	ND(0.052)	ND(0.052)
	18-20	08/07/95	ND(0.024)	ND(0.047)	ND(0.047)	ND(0.047)
E-8	18-20	08/09/95	ND(0.031)	ND(0.062)	ND(0.062)	ND(0.062)
LS-2	0-4	08/24/89	ND(0.08)	5.3	0.73	6.03
	4-8	08/24/89	ND(74)	7,300	ND(300)	7,300
	8-12	08/24/89	ND(410)	25,000	ND(1,400)	25,000
	18-22	08/24/89	ND(0.18)	19*	ND(0.75)	19
LS-4	0-6	08/26/89	ND(0.3)	17	ND(1)	17
	6-12	08/26/89	ND(30)	1,100*	ND(80)	1,100
	12-18	08/26/89	ND(20)	830*	ND(50)	830
	18-22	08/26/89	ND(2.0)	190	ND(5)	190
LS-7	0-2	09-10/90	ND(2.0)	130	ND (9)	130
	2-4	09-10/90	ND(0.05)	1.5	ND (0.2)	1.5
	4-6	09-10/90	ND(0.05)	4.7*	ND (0.7)	4.7
	6-8	09-10/90	ND(0.2)	15	ND (2)	15
	8-10	09-10/90	ND(0.6)	21	ND (4)	21
	10-12	09-10/90	ND(0.2)	13	ND (2)	13
	12-14	09-10/90	ND(0.05)	0.09	ND (0.05)	0.09
	14-16	09-10/90	ND(0.05)	0.27	ND (0.05)	0.27
	16-18	09-10/90	ND(0.05)	1.1	ND (0.2)	1.1
LS-8	0-2	09-10/90	ND(0.08)	5.6	ND (0.7)	5.6
	2-4	09-10/90	ND(0.9)	130*	ND (10)	130
	4-6	09-10/90	ND(0.2)	8.1	ND (0.4)	8.1
	6-8	09-10/90	ND(0.05)	1.9	6.2	8.1
	8-10	09-10/90	ND(40)	2,900	ND (200)	2,900
	10-12	09-10/90	ND(90)	5,800	ND (200)	5,800
	12-14	09-10/90	ND(100)	8,300	ND (300)	8,300
	14-16	09-10/90	ND(100)	4,800	ND (200)	4,800
	16-18	09-10/90	ND(100)	3,900	ND (200)	3,900
	18-20	09-10/90	ND(90)	2,500	ND (200)	2,500
	20-22	09-10/90	ND(30)	990	ND (80)	990
	22-24	09-10/90	ND(2.0)	130	ND (7)	130

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GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF SOILS PCB DATA
(Results Presented in Dry-Weight Parts Per Million, ppm)

Location ID:	Depth (ft)	Date Sampled	Aroclor 1016, 1232, 1242, and/or 1248	Aroclor 1254	Aroclor 1260	Total Aroclors
LS-9	0-2	09-10/90	ND(0.2)	7.2	8.5	16
	2-4	09-10/90	ND(0.05)	1.5	ND (0.08)	1.5
	4-6	09-10/90	ND(0.05)	1.8	ND (0.08)	1.8
	6-8	09-10/90	ND(0.05)	1.6	ND (0.09)	1.6
	8-10	09-10/90	ND(0.08)	2.3	ND (0.2)	2.3
	10-12	09-10/90	ND(0.05)	2	ND (0.1)	2.0
	12-14	09-10/90	ND(0.05)	2.1	ND (0.1)	2.1
	14-16	09-10/90	ND(0.56)	1.8 D	ND (1.1)	1.8 D
	16-18	09-10/90	ND(0.05)	1.5	ND (0.07)	1.5
	18-20	09-10/90	ND(0.05)	0.61*	ND (0.05)	0.61
LS-10	0-2	09-10/90	ND(0.05)	0.51	ND (0.05)	0.51
	2-4	09-10/90	ND(0.1)	8.9	ND (0.6)	8.9
	4-6	09-10/90	ND(0.05)	0.45	ND (0.05)	0.45
	6-8	09-10/90	ND(0.05)	3.1	ND (0.2)	3.1
	8-10	09-10/90	ND(0.05)	0.1	ND (0.05)	0.1
	10-12	09-10/90	ND(0.088)	0.14J	ND (0.18)	0.14J
	12-14	09-10/90	ND(0.05)	1.4	ND (0.07)	1.4
	14-16	09-10/90	ND(0.05)	0.73	ND (0.05)	0.73
	16-18	09-10/90	ND(0.06)	4.4	ND (0.2)	4.4
	18-20	09-10/90	ND(0.05)	0.28	ND (0.05)	0.28
	20-22	09-10/90	ND(0.05)	0.31	ND (0.05)	0.31
	22-24	09-10/90	ND(0.05)	0.46	ND (0.05)	0.46
LS-11	0-2	09-10/90	ND(0.2)	24	ND (1)	24
	2-4	09-10/90	ND(20)	1,300	ND (90)	1,300
	4-6	09-10/90	ND(3,000)	290,000	ND (10,000)	290,000
	6-8	09-10/90	ND(40)	2,000	ND (80)	2,000
	8-10	09-10/90	ND(300)	22,000	ND (800)	22,000
	10-12	09-10/90	ND(2,400)	11,000 D	ND (4,800)	11,000 D
	12-14	09-10/90	ND(9.0)	640*	ND (20)	640
	14-16	09-10/90	ND(100)	4,700	ND (200)	4700
	16-18	09-10/90	ND(7.0)	440	ND (20)	440
	18-20	09-10/90	ND(0.2)	9.3	ND (0.8)	9.3
	20-22	09-10/90	ND(0.3)	14	ND (0.8)	14
	22-24	09-10/90	ND(0.2)	6.1	ND (0.4)	6.1
LS-12	2-4	09-10/90	ND(0.05)	0.84	1.4	2.2
	6-8	09-10/90	ND(0.05)	3.9	1	4.9
	10-12	09-10/90	ND(0.05)	0.65	0.31	0.96
	14-16	09-10/90	ND(0.05)	0.21	0.08	0.29
	18-20	09-10/90	ND(4.0)	310	ND (20)	310
	24-26	09-10/90	ND(0.2)	23	ND (0.7)	23
LS-13	2-4	09-10/90	ND(20)	1,100	1,200	2,300
	6-8	09-10/90	ND(8.0)	580	ND (100)	580
	10-12	09-10/90	ND(10)	330*	84*	410
	14-16	09-10/90	ND(100)	3,700*	ND (200)	3,700
	18-20	09-10/90	ND(7.0)	560*	ND (20)	560
	22-24	09-10/90	ND(2.0)	70*	ND (4)	70
LS-26	0-2	08/10/95	ND(0.22)	0.98	0.99	2
	10-12	08/10/95	ND(0.024)	ND(0.049)	ND(0.049)	ND(0.049)
LS-27	0-2	08/11/95	ND(1.1)	11	ND(2.1)	11
	2-4	08/11/95	ND(0.22)/ND(0.11)	ND(.44)/0.42	0.83/0.77	0.83/1.19
	4-6	08/11/95	ND(0.43)	7	ND(1.6)	7.0
	8-10	08/11/95	ND(0.46)	1.4	ND(0.92)	1.4

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GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF SOILS PCB DATA
(Results Presented in Dry-Weight Parts Per Million, ppm)

Location ID:	Depth (ft)	Date Sampled	Aroclor 1016, 1232, 1242, and/or 1248	Aroclor 1254	Aroclor 1260	Total Aroclors
LS-27 (Cont'd)	10-12	08/11/95	ND(0.23)	0.48	ND(0.47)	0.48
	12-14	08/11/95	ND(0.14)	0.4	ND(0.27)	0.4
	14-16	08/11/95	ND(0.024)	0.12	ND(0.049)	0.12
	16-18	08/11/95	ND(0.022)	ND(0.044)	ND(0.044)	ND(0.044)
	18-20	08/11/95	ND(0.024)	ND(0.048)	ND(0.048)	ND(0.048)
LS-28	0-2	08/14/95	ND(0.1)	0.63	ND(0.21)	0.63
	2-4	08/14/95	ND(0.21)	1.3	ND(0.42)	1.3
	4-6	08/14/95	ND(0.42)	3.1	ND(0.85)	3.1
	6-8	08/14/95	ND(0.022)	ND(0.044)	ND(0.044)	ND(0.044)
	8-10	08/14/95	ND(0.42)	3.6	ND(0.84)	3.6
	10-12	08/14/95	ND(0.043)/ND(0.04)	0.25*/0.26	ND(0.087)/ND(0.080)	0.25/0.26
	12-14	08/14/95	ND(0.022)	ND(0.044)	ND(0.044)	ND(0.044)
	14-16	08/14/95	ND(0.022)	ND(0.044)	ND(0.044)	ND(0.044)
	16-18	08/14/95	ND(0.022)	ND(0.043)	ND(0.043)	ND(0.043)
	18-20	08/14/95	ND(0.023) [ND(0.024)]	ND(0.047) [ND(0.048)]	ND(0.047) [ND(0.048)]	ND(0.047) [ND(0.048)]
	20-22	08/14/95	ND(0.023)	ND(0.046)	ND(0.046)	ND(0.046)
	22-24	08/14/95	ND(0.026)	ND(0.051)	ND(0.051)	ND(0.051)
LS-29	0-2	08/08/95	ND(4.4)	28	ND(14.0)	28
	10-12	08/08/95	ND(0.024)	0.19	ND(0.047)	0.19
	30-32	08/08/95	ND(0.023)	ND(0.046)	ND(0.046)	ND(0.046)
	32-34	08/08/95	ND(0.022)	ND(0.044)	ND(0.044)	ND(0.044)
LS-30	0-2	08/14/95	ND(25)	49	360	409
	10-12	08/14/95	ND(560)	5,800	ND(1,100)	5,800
	12-14	08/14/95	ND(120)	980	ND(240)	980
	14-16	08/14/95	ND(580)/ND(250)	4,400/2,500	ND(1,200)ND(500)	4,400/2,500
	16-18	08/14/95	ND(540)	4,200	ND(1,100)	4,200
	18-20	08/14/95	ND(4.9)	130	ND(16.0)	130
LS-31	0-2	08/15/95	ND(20)	890	ND(340)	890
	10-12	08/15/95	ND(280)	2,900	ND(640)	2,900
	12-14	08/15/95	ND(66)	1,700	450	2,150
	14-16	08/15/95	ND(38)	340	78	418
	16-18	08/15/95	ND(66)	410	150	560
	18-20	08/15/95	ND(23)/ND(24)	380*/320	67/ND(78)	447/320
LS-32***	2-4	10/12/94		(5300)		5,300
LS-33***	0-2	10/12/94		3.9	2.1	6
	2-4	10/12/94		2.1	ND	2.1
	4-6	10/12/94		2.2	ND	2.2
	6-8	10/12/94		1.3	ND	1.3
	8-10	10/12/94		0.87	ND	0.87
	10-12	10/12/94		0.59	0.12	0.71
	12-14	10/12/94		0.52	0.38	0.9
	14-16	10/12/94		490	100	590
	16-18	10/12/94		120(28P)	25	145
LS-34	0-2	12/14/95	ND(0.31)** [ND(0.11)]**	ND(0.93)** [ND(0.45)]**	0.73 [0.32]	0.73 [0.32]
	2-4	12/14/95	ND(0.13)**	ND(0.39)**	0.27	0.27
	4-6	12/14/95	ND(0.22)**	0.53	ND(0.33)**	0.53
	6-8	12/14/95	ND(0.38)**	0.43	ND(0.2)**	0.43
	8-10	12/14/95	DD(0.06)**	0.061	ND(0.057)	0.061
	10-12	12/14/95	ND(0.03)	ND(.059)	ND(0.059)	ND(0.059)
	12-14	12/14/95	ND(0.1)**	0.063	ND(0.056)	0.063

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GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF SOILS PCB DATA

(Results Presented in Dry-Weight Parts Per Million, ppm)

Location ID:	Depth (ft)	Date Sampled	Aroclor 1016, 1232, 1242, and/or 1248	Aroclor 1254	Aroclor 1260	Total Aroclors
LS-34 (Cont'd)	14-16	12/14/95	ND(0.051)**	ND(0.059)	ND(0.059)	ND(0.059)
	16-18	12/14/95	ND(0.05)**	ND(0.061)	ND(0.061)	ND(0.061)
	18-20	12/14/95	ND(0.073)**	0.055	ND(0.045)	0.055
	20-22	12/14/95	ND(0.41)**	0.41	ND(0.12)**	0.41
	22-24	12/14/95	ND(1,400)*/ND(1,200)	1,700/1,600	ND(550)*/ND(460)*	1,700/1,600
	24-26	12/14/95	ND(26)**	33	ND(10)**	33
LS-35	0-2	08/15/95	ND(10) [ND(10)]	29 [35]	ND(21) [ND(21)]	29 [35]
	12-14	08/15/95	ND(120)	1,000	ND(240)	1,000
LS-36	0-2	08/07/95	ND(0.043)	0.31	ND(0.11)	0.31
	2-4	08/07/95	ND(1.2)	5.3*	ND(2.4)	5.3
	4-6	08/07/95	ND(1.2) [ND(1.1)]	5.1 [7.0*]	ND(2.3) [ND(2.3)]	5.1 [7.0]
	6-8	08/07/95	ND(0.023)	ND(0.046)	ND(0.046)	ND(0.046)
	8-10	08/07/95	ND(0.047)	0.22*	ND(0.094)	0.22
	10-12	08/07/95	ND(0.023)	0.098*	ND(0.047)	0.098
	12-14	08/07/95	ND(0.024)	ND(0.049)	ND(0.049)	ND(0.049)
	14-16	08/07/95	ND(0.024)	ND(0.047)	ND(0.047)	ND(0.047)
	16-18	08/07/95	ND(0.026)/0.11	ND(0.051)/ND(0.045)	ND(0.051)/ND(0.045)	ND(0.051)/0.11
	18-20	08/07/95	ND(0.026)	ND(0.052)	ND(0.052)	ND(0.052)
	20-22	08/07/95	ND(0.022)	ND(0.044)	ND(0.044)	ND(0.044)
	22-24	08/07/95	ND(0.022)	ND(0.044)	ND(0.044)	ND(0.044)
	24-26	08/07/95	ND(0.023)	ND(0.046)	ND(0.046)	ND(0.046)
	26-28	08/07/95	ND(0.024)	ND(0.048)	ND(0.048)	ND(0.048)
	28-30	08/07/95	ND(0.024)	ND(0.048)	ND(0.048)	ND(0.048)
LS-37	0-2	08/08/95	ND(0.043)	ND(0.1)	0.18	0.18
	2-4	08/08/95	ND(0.043)	ND(0.085)	0.16	0.16
	4-6	08/08/95	ND(0.021)	ND(0.042)	ND(0.042)	ND(0.042)
	6-8	08/08/95	ND(0.022)/ND(0.022) [ND(0.022)]	ND(0.044)/ND(0.045) [ND(0.043)]	ND(0.044)/ND(0.045) [ND(0.043)]	ND(0.044)/ND(0.045) [ND(0.043)]
	8-10	08/08/95	ND(0.023)	ND(0.047)	ND(0.047)	ND(0.047)
	10-12	08/08/95	ND(0.024)	ND(0.048)	ND(0.048)	ND(0.048)
	12-14	08/08/95	ND(0.024)	ND(0.049)	ND(0.049)	ND(0.049)
	14-16	08/08/95	ND(0.025)	ND(0.049)	ND(0.049)	ND(0.049)
	16-18	08/08/95	ND(0.026)	ND(0.051)	ND(0.051)	ND(0.051)
	18-20	08/08/95	ND(0.027)	ND(0.054)	ND(0.054)	ND(0.054)
	20-22	08/08/95	ND(0.038)	ND(0.077)	ND(0.077)	ND(0.077)
	22-24	08/08/95	ND(0.024)	ND(0.048)	ND(0.048)	ND(0.048)
LS-38	0-2	08/14/95	ND(0.44)	1.8	1	2.8
	2-4	08/14/95	ND(0.042)	0.097	ND(0.084)	0.097
	4-6	08/14/95	ND(0.1)	0.65	ND(0.21)	0.65
	6-8	08/14/95	ND(0.1)	0.64	ND(0.21)	0.64
	12-14	08/14/95	ND(0.023)	0.051	ND(0.045)	0.051
	14-16	08/14/95	ND(0.025)	ND(0.05)	ND(0.05)	ND(0.05)
	16-18	08/14/95	ND(0.025)/ND(0.021)	ND(0.05)/ND(0.042)	ND(0.05)/ND(0.042)	ND(0.05)/ND(0.042)
	18-20	08/14/95	ND(0.023)	0.14	ND(0.045)	0.14
	22-24	08/14/95	ND(0.45)	3.5	ND(0.9)	3.5
LS-39	0-2	08/10/95	ND(0.022)	ND(0.043)	ND(0.043)	ND(0.043)
	2-4	08/10/95	ND(0.024)	ND(0.048)	ND(0.048)	ND(0.048)
	4-6	08/10/95	ND(0.022)	ND(0.044)	ND(0.044)	ND(0.044)
	6-8	08/10/95	ND(0.027)	ND(0.054)	ND(0.054)	ND(0.054)
	8-10	08/10/95	ND(0.021)	ND(0.042)	ND(0.042)	ND(0.042)
	10-12	08/10/95	ND(0.022)/ND(0.024)	ND(0.043)/ND(0.048)	ND(0.043)/ND(0.048)	ND(0.043)/ND(0.048)
	12-14	08/10/95	ND(0.022)	ND(0.045)	ND(0.045)	ND(0.045)

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TABLE 4-1
(Cont'd)

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF SOILS PCB DATA
(Results Presented in Dry-Weight Parts Per Million, ppm)

ID	Depth (ft)	Date Sampled	Aroclor 1016, 1232, 1242, and/or 1248	Aroclor 1254	Aroclor 1260	Total Aroclors
LS-40	0-2	08/10/95	ND(0.028)	ND(0.055)	ND(0.055)	ND(0.055)
	2-4	08/10/95	ND(0.021)	ND(0.041)	ND(0.041)	ND(0.041)
	4-6	08/10/95	ND(0.021)	ND(0.042)	ND(0.042)	ND(0.042)
	6-8	08/10/95	ND(0.02)	ND(0.041)	ND(0.041)	ND(0.041)
	8-10	08/10/95	ND(0.022)	ND(0.044)	ND(0.044)	ND(0.044)
	10-12	08/10/95	ND(0.023)/ND(0.024)	ND(0.046)/ND(0.047)	ND(0.046)/ND(0.047)	ND(0.046)/ND(0.047)
LS-41	10-12	12/13/95	ND(3400)	3,400	ND(1000)	3,400
	12-14	12/13/95	ND(1100)	1,000	ND(300)	1,000
	14-16	12/13/95	ND(5.1)	4.3	ND(1.5)	4.3
	16-18	12/13/95	ND(32)	33	ND(11)	33
	18-20	12/13/95	ND(80)	82	ND(26)	82
LS-42	0-2	04/23/96	ND(0.47)	5.6	ND(0.94)	5.6
	2-4	04/23/96	ND(0.024)	0.1	ND(0.047)	0.1
	4-6	04/23/96	ND(0.023)	ND(0.045)	ND(0.045)	ND(0.045)
	6-8	04/23/96	ND(0.026)	ND(0.053)	ND(0.053)	ND(0.053)
	8-10	04/23/96	ND(0.026)	ND(0.051)	ND(0.051)	ND(0.051)
	10-12	04/23/96	ND(0.025)	ND(0.049)	ND(0.049)	ND(0.049)
	12-14	04/23/96	ND(0.023)	ND(0.046)	ND(0.046)	ND(0.046)
	14-16	04/23/96	ND(0.024)	ND(0.047)	ND(0.047)	ND(0.047)
	16-18	04/23/96	ND(0.22)	2.0	ND(0.45)	2.0
	18-20	04/23/96	ND(0.023) [ND(0.023)]	0.18 [0.15]	ND(0.045) [ND(0.046)]	0.18 [0.15]
	20-22	04/23/96	ND(0.022)	0.051	ND(0.045)	0.051
	22-24	04/23/96	ND(0.049)	0.38	ND(0.098)	0.38
LS-43	0-2	04/24/96	ND(0.083)	0.54	ND(0.17)	0.54
	2-4	04/24/96	ND(0.084)	0.58	ND(0.17)	0.58
	4-6	04/24/96	ND(0.22)	1.1	ND(0.43)	1.1
	8-10	04/24/96	ND(0.027)	0.094	ND(0.055)	0.094
	10-12	04/24/96	ND(0.026)	ND(0.053)	ND(0.053)	ND(0.053)
	12-14	04/24/96	ND(0.025)	0.082	ND(0.051)	0.082
	14-16	04/24/96	ND(0.026)	ND(0.052)	ND(0.052)	ND(0.052)
	16-18	04/24/96	ND(0.024)	0.17	ND(0.048)	0.17
	18-20	04/24/96	ND(0.024)	0.13	ND(0.049)	0.13
	20-22	04/24/96	ND(0.024)	0.099	ND(0.047)	0.099
	22-24	04/24/96	ND(1.2)	7.1	ND(2.3)	7.1
	24-26	04/24/96	ND(22) [ND(22)]	260 [71]	ND(44) [ND(44)]	260 [71]
LS-44	0-2	04/24/96	ND(0.44)	3.8	ND(0.87)	3.8
	2-4	04/24/96	ND(2.3)	22	ND(4.5)	22
	4-6	04/24/96	ND(0.022)	0.13	ND(0.045)	0.13
	6-8	04/24/96	ND(0.13)	0.67	ND(0.26)	0.67
	8-10	04/24/96	ND(0.57)	5.0	ND(1.1)	5.0
	10-12	04/24/96	ND(0.027)	ND(0.055)	ND(0.055)	ND(0.055)
	12-14	04/24/96	ND(0.028)	0.14	ND(0.056)	0.14
	14-16	04/24/96	ND(0.27)	1.6	ND(0.54)	1.6
	16-18	04/24/96	ND(0.024)	0.083	ND(0.047)	0.083
	18-20	04/24/96	ND(0.024)	ND(0.047)	ND(0.047)	ND(0.047)
	20-22	04/24/96	ND(0.024)	0.3	ND(0.047)	0.3
	22-24	04/24/96	ND(0.024)	0.072	ND(0.048)	0.072
	24-26	04/24/96	ND(0.022)	ND(0.045)	ND(0.045)	ND(0.045)
LS-45	0-2	04/25/96	ND(0.21)	2.3	ND(0.42)	2.3
	2-4	04/25/96	ND(2.2)	26	ND(4.4)	26
	4-6	04/25/96	ND(0.99)	8.3	ND(2.0)	8.3
	6-8	04/25/96	ND(0.14)	1.1	ND(0.27)	1.1

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TABLE 4-1
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GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF SOILS PCB DATA
(Results Presented in Dry-Weight Parts Per Million, ppm)

ID	Depth (ft)	Date Sampled	Aroclor 1016, 1232, 1242, and/or 1248	Aroclor 1254	Aroclor 1260	Total Aroclors
LS-45 (Cont'd)	8-10	04/25/96	ND(0.056)	0.61	ND(0.11)	0.61
	10-12	04/25/96	ND(0.024)	0.092	ND(0.047)	0.092
	12-14	04/25/96	ND(0.024) [ND(0.023)]	0.081 [ND(0.045)]	ND(0.047) [ND(0.045)]	0.081 [ND(0.045)]
	14-16	04/25/96	ND(0.45)	5.9	ND(0.89)	5.9
	16-18	04/25/96	ND(0.091)	0.85	ND(0.18)	0.85
	18-20	04/25/96	ND(0.046)	0.41	ND(0.093)	0.41
	20-22	04/25/96	ND(0.051)	0.52	ND(0.1)	0.52
	22-24	04/25/96	ND(0.024)	ND(0.048)	ND(0.048)	ND(0.048)
	24-26	04/25/96	ND(0.1)	0.88	ND(0.2)	0.88
	26-28	04/25/96	ND(0.026)	0.14	ND(0.051)	0.14
	28-30	04/25/96	ND(0.025)	0.063	ND(0.05)	0.063
	30-32	04/25/96	ND(0.022)	ND(0.044)	ND(0.044)	ND(0.044)
LS-Soil	Surface	09-10/90	ND(1.0)**	16*	7.9	23.9
LS-C-11	0-0.5	08/30/95	ND(0.4)	ND(0.8)	2.4	2.4
LS-C-12	0-0.5	08/30/95	ND(0.4)	1.2	ND(0.81)	1.2
LS-C-13	0-0.5	08/30/95	ND(22)	56	ND(43)	56
LS-C-14	0-0.5	08/30/95	ND(1.0)	7.3	ND(2.1)	7.3
LS-C-15	0-0.5	08/30/95	ND(0.041)	0.14	ND(0.082)	0.14
LS-C-16	0-0.5	08/30/95	[ND(0.04)] [ND(0.04)]	ND(0.1) [ND(0.1)]	0.14 [0.14]	0.14 [0.14]
LS-C-17	0-0.5	08/30/95	ND(0.1)	ND(0.3)	1	1
LS-C-18	0-0.5	08/30/95	ND(0.02)	ND(0.04)	ND(0.04)	ND(0.04)
LS-C-19	0-0.5	08/30/95	ND(0.041)	0.14	ND(0.1)	0.14
LS-GWP-1	0-1.75	11/21/94	--	--	--	3,600
	1.75-3.5	11/21/94	--	--	--	610
LS-GWP-2	0-1.75	11/21/94	--	--	--	34
	1.75-3.5	11/21/94	--	--	--	15
LS-GWS-3	0-1.75	11/21/94	--	--	--	1,020
	1.75-3.5	11/21/94	--	--	--	300
LS-GWP-4	0-1.75	11/21/94	--	--	--	5.1
	1.75-3.5	11/21/94	--	--	--	2.7
LS-GWP-5	0-1.75	11/21/94	--	--	--	6.5
	1.75-3.5	11/21/94	--	--	--	1.5
LS-GWP-6	0-0.5	12/16/94	ND(2.6)	54	ND(5.2)	54
LS-GWP-7	0-0.5	12/16/94	ND(2.6)	15.0*	20.0*	35
LS-GWP-8	0-0.5	12/16/94	ND(1.6)	13.0*	17.0*	30
LS-GWP-9	0-0.5	12/16/94	ND(12.0)	130*	ND(23.0)**	130
LS-GWP-10	0-0.5	12/16/94	ND(6.5)	ND(28.0)**	150	150
LS-GWP-11	0-0.5	12/16/94	ND(1.4)	6.8*	8.3*	15
LS-GWP-12	0-0.5	12/16/94	ND(1.2)	ND(4.1)**	26.0*	26
LS-GWP-13	0-0.5	12/16/94	ND(1.3) [ND(1.2)]	ND(7.1)** [ND(7.1)**]	32.0* [33.0*]	32 [33]
LS-GWP-14	0-0.5	12/16/94	ND(1.4)	ND(4.1)**	13.0*	13
LS-GWP-15	0-0.5	12/16/94	ND(1.4)	ND(4.8)**	32.0*	32
LS-GWP-16	0-0.5	12/16/94	ND(2.0)	44.0*	18.0*	62
LS-GWP-17	0-0.5	02/21/95	ND(6.3)	ND(13)	53	53
LS-GWP-18	0-0.5	02/21/95	ND(7.5)	ND(31)**	33	33
LS-GWP-19	0-0.5	02/21/95	ND(7.3)	ND(17)**	60	60
LS-GWP-20	0-0.5	02/21/95	ND(2.5)	ND(9.0)**	21	21
LS-GWP-21	0-0.5	02/21/95	ND(0.24)	ND(0.6)**	1.1	1.1
LS-GWP-22	0-0.5	02/21/95	ND(2.8)	ND(5.6)	32	32
LS-GWP-23	0-0.5	02/21/95	ND(12)	ND(25)	100	100
LS-GWP-24	0-0.5	02/21/95	ND(0.26)	ND(1.1)**	1.3	1.3

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TABLE 4-1
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GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF SOILS PCB DATA
(Results Presented in Dry-Weight Parts Per Million, ppm)

ID	Depth (ft)	Date Sampled	Aroclor 1016, 1232, 1242, and/or 1248	Aroclor 1254	Aroclor 1260	Total Aroclors
LS-GWP-25	0-0.5	02/21/95	ND(0.71)	ND(14)	4.2	4.2
LS-GWP-26	0-0.5	02/21/95	ND(2.5)	ND(6.5)**	16	16
LS-GWP-27	0-0.5	02/21/95	ND(1.1)	ND(2.2)	5.2	5.2
LS-GWP-28	0-0.5	02/21/95	ND(0.13)	ND(0.27)	0.3	0.3
LS-GWP-29	0-0.5	02/21/95	ND(0.14)	ND(0.29)	0.56	0.56
LS-GWP-30	0-0.5	02/21/95	ND(0.65)	ND(1.3)	2.3	2.3
LS-GWP-31	0-0.5	02/21/95	ND(0.12)	0.4*	0.98*	1.38
LS-GWP-32	0-0.5	02/21/95	NA	NA	NA	NA
LS-GWP-33	0-0.5	08/30/95	ND(5.1)	ND(10)	25	25
LS-GWP-34	0-0.5	08/30/95	ND(0.41) [ND(0.42)]	ND(0.83) [ND(0.84)]	1.0 [0.91]	1.0 [0.91]
LS-PL-FE-C1	0-1	06/26/91	–	26	–	26
LS-PL-SS-C1	0-0.3	04/20/92	–	5.3	–	5.3
LS-PL-SS-C2	0-0.3	04/20/92	–	0.9	–	0.9
LS-PL-SS-C3	0-0.3	04/20/92	–	0.8*	–	0.8
LS-PL-SS-C4	0-0.3	04/20/92	–	1.2	–	1.2
LS-PL-SS-C5	0-0.3	04/20/92	–	4.6	–	4.6
LS-PL-SS-C6	0-0.3	04/20/92	–	2.2	–	2.2
LS-PL-SS-C7	0-0.3	04/20/92	–	5.0	–	5.0
LS-PL-SS-C8	0-0.3	04/20/92	–	2.6	–	2.6
LS-PL-SS-C9	0-0.3	04/20/92	–	60	–	60
LS-PL-SS-C10	0-0.3	04/20/92	–	2.1	–	2.1

NOTES:

1. Samples collected during 8/89, 9/90 - 10/90, and 4/91 were collected by Geraghty & Miller, Inc., and submitted to IT Analytical Services for PCB analysis.
2. Samples collected during 6/91 and 4/92 were collected by Blasland, Bouck & Lee, Inc., and submitted to OBG Laboratories, Inc., for PCB analysis.
3. Samples collected during 10/94 were collected by Rust Environment & Infrastructure, Inc., and submitted to Quanterra Environmental Services for PCB analysis. Sample results in parenthesis were submitted to CompuChem Environmental Services for PCB analysis.
4. Samples collected during 11/94 were collected by Blasland, Bouck & Lee, Inc., and submitted to OBG Laboratories, Inc., for PCB analysis.
5. Samples collected during 12/94, 2/95, 8/95 - 12/95 and 4/96 were collected by Blasland, Bouck & Lee, Inc., and submitted to Quanterra Environmental Services for PCB analysis.
6. – = Data not reported by laboratory.
7. NA - Not analyzed.
8. ND(0.32) - Compound was analyzed for, but not detected. The number in parenthesis is the detection limit.
9. [ ] - Field duplicate analysis.
10. * - Sample exhibits alteration of standard Aroclor pattern.
11. ** - Higher detection limit due to interference.
12. J - Indicates an estimated value less than the CLP - required quantitation limit.
13. D - Analysis was performed at a secondary dilution factor.
14. P - Indicates that the percent difference between the results from the two analytical columns is greater than 25%.
15. RE = Reanalysis
16. ND(0.23)/ND(0.47) = Split laboratory analysis.
17. *** - Sample analytical results presented in November 29, 1994 letter report from RUST Environment & Infrastructure to Mr. John D. Ciampa presents compounds with concentrations above laboratory detection limits only. Data is not currently available for remaining compounds.

TABLE 4-2

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF SOIL APPENDIX IX+3 PESTICIDES/HERBICIDES DATA
(Results Presented in Dry-Weight Parts Per Million, ppm)

Location ID: Depth (ft):	E-3 (0-2)	E-4 (0-2)	E-5 (6-8)	E-6 (0-2)	E-7 (4-6)	E-8 (18-20)	LS-7 (14-16)	LS-8 (16-18)	LS-9 (14-16)
Date:	08/09/95	08/09/95	08/10/95	08/16/95	08/07/95	08/09/95	09-10/90	09-10/90	09-10/90
Aldrin	ND(0.096)	ND(0.02)	ND(0.0018)	ND(0.02)	ND(0.002)	ND(0.0026)	0.017D	150DJ	ND(0.011)
Alpha-BHC	ND(0.096)	ND(0.02)	ND(0.0018)	ND(0.02)	ND(0.002)	ND(0.0026)	ND(0.011)	ND(19)	ND(0.011)
Beta-BHC	ND(0.096)	ND(0.02)	ND(0.0018)	ND(0.02)	ND(0.002)	ND(0.0026)	ND(0.011)	ND(19)	0.021
Delta-BHC	ND(0.096)	ND(0.02)	ND(0.0018)	ND(0.02)	ND(0.002)	ND(0.0026)	ND(0.011)	ND(19)	ND(0.011)
Lindane	ND(0.096)	ND(0.02)	ND(0.0018)	ND(0.02)	ND(0.002)	ND(0.0026)	ND(0.011)	ND(19)	ND(0.011)
Chlordane	ND(0.96)	ND(0.2)	ND(0.018)	ND(0.2)	ND(0.02)	ND(0.026)	ND(0.11)	ND(190)	ND(0.11)
4,4'-DDD	ND(0.096)	ND(0.02)	ND(0.0018)	ND(0.02)	ND(0.002)	ND(0.0026)	ND(0.021)	ND(37)	ND(0.022)
4,4'-DDE	ND(0.096)	0.014 J	ND(0.0018)	0.019 J	ND(0.002)	ND(0.0026)	ND(0.021)	ND(370)	ND(0.022)
4,4'-DDT	0.62	0.082	ND(0.0018)	0.03	ND(0.002)	ND(0.0026)	ND(0.021)	ND(37)	ND(0.022)
Dieldrin	ND(0.096)	ND(0.02)	ND(0.0018)	ND(0.02)	ND(0.002)	ND(0.0026)	ND(0.021)	ND(37)	ND(0.022)
Endosulfan I	0.065 J	ND(0.02)	ND(0.0018)	ND(0.02)	ND(0.002)	ND(0.0026)	ND(0.011)	ND(190)	0.059D
Endosulfan II	ND(0.096)	ND(0.02)	ND(0.0018)	ND(0.02)	ND(0.002)	ND(0.0026)	ND(0.021)	ND(37)	ND(0.022)
Endosulfan Sulfate	ND(0.096)	ND(0.02)	ND(0.0018)	ND(0.02)	ND(0.002)	ND(0.0026)	ND(0.021)	ND(37)	ND(0.022)
Endrin	ND(0.096)	ND(0.02)	ND(0.0018)	ND(0.02)	ND(0.002)	ND(0.0026)	ND(0.021)	ND(37)	ND(0.022)
Endrin Aldehyde	ND(0.096)	0.019 J	ND(0.0018)	0.016 J	ND(0.002)	ND(0.0026)	ND(0.021)	ND(37)	ND(0.022)
Heptachlor	ND(0.096)	ND(0.02)	ND(0.0018)	ND(0.02)	ND(0.002)	ND(0.0026)	ND(0.011)	ND(19)	ND(0.011)
Heptachlor Epoxide	0.15	ND(0.02)	ND(0.0018)	ND(0.02)	ND(0.002)	ND(0.0026)	ND(0.011)	ND(19)	ND(0.011)
Kepone	ND(1.8)	ND(0.37)	ND(0.035)	ND(0.37)	ND(0.038)	ND(0.049)	ND(0.021)	ND(37)	ND(0.022)
Methoxychlor	ND(0.19)	ND(0.039)	ND(0.0037)	ND(0.039)	ND(0.004)	ND(0.0052)	ND(0.11)	ND(190)	ND(0.11)
Toxaphene	ND(3.8)	ND(0.78)	ND(0.073)	ND(0.78)	ND(0.079)	ND(0.1)	ND(0.21)	ND(370)	ND(0.22)
Dinoseb	ND(0.37)	ND(0.38)	ND(0.36)	ND(0.38)	ND(0.39)	ND(0.5)	ND(4.4)	ND(3.9)	ND(4.7)

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TABLE 4-2
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GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF SOIL APPENDIX IX+3 PESTICIDES/HERBICIDES DATA
(Results Presented in Dry-Weight Parts Per Million, ppm)

Location ID: Depth (ft):	LS-10 (10-12)	LS-11 (10-12)	LS-26 (10-12)	LS-27 (2-4)	LS-28 (10-12)	LS-29 (10-12)	LS-30 (14-16)	LS-31 (18-20)	LS-32* (2-4)
Date:	09-10/90	09-10/90	08/10/95	08/11/95	08/14/95	08/08/95	08/14/95	08/15/95	10/12/94
Aldrin	ND(0.0088)	170DJ	ND(0.0021)	ND(0.019)	ND(0.0017)	ND(0.0019)	ND(3.4)	ND(0.52)	
Alpha-BHC	ND(0.0088)	ND(24)	ND(0.0021)	ND(0.019)	ND(0.0017)	ND(0.0019)	ND(3.4)	ND(0.52)	ND
Beta-BHC	ND(0.0088)	ND(24)	ND(0.0021)	ND(0.019)	0.0017	0.001J	ND(3.4)	ND(0.52)	
Delta-BHC	ND(0.0088)	ND(24)	ND(0.0021)	ND(0.019)	ND(0.0017)	ND(0.0019)	ND(3.4)	ND(0.52)	ND
Lindane	ND(0.0088)	ND(24)	ND(0.0021)	ND(0.019)	ND(0.0017)	ND(0.0019)	ND(3.4)	0.48 J	ND
Chlordane	ND(0.088)	ND(240)	ND(0.021)	ND(0.19)	ND(0.017)	ND(0.019)	ND(34)	ND(5.2)	
4,4'-DDD	ND(0.018)	ND(48)	ND(0.0021)	ND(0.019)	0.00094	ND(0.0019)	ND(3.4)	0.44 J	ND
4,4'-DDE	ND(0.018)	ND(48)	ND(0.0021)	ND(0.019)	0.0041	0.0012 J	26	4.1	
4,4'-DDT	ND(0.018)	ND(48)	ND(0.0021)	0.06	0.003	ND(0.0019)	12	2.8	
Dieldrin	ND(0.018)	ND(48)	ND(0.0021)	0.056	ND(0.0017)	ND(0.0019)	ND(3.4)	ND(0.52)	
Endosulfan I	ND(0.0088)	ND(24)	ND(0.0021)	0.024	ND(0.0017)	ND(0.0019)	ND(3.4)	ND(0.52)	
Endosulfan II	ND(0.018)	ND(48)	ND(0.0021)	0.029	ND(0.0017)	ND(0.0019)	ND(3.4)	ND(0.52)	
Endosulfan Sulfate	ND(0.018)	ND(48)	ND(0.0021)	ND(0.019)	ND(0.0017)	ND(0.0019)	ND(3.4)	ND(0.52)	
Endrin	ND(0.018)	ND(48)	ND(0.0021)	ND(0.019)	ND(0.0017)	ND(0.0019)	3.4	0.72	
Endrin Aldehyde	ND(0.018)	ND(48)	ND(0.0021)	ND(0.019)	0.012	ND(0.0019)	11	1.9	
Heptachlor	ND(0.0088)	ND(24)	ND(0.0021)	ND(0.019)	ND(0.0017)	ND(0.0019)	ND(3.4)	0.91	ND
Heptachlor Epoxide	ND(0.0088)	ND(24)	ND(0.0021)	0.015 J	0.0012	ND(0.0019)	10.9	2.2	
Kepone	ND(0.018)	ND(48)	ND(0.040)	ND(0.35)	ND(0.032)	ND(0.035)	ND(64)	ND(9.7)	
Methoxychlor	ND(0.088)	ND(240)	ND(0.0043)	ND(0.038)	ND(0.0034)	ND(0.0037)	ND(6.8)	ND(1.0)	
Toxaphene	ND(0.18)	ND(480)	ND(0.084)	ND(0.74)	ND(0.067)	ND(0.074)	ND(134)	ND(20)	
Dinoseb	ND(2.2)	ND(10)	ND(0.41)	ND(2.2)	ND(0.37)	ND(0.36)	ND(0.39)	ND(8.0)	0.055JP

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TABLE 4-2
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GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF SOIL APPENDIX IX+3 PESTICIDES/HERBICIDES DATA
(Results Presented in Dry-Weight Parts Per Million, ppm)

Location ID: Depth (ft):	LS-33* (16-18)	LS-34 (22-24)	LS-35 (12-14)	LS-36 (16-18)	LS-37 (6-8)	LS-38 (16-18)	LS-39 (10-12)	LS-40 (10-12)	LS-42 (20-22)
Date:	10/12/94	12/14/95	08/15/95	08/07/95	08/08/95	08/14/95	08/10/95	08/10/95	04/23/96
Aldrin		ND(10)	ND(4.1)	ND(0.0022)	ND(0.0018)	ND(0.0017)	ND(0.0021)	ND(0.0021)	ND(0.0018)
Alpha-BHC	0.0021	ND(10)	ND(4.1)	ND(0.0022)	ND(0.0018)	ND(0.0017)	ND(0.0021)	ND(0.0021)	ND(0.0018)
Beta-BHC		ND(10)	ND(4.1)	ND(0.0022)	ND(0.0018)	ND(0.0017)	ND(0.0021)	ND(0.0021)	ND(0.0018)
Delta-BHC	0.00059JP	ND(10)	ND(4.1)	ND(0.0022)	ND(0.0018)	ND(0.0017)	ND(0.0021)	ND(0.0021)	ND(0.0018)
Lindane	0.0041P	ND(10)	ND(4.1)	ND(0.0022)	ND(0.0018)	ND(0.0017)	ND(0.0021)	ND(0.0021)	ND(0.0018)
Chlordane		ND(100)	ND(41)	ND(0.022)	ND(0.018)	ND(0.017)	ND(0.021)	ND(0.021)	ND(0.0018)
4,4'-DDD	0.015P	ND(10)	ND(4.1)	ND(0.0022)	ND(0.0018)	ND(0.0017)	ND(0.0021)	ND(0.0021)	ND(0.0036)
4,4'-DDE		46	ND(4.1)	ND(0.0022)	ND(0.0018)	ND(0.0017)	ND(0.0021)	ND(0.0021)	ND(0.0036)
4,4'-DDT		22	7.6	0.0014 J	0.0012 J	ND(0.0017)	ND(0.0021)	ND(0.0021)	ND(0.0036)
Dieldrin		ND(10)	ND(4.1)	0.0016 J	0.002	ND(0.0017)	ND(0.0021)	ND(0.0021)	ND(0.0036)
Endosulfan I		ND(10)	ND(4.1)	ND(0.0022)	ND(0.0018)	ND(0.0017)	ND(0.0021)	ND(0.0021)	ND(0.0018)
Endosulfan II		ND(10)	ND(4.1)	ND(0.0022)	ND(0.0018)	ND(0.0017)	ND(0.0021)	ND(0.0021)	ND(0.0036)
Endosulfan Sulfate		ND(10)	ND(4.1)	ND(0.0022)	ND(0.0018)	ND(0.0017)	ND(0.0021)	ND(0.0021)	ND(0.0036)
Endrin		ND(10)	ND(4.1)	0.0026	0.0036	ND(0.0017)	ND(0.0021)	ND(0.0021)	ND(0.0036)
Endrin Aldehyde		15	ND(4.1)	ND(0.0022)	ND(0.0018)	ND(0.0017)	ND(0.0021)	ND(0.0021)	ND(0.0036)
Heptachlor	0.0066P	ND(10)	ND(4.1)	ND(0.0022)	ND(0.0018)	ND(0.0017)	ND(0.0021)	ND(0.0021)	ND(0.0018)
Heptachlor Epoxide		ND(10)	15	ND(0.0022)	ND(0.0018)	ND(0.0017)	ND(0.0021)	ND(0.0021)	ND(0.0018)
Kepone		ND(190)	ND(77)	ND(0.042)	ND(0.035)	ND(0.032)	ND(0.039)	ND(0.039)	ND(0.036)
Methoxychlor		ND(19)	ND(8.2)	ND(0.0044)	ND(0.0037)	ND(0.0034)	ND(0.0041)	ND(0.0041)	ND(0.018)
Toxaphene		ND(400)	ND(160)	ND(0.087)	ND(0.073)	ND(0.067)	ND(0.081)	ND(0.081)	ND(0.036)
Dinoseb		ND(29)	ND(2.0)	ND(0.39)	ND(0.36)	ND(0.48)	ND(0.4)	ND(0.4)	ND(0.37)

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TABLE 4-2
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GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF SOIL APPENDIX IX+3 PESTICIDES/HERBICIDES DATA
(Results Presented in Dry-Weight Parts Per Million, ppm)

Location ID: Depth (ft):	LS-43 (22-24)	LS-44 (22-24)	LS-45 (10-12)	LS-SOIL (SURFACE)	LS-C-11 (0-0.5)	LS-C-12 (0-0.5)	LS-C-13 (0-0.5)	LS-C-18 (0-0.5)	LS-GWP-33 (0-0.5)
Date:	04/24/96	04/24/96	04/25/96	09-10/90	08/30/95	08/30/95	08/30/95	08/30/95	08/30/95
Aldrin	ND(0.038)	ND(0.002)	ND(0.0022)	ND(3.0)	ND(0.086)	ND(0.017)	ND(0.37)	ND(0.0017)	ND(0.35)
Alpha-BHC	ND(0.038)	ND(0.002)	ND(0.0022)	ND(0.4)	ND(0.086)	ND(0.017)	ND(0.37)	ND(0.0017)	ND(0.35)
Beta-BHC	ND(0.038)	ND(0.002)	ND(0.0022)	3.0**	ND(0.086)	0.011 J	0.31 J	ND(0.0017)	ND(0.35)
Delta-BHC	ND(0.038)	ND(0.002)	ND(0.0022)	ND(0.4)	ND(0.086)	ND(0.017)	ND(0.37)	ND(0.0017)	ND(0.35)
Lindane	ND(0.038)	ND(0.002)	ND(0.0022)	ND(0.4)	ND(0.086)	ND(0.017)	ND(0.37)	ND(0.0017)	ND(0.35)
Chlordane	ND(0.038)	ND(0.002)	ND(0.0022)	ND(0.8)	ND(0.86)	ND(0.17)	ND(3.7)	ND(0.017)	ND(3.5)
4,4'-DDD	0.15	ND(0.0041)	ND(0.0043)	ND(1.0)**	ND(0.086)	ND(0.017)	ND(0.37)	ND(0.0017)	ND(0.35)
4,4'-DDE	0.35	ND(0.0041)	ND(0.0043)	ND(0.4)	ND(0.086)	0.018	0.75	ND(0.0017)	0.18 J
4,4'-DDT	ND(0.075)	ND(0.0041)	ND(0.0043)	ND(2.0)**	ND(0.086)	ND(0.017)	0.63	ND(0.0017)	ND(0.35)
Dieldrin	0.096	ND(0.0041)	ND(0.0043)	ND(0.4)	0.095	ND(0.017)	ND(0.37)	ND(0.0017)	ND(0.35)
Endosulfan I	ND(0.038)	ND(0.002)	ND(0.0022)	ND(0.4)	ND(0.086)	ND(0.017)	ND(0.37)	ND(0.0017)	ND(0.35)
Endosulfan II	ND(0.075)	ND(0.0041)	ND(0.0043)	ND(0.9)	0.099	0.013 J	ND(0.37)	ND(0.0017)	ND(0.35)
Endosulfan Sulfate	ND(0.075)	ND(0.0041)	ND(0.0043)	ND(0.5)	ND(0.086)	ND(0.017)	ND(0.37)	ND(0.0017)	ND(0.35)
Endrin	ND(0.075)	ND(0.0041)	ND(0.0043)	ND(2.0)**	ND(0.086)	ND(0.017)	ND(0.37)	ND(0.0017)	ND(0.35)
Endrin Aldehyde	ND(0.075)	ND(0.0041)	ND(0.0043)	ND(0.8)	ND(0.086)	ND(0.017)	ND(0.37)	0.0032	ND(0.35)
Heptachlor	ND(0.038)	ND(0.002)	ND(0.0022)	ND(2.0)**	ND(0.086)	ND(0.017)	ND(0.37)	ND(0.0017)	ND(0.35)
Heptachlor Epoxide	ND(0.038)	ND(0.002)	ND(0.0022)	ND(0.4)	ND(0.086)	0.012 J	ND(0.37)	ND(0.0017)	ND(0.35)
Kepone	ND(0.75)	ND(0.041)	ND(0.043)	ND(3.0)**	ND(1.6)	ND(0.32)	ND(6.9)	ND(0.032)	ND(6.6)
Methoxychlor	ND(0.38)	ND(0.002)	ND(0.022)	ND(2.0)**	ND(0.17)	ND(0.034)	ND(0.73)	ND(0.0034)	ND(0.7)
Toxaphene	ND(0.75)	ND(0.041)	ND(0.043)	ND(0.8)	ND(3.4)	ND(0.68)	ND(14)	ND(0.068)	ND(14)
Dinoseb	ND(0.39)	ND(0.42)	ND(0.89)	ND(2.4)	ND(1.7)	ND(1.7)	ND(1.4)	ND(0.33)	ND(0.34)

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TABLE 4-2
(Cont'd)

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF SOIL APPENDIX IX+3 PESTICIDES/HERBICIDES DATA
(Results Presented in Dry-Weight Parts Per Million, ppm)

Location ID:	LS-GWP-34							
Depth (ft):	(0-0.5)							
Date:	08/30/95							
Aldrin	ND(0.018) [ND(0.018)]							
Alpha-BHC	ND(0.018) [ND(0.018)]							
Beta-BHC	ND(0.018) [ND(0.018)]							
Delta-BHC	ND(0.018) [ND(0.018)]							
Lindane	ND(0.018) [ND(0.018)]							
Chlordane	ND(0.18) [ND(0.18)]							
4,4'-DDD	ND(0.018) [ND(0.018)]							
4,4'-DDE	0.014 J [0.01 J]							
4,4'-DDT	0.031 [ND(0.018)]							
Dieldrin	0.036 [ND(0.018)]							
Endosulfan I	ND(0.018) [ND(0.018)]							
Endosulfan II	0.017 J [ND(0.018)]							
Endosulfan Sulfate	ND(0.018) [ND(0.018)]							
Endrin	0.073 [ND(0.018)]							
Endrin Aldehyde	ND(0.018) [0.027]							
Heptachlor	ND(0.018) [ND(0.018)]							
Heptachlor Epoxide	ND(0.018) [ND(0.018)]							
Kepone	ND(0.33) [ND(0.33)]							
Methoxychlor	ND(0.035) [ND(0.035)]							
Toxaphene	ND(0.7) [ND(0.7)]							
Dinoseb	ND(0.34) [ND(0.34)]							

NOTES:

1. Samples collected during 9/90 - 10/90 were collected by Geraghty & Miller, Inc., and submitted to IT Analytical Services for pesticide/herbicide analysis.
2. Samples collected during 10/94 were collected by RUST Environment & Infrastructure, Inc., and submitted to CompuChem Environmental Corporation for pesticide/herbicide analysis.
3. Samples collected during 8/95 - 12/95 and 4/96 were collected by Blasland, Bouck & Lee, Inc., and submitted to Quanterra Environmental Services for pesticide/herbicide analysis.
4. NA - Not analyzed.
5. ND(0.32) - Compound was analyzed for, but not detected. The number in parenthesis is the detection limit.
6. [ ] - Field duplicate analysis.
7. ** - Higher detection limit due to interference.
8. D - Analysis was performed at a secondary dilution factor.
9. J - Indicates an estimated value less than the CLP - required quantitation limit.
10. P - Pesticide analyte is greater than 25 percent difference for the detected concentration between the two GC columns. The lower of the two values is reported.
11. * - Sample analytical results presented in November 29, 1994 letter report from RUST Environment & Infrastructure to Mr. John D. Ciampa presents compounds with concentrations above laboratory detection limits only. Data is not currently available for remaining compounds.

TABLE 4-3

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF SOIL APPENDIX IX+3 VOLATILES DATA
(Results Presented in Dry-Weight Parts Per Million, ppm)

Location ID:	E-1	E-1	E-2	E-2	E-2	E-2	E-3	E-4	E-5
Depth (ft):	(10-12)	(20-22)	(8-10)	(14-16)	(16-18)	(18-20)	(0-2)	(0-2)	(6-8)
Date:	4/91	4/91	4/91	4/91	4/91	4/91	08/09/95	08/09/95	08/10/95
Acetone	0.053B	0.050B	0.023B	0.019B	0.020B	0.024B	0.011 J	0.015	0.015
Acetonitrile	--	--	--	--	--	--	ND(0.23)	ND(0.24)	ND(0.2)
Benzene	ND(0.006)	ND(0.013)	ND(0.008)	ND(0.008)	ND(0.005)	ND(0.006)	ND(0.006)	ND(0.006)	ND(0.005)
1,2-Dichloroethene	ND(0.006)	ND(0.013)	ND(0.008)	ND(0.006)	ND(0.005)	ND(0.006)	ND(0.006)	ND(0.006)	ND(0.005)
Carbon Disulfide	ND(0.006)	ND(0.013)	ND(0.008)	ND(0.006)	ND(0.005)	ND(0.006)	ND(0.006)	ND(0.006)	ND(0.005)
Chlorobenzene	ND(0.006)	ND(0.013)	ND(0.008)	ND(0.006)	ND(0.005)	ND(0.006)	ND(0.006)	ND(0.006)	ND(0.005)
Chloroform	ND(0.006)	ND(0.013)	ND(0.008)	ND(0.006)	ND(0.005)	ND(0.006)	ND(0.006)	ND(0.006)	ND(0.005)
2-Chloroethylvinylether	ND(0.013)	--	ND(0.015)	ND(0.011)	ND0.01)	ND(0.012)	ND(0.011)	ND(0.012)	ND(0.01)
Carbon Tetrachloride	ND(0.006)	ND(0.013)	ND(0.008)	ND(0.006)	ND(0.005)	ND(0.006)	ND(0.006)	ND(0.006)	ND(0.005)
Ethylbenzene	ND(0.006)	ND(0.013)	ND(0.008)	ND(0.006)	ND(0.005)	ND(0.006)	ND(0.006)	ND(0.006)	ND(0.005)
Methylene Chloride	0.061B	0.047B	0.056B	0.025B	0.026B	0.028B	ND(0.006)	ND(0.006)	ND(0.005)
Methyl Ethyl Ketone	ND0.013)	ND(0.013)	ND(0.015)	ND(0.011)	ND(0.01)	ND(0.012)	ND(0.011)	ND(0.012)	ND(0.01)
4-Methyl-2-Pentanone	ND(0.019)	ND(0.013)	ND(0.023)	ND(0.017)	ND(0.015)	ND(0.019)	ND(0.011)	ND(0.012)	ND(0.01)
Trichloroethene	ND0.006)	ND(0.013)	ND(0.008)	ND(0.006)	ND(0.005)	ND(0.006)	ND(0.006)	ND(0.006)	ND(0.005)
Toluene	ND(0.006)	ND(0.013)	ND(0.008)	ND(0.006)	ND(0.005)	ND(0.006)	0.0030 J	ND(0.006)	0.002 J
Tetrachloroethene	ND(0.006)	ND0.013)	ND(0.008)	ND(0.006)	ND(0.005)	ND(0.006)	ND(0.006)	ND(0.006)	ND(0.005)
1,1,2,2-Tetrachloroethane	ND(0.013)	ND(0.013)	ND(0.015)	ND(0.011)	ND(0.01)	ND(0.012)	ND(0.006)	ND(0.006)	ND(0.005)
Vinyl Chloride	ND0.013)	ND(0.013)	ND(0.015)	ND(0.011)	ND(0.01)	ND(0.012)	ND(0.006)	ND(0.006)	ND(0.005)
Xylene(total)	ND(0.006)	ND(0.013)	ND(0.008)	ND(0.006)	ND(0.005)	ND(0.006)	ND(0.006)	ND(0.006)	ND(0.005)

Location ID:	E-6	E-7	E-8	LS-2	LS-2	LS-2RE	LS-2	LS-2	LS-4
Depth (ft):	(0-2)	(4-6)	(18-20)	(0-4)	(4-8)	(4-8)	(8-12)	(18-22)	(0-6)
Date:	08/16/95	08/07/95	08/09/95	8/89	8/89	8/89	8/89	8/89	8/89
Acetone	0.018 B	0.012	0.035	--	--	--	--	--	--
Acetonitrile	ND(0.24)	ND(0.22)	ND(0.31)	--	--	--	--	--	--
Benzene	ND(0.006)	ND(0.000)	ND(0.008)	ND(0.005)	ND(0.005)	ND(0.005)	0.019	ND(0.005)	ND(0.005)
1,2-Dichloroethene	ND(0.006)	ND(0.006)	ND(0.008)	--	--	--	--	--	--
Carbon Disulfide	ND(0.006)	ND(0.006)	ND(0.008)	--	--	--	--	--	--
Chlorobenzene	ND(0.006)	ND(0.006)	ND(0.008)	ND(0.005)	ND(0.005)	0.002J	34D	0.031	ND(0.005)
Chloroform	ND(0.006)	ND(0.006)	ND(0.008)	ND(0.005)	ND(0.005)	ND(0.005)	0.026	ND(0.005)	ND(0.005)
2-Chloroethylvinylether	ND(0.012)	ND(0.011)	ND(0.015)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Carbon Tetrachloride	ND(0.006)	ND(0.006)	ND(0.008)	ND(0.005)	ND(0.005)	ND(0.005)	4.6D	ND(0.005)	ND(0.005)
Ethylbenzene	ND(0.006)	ND(0.006)	ND(0.008)	ND(0.005)	ND(0.005)	ND(0.005)	0.23E	0.005J	ND(0.005)
Methylene Chloride	ND(0.006)	ND(0.006)	ND(0.008)	0.009	0.008	0.006	0.010	0.004J	0.009
Methyl Ethyl Ketone	ND(0.012)	ND(0.011)	0.010 J	--	--	--	--	--	--
4-Methyl-2-Pentanone	ND(0.012)	ND(0.011)	ND(0.015)	--	--	--	--	--	--
Trichloroethene	ND(0.006)	ND(0.006)	ND(0.008)	0.005	0.013	0.014	0.38E	ND(0.005)	ND(0.005)
Toluene	ND(0.006)	ND(0.006)	0.016	0.004J	0.005	0.004J	0.26E	0.002J	0.001J
Tetrachloroethene	ND(0.006)	ND(0.006)	ND(0.008)	ND(0.005)	0.002J	0.002J	0.004J	ND(0.005)	ND(0.005)
1,1,2,2-Tetrachloroethane	ND(0.006)	ND(0.006)	ND(0.008)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Vinyl Chloride	ND(0.006)	ND(0.006)	ND(0.008)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Xylene(total)	ND(0.006)	ND(0.006)	ND(0.008)	--	--	--	--	--	--

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TABLE 4-3
(Cont'd)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF SOIL APPENDIX IX+3 VOLATILES DATA
(Results Presented in Dry-Weight Parts Per Million, ppm)

Location ID:	LS-4	LS-4	LS-4	LS-7	LS-8	LS-8	LS-8	LS-9	LS-9RE
Depth (ft):	(6-12)	(12-18)	(18-22)	(14-16)	(16-18)	(20-22)	(22-24)	(14-16)	(14-16)
Date:	8/89	8/89	8/89	09-10/90	09-10/90	09-10/90	09-10/90	09-10/90	09-10/90
Acetone	--	--	--	0.01J	ND (1.5)	--	--	0.79J	ND(1.8)
Acetonitrile	--	--	--	0.044J	ND(15)	--	--	ND(18)	ND(18)
Benzene	0.004J	ND(0.62)	ND(0.025)	ND(0.007)	ND(0.74)	ND(2.5)	ND(0.005)	ND(0.74)	ND(0.74)
1,2-Dichloroethene	--	--	--	--	--	--	--	--	--
Carbon Disulfide	--	--	--	ND(0.007)	ND(0.74)	--	--	ND(0.74)	ND(0.74)
Chlorobenzene	12D	5.3	0.011J	ND(0.007)	8.6	3.3	ND(0.005)	1.0	1.3
Chloroform	ND(0.005)	ND(0.62)	ND(0.025)	0.001J	ND(0.74)	ND(2.5)	ND(0.005)	0.26J	ND(0.74)
2-Chloroethylvinylether	ND(0.01)	ND(1.2)	ND(0.05)	ND(0.013)	1.5	ND(5.0)	ND(0.01)	1.5	1.5
Carbon Tetrachloride	ND(0.005)	1.0	0.045	ND(0.007)	ND(0.74)	ND(2.5)	ND(0.005)	ND(0.74)	ND(0.74)
Ethylbenzene	ND(0.005)	ND(0.62)	ND(0.025)	ND(0.007)	0.44J	28	0.08	2.4	3.9
Methylene Chloride	0.014	0.33J	0.034	0.001J	ND(0.74)	0.88J	0.002J	0.42BJ	0.2J
Methyl Ethyl Ketone	--	--	--	ND(0.013)	ND(1.5)	--	--	ND(1.8)	ND(1.8)
4-Methyl-2-Pentanone	--	--	--	0.032	ND(1.5)	--	--	ND(1.8)	ND(1.8)
Trichloroethene	ND(0.005)	ND(0.62)	ND(0.025)	ND(0.007)	ND(0.74)	ND(2.5)	ND(0.005)	ND(0.74)	ND(0.74)
Toluene	0.033	0.26J	0.008J	0.005J	ND(0.74)	1.1J	0.003J	ND(0.74)	ND(0.74)
Tetrachloroethene	0.002J	ND(0.62)	ND(0.025)	ND(0.007)	ND(0.74)	ND(2.5)	ND(0.005)	ND(0.74)	ND(0.74)
1,1,2,2-Tetrachloroethane	ND(0.005)	ND(0.62)	ND(0.025)	ND(0.007)	ND(0.74)	ND(2.5)	ND(0.005)	ND(0.74)	ND(0.74)
Vinyl Chloride	ND(0.01)	ND(1.2)	ND(0.05)	ND(0.013)	ND(1.5)	ND(5.0)	ND(0.01)	ND(1.8)	ND(1.8)
Xylene(total)	--	--	--	ND(0.007)	7.7	--	--	2.2	3.1

Location ID:	LS-9	LS-10	LS-11	LS-11	LS-11	LS-11	LS-11	LS-12	LS-26
Depth (ft):	(16-18)	(10-12)	(8-10)	(10-12)	(12-14)	(14-16)	(16-18)	(20-22)	(10-12)
Date:	09-10/90	09-10/90	09-10/90	09-10/90	09-10/90	09-10/90	09-10/90	09-10/90	08/10/95
Acetone	--	0.01BJ	--	ND(1.9)	--	--	--	--	0.023
Acetonitrile	--	ND(0.11)	--	ND(19)	--	--	--	--	ND(0.24)
Benzene	0.024J	ND(0.005)	ND(0.63)	ND(0.95)	ND(0.63)	ND(0.63)	ND(0.005)	ND(0.025)	ND(0.006)
1,2-Dichloroethene	--	--	--	--	--	--	--	--	ND(.006)
Carbon Disulfide	--	ND(0.005)	--	ND(0.95)	--	--	--	--	ND(0.006)
Chlorobenzene	0.19	ND(0.005)	23	37D	13	11	0.051	ND(0.025)	ND(0.006)
Chloroform	ND(0.025)	0.001BJ	ND(0.63)	ND(0.95)	ND(0.63)	ND(0.63)	ND(0.005)	0.025BJ	ND(0.006)
2-Chloroethylvinylether	ND(0.05)	ND(0.011)	ND(1.3)	ND(1.9)	ND(1.3)	ND(1.3)	ND(0.01)	ND(0.05)	ND(0.012)
Carbon Tetrachloride	ND(0.025)	ND(0.005)	ND(0.63)	ND(0.95)	ND(0.63)	ND(0.63)	ND(0.005)	0.31	ND(0.006)
Ethylbenzene	0.63	ND(0.005)	ND(0.63)	ND(0.95)	0.23J	0.14J	ND(0.005)	ND(0.25)	ND(0.006)
Methylene Chloride	ND(0.025)	0.004BJ	ND(0.63)	0.25J	0.23J	0.30J	0.004J	0.016BJ	ND(0.006)
Methyl Ethyl Ketone	--	ND(0.011)	--	ND(1.9)	--	--	--	--	ND(0.012)
4-Methyl-2-Pentanone	--	ND(0.011)	--	ND(1.9)	--	--	--	--	ND(0.012)
Trichloroethene	ND(0.025)	ND(0.005)	2.2	0.78J	0.61J	3.5	0.009	0.4	ND(0.006)
Toluene	ND(0.025)	ND(0.005)	ND(0.63)	ND(0.95)	ND(0.63)	ND(0.63)	ND(0.005)	0.018J	ND(0.006)
Tetrachloroethene	ND(0.025)	ND(0.005)	ND(0.63)	ND(0.95)	ND(0.63)	ND(0.63)	ND(0.005)	0.2	ND(0.006)
1,1,2,2-Tetrachloroethane	ND(0.025)	ND(0.005)	ND(0.63)	ND(0.95)	ND(0.63)	ND(0.63)	ND(0.005)	ND(0.025)	ND(0.006)
Vinyl Chloride	ND(0.05)	ND(0.011)	ND(1.3)	ND(1.9)	ND(1.3)	ND(1.3)	ND(0.01)	ND(0.05)	ND(0.006)
Xylene(total)	--	ND(0.005)	--	0.91J	--	--	--	--	ND(0.006)

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TABLE 4-3
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GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF SOIL APPENDIX IX+3 VOLATILES DATA
(Results Presented in Dry-Weight Parts Per Million, ppm)

Location ID: Depth (ft): Date:	LS-27 (2-4) 08/11/95	LS-28 (10-12) 08/14/95	LS-29 (10-12) 08/08/95	LS-30 (14-16) 08/14/95	LS-30RE (14-16) 08/14/95	LS-31 (18-20) 08/15/95	LS-32* (2-4) 10/12/94	LS-32* (6-8) 10/12/94	LS-32* (10-12) 10/12/94
Acetone	0.011 J	0.015 B	0.031	ND(1.5)	ND(1.5)	0.053 BJ			
Acetonitrile	ND(0.23)	ND(0.21)	ND(0.22)	ND(29)	ND(29)	ND(1.1)			
Benzene	ND(0.006)	ND(0.005)	ND(0.006)	0.49 J	0.41 J	0.028	ND	ND	0.007J
1,2-Dichloroethene	ND(0.006)	ND(0.005)	ND(0.006)	0.22 J	0.18 J	ND(0.028)	0.002J	ND	ND
Carbon Disulfide	ND(0.006)	ND(0.005)	ND(0.006)	ND(0.74)	ND(0.74)	0.017 J			
Chlorobenzene	ND(0.006)	ND(0.005)	ND(0.006)	29	28	0.6	0.002J	0.071J	0.21
Chloroform	0.0050 J	ND(0.005)	ND(0.006)	ND(0.74)	ND(0.74)	0.26			
2-Chloroethylvinylether	ND(0.011)	ND(0.011)	ND(0.011)	ND(1.5)	ND(1.5)	ND(0.055)			
Carbon Tetrachloride	ND(0.006)	ND(0.005)	ND(0.006)	ND(0.74)	ND(0.74)	0.027 J			
Ethylbenzene	ND(0.006)	ND(0.005)	ND(0.006)	1.6	1.4	ND(0.028)	ND	0.014J	ND
Methylene Chloride	ND(0.006)	ND(0.005)	ND(0.006)	ND(0.74)	ND(0.74)	ND(0.028)			
Methyl Ethyl Ketone	ND(0.011)	ND(0.011)	ND(0.011)	ND(1.5)	0.7 J	ND(0.055)			
4-Methyl-2-Pentanone	ND(0.011)	ND(0.011)	ND(0.011)	ND(1.5)	ND(1.5)	ND(0.055)			
Trichloroethene	0.18	ND(0.005)	ND(0.006)	ND(0.74)	ND(0.74)	0.014 J	9.8D	3.0D	0.11
Toluene	0.0010 J	ND(0.005)	0.0020 J	0.82	0.77	ND(0.028)			
Tetrachloroethene	ND(0.006)	ND(0.005)	ND(0.006)	ND(0.74)	ND(0.74)	ND(0.028)	0.001J	ND	ND
1,1,2,2-Tetrachloroethane	ND(0.006)	ND(0.005)	ND(0.006)	ND(0.74)	ND(0.74)	ND(0.028)			
Vinyl Chloride	ND(0.006)	ND(0.000)	ND(0.006)	ND(0.74)	ND(0.74)	ND(0.028)			
Xylene(total)	ND(0.006)	ND(0.005)	ND(0.006)	20	17	0.54 B	ND	ND	0.002J

Location ID: Depth (ft): Date:	LS-32* (12-14) 10/12/94	LS-32* (14-16) 10/12/94	LS-32* (16-18) 10/12/94	LS-33* (6-8) 10/12/94	LS-33* (14-16) 10/12/94	LS-33* (16-18) 10/12/94	LS-34 (22-24) 12/14/95	LS-35 (12-14) 08/15/95	LS-36 (16-18) 08/07/95
Acetone							ND(0.054)	0.37 BJ	0.027
Acetonitrile							ND(1.1)	ND(30)	ND(0.25)
Benzene	0.007J	0.008J	0.005J	ND	ND	ND	ND(0.027)	ND(0.75)	ND(0.006)
1,2-Dichloroethene	ND	0.002J	ND	ND	ND	ND	ND(0.027)	ND(0.75)	ND(0.006)
Carbon Disulfide							ND(0.027)	ND(0.75)	ND(0.006)
Chlorobenzene	0.29	0.52D	0.11D	ND	3.5	3.5	0.010 J	16	ND(0.006)
Chloroform							0.12	ND(0.75)	0.0020 J
2-Chloroethylvinylether							ND(0.054)	ND(1.5)	ND(0.012)
Carbon Tetrachloride							0.87	ND(0.75)	ND(0.006)
Ethylbenzene	0.002J	0.024	ND	ND	0.2J	0.17	0.030	ND(0.75)	ND(0.006)
Methylene Chloride							ND(0.027)	ND(0.75)	ND(0.006)
Methyl Ethyl Ketone							ND(0.054)	ND(1.5)	ND(0.012)
4-Methyl-2-Pentanone							ND(0.054)	ND(1.5)	ND(0.012)
Trichloroethene	0.016J	0.098D	0.410D	ND	ND	ND	0.69	ND(0.75)	ND(0.006)
Toluene	ND	0.007J	ND	ND	ND	ND	0.009J	ND(0.75)	0.0020J
Tetrachloroethene							0.027	ND(0.75)	ND(0.006)
1,1,2,2-Tetrachloroethane							ND(0.027)	ND(0.75)	ND(0.006)
Vinyl Chloride							ND(0.027)	ND(0.75)	ND(0.006)
Xylene(total)	0.006J	0.1	0.006J	ND	1.1J	1.2J	0.65	ND(0.75)	ND(0.006)

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TABLE 4-3
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GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF SOIL APPENDIX IX+3 VOLATILES DATA
(Results Presented in Dry-Weight Parts Per Million, ppm)

Location ID:	LS-37	LS-38	LS-39	LS-40	LS-42	LS-43	LS-44	LS-45	LS-SOIL
Depth (ft):	(6-8)	(16-18)	(10-12)	(10-12)	(20-22)	(22-24)	(22-24)	(10-12)	(SURFACE)
Date:	08/08/95	08/14/95	08/10/95	08/10/95	04/23/96	04/24/96	04/24/96	04/25/96	09-10/90
Acetone	0.022	0.079 B	0.010 J	0.013	0.009J	ND(1.5)	0.04	0.053	ND(0.01)
Acetonitrile	ND(0.22)	ND(1.2)	ND(0.23)	ND(0.23)	ND(0.23)	ND(29)	ND(0.26)	ND(0.27)	ND(0.1)
Benzene	ND(0.005)	0.1	ND(0.006)	ND(0.006)	ND(0.006)	ND(0.74)	ND(0.006)	ND(0.007)	ND(0.005)
1,2-Dichloroethene	ND(0.005)	0.019 J	ND(0.006)	ND(0.006)	ND(0.006)	ND(0.74)	ND(0.006)	ND(0.007)	ND(0.005)
Carbon Disulfide	ND(0.005)	ND(0.03)	ND(0.006)	ND(0.006)	ND(0.006)	ND(0.74)	ND(0.006)	ND(0.007)	ND(0.005)
Chlorobenzene	ND(0.005)	0.95	ND(0.006)	ND(0.006)	ND(0.006)	ND(0.74)	ND(0.006)	ND(0.007)	0.021
Chloroform	ND(0.005)	ND(0.03)	ND(0.006)	ND(0.006)	ND(0.006)	6.6	ND(0.006)	ND(0.007)	ND(0.005)
2-Chloroethylvinylether	ND(0.011)	ND(0.06)	ND(0.012)	ND(0.011)	ND(0.011)	ND(1.5)	ND(0.013)	ND(0.014)	ND(0.01)
Carbon Tetrachloride	ND(0.005)	ND(0.03)	ND(0.006)	ND(0.006)	ND(0.006)	2.7	ND(0.006)	ND(0.007)	ND(0.005)
Ethylbenzene	ND(0.005)	0.023 J	ND(0.006)	ND(0.006)	ND(0.006)	ND(0.74)	ND(0.006)	0.036	ND(0.005)
Methylene Chloride	ND(0.005)	ND(0.03)	ND(0.006)	ND(0.006)	ND(0.006)	ND(0.74)	ND(0.006)	ND(0.007)	0.009
Methyl Ethyl Ketone	ND(0.011)	ND(0.06)	ND(0.012)	0.0010 J	ND(0.011)	ND(1.5)	ND(0.013)	ND(0.014)	ND(0.01)
4-Methyl-2-Pentanone	ND(0.011)	ND(0.06)	ND(0.012)	ND(0.011)	ND(0.011)	ND(1.5)	ND(0.013)	ND(0.014)	ND(0.01)
Trichloroethene	ND(0.005)	ND(0.03)	ND(0.006)	ND(0.006)	ND(0.006)	2.3	ND(0.006)	ND(0.007)	ND(0.005)
Toluene	0.0040 J	ND(0.03)	0.0030 J	0.0030 J	ND(0.006)	ND(0.74)	ND(0.006)	ND(0.007)	ND(0.005)
Tetrachloroethene	ND(0.005)	ND(0.03)	ND(0.006)	ND(0.006)	ND(0.006)	0.19J	ND(0.006)	ND(0.007)	ND(0.005)
1,1,2,2-Tetrachloroethane	ND(0.005)	ND(0.03)	ND(0.006)	ND(0.006)	ND(0.006)	ND(0.74)	ND(0.006)	ND(0.007)	0.005
Vinyl Chloride	ND(0.005)	0.011 J	ND(0.006)	ND(0.006)	ND(0.006)	ND(0.74)	ND(0.006)	ND(0.007)	ND(0.01)
Xylene(total)	ND(0.005)	0.13 B	ND(0.006)	ND(0.006)	ND(0.006)	1.7X	ND(0.006)	0.023X	ND(0.005)

Location ID:	LS-C-11	LS-C-12	LS-C-13	LS-C-18	LS-GWP-33	LS-GWP-34	LS-GWP-34 RE	
Depth (ft):	(0-0.5)	(0-0.5)	(0-0.5)	(0-0.5)	(0-0.5)	(0-0.5)	(0-0.5)	
Date:	08/30/95	08/30/95	08/30/95	08/30/95	08/30/95	08/30/95	08/30/95	
Acetone	0.046 B	0.050 B	0.053 B	0.031 B	0.028 B	0.033 B [0.064 B]	0.078 B	
Acetonitrile	ND(0.2)	ND(0.21)	ND(0.23)	ND(0.21)	ND(0.21)	ND(0.2) [ND(0.21)]	ND(0.2)	
Benzene	ND(0.005)	ND(0.005)	ND(0.006)	ND(0.005)	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)	
1,2-Dichloroethene	ND(0.005)	ND(0.005)	ND(0.006)	ND(0.005)	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)	
Carbon Disulfide	ND(0.005)	ND(0.005)	ND(0.006)	ND(0.005)	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)	
Chlorobenzene	ND(0.005)	ND(0.005)	ND(0.006)	ND(0.005)	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)	
Chloroform	ND(0.005)	ND(0.005)	ND(0.006)	ND(0.005)	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)	
2-Chloroethylvinylether	ND(0.01)	ND(0.011)	ND(0.011)	ND(0.01)	ND(0.01)	ND(0.01) [ND(0.011)]	ND(0.01)	
Carbon Tetrachloride	ND(0.005)	ND(0.005)	ND(0.006)	ND(0.005)	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)	
Ethylbenzene	ND(0.005)	ND(0.005)	ND(0.006)	ND(0.005)	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)	
Methylene Chloride	ND(0.005)	ND(0.005)	ND(0.006)	ND(0.005)	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)	
Methyl Ethyl Ketone	ND(0.01)	ND(0.011)	ND(0.011)	ND(0.01)	ND(0.01)	ND(0.01) [ND(0.011)]	ND(0.01)	
4-Methyl-2-Pentanone	ND(0.01)	ND(0.011)	ND(0.011)	ND(0.01)	ND(0.01)	ND(0.01) [ND(0.011)]	ND(0.01)	
Trichloroethene	ND(0.005)	ND(0.005)	ND(0.006)	ND(0.005)	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)	
Toluene	0.0020 J	0.008	0.0010 J	0.002 J	0.012	0.003 J [0.0030 J]	0.002 J	
Tetrachloroethene	ND(0.005)	ND(0.005)	ND(0.006)	ND(0.005)	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)	
1,1,2,2-Tetrachloroethane	ND(0.005)	ND(0.005)	ND(0.006)	ND(0.005)	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)	
Vinyl Chloride	ND(0.005)	ND(0.005)	ND(0.006)	ND(0.005)	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)	
Xylene(total)	ND(0.005)	0.003 J	ND(0.006)	ND(0.005)	0.003 JX	ND(0.005) [0.001 JX]	ND(0.005)	

(See Notes on Page 5 of 5)

TABLE 4-3
(Cont'd)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF SOIL APPENDIX IX+3 VOLATILES DATA
(Results Presented in Dry-Weight Parts Per Million, ppm)

NOTES:

1. Samples collected during 8/89, 9/90 - 10/90 were collected by Geraghty & Miller, Inc., and submitted to IT Analytical Services for VOC analysis.
2. Samples collected during 4/91 were collected by Geraghty & Miller, Inc., and submitted to CompuChem Environmental Services for VOC analysis.
3. Samples collected during 10/94 were collected by Rust Environment & Infrastructure, Inc., and submitted to CompuChem Environmental Services for VOC analysis.
4. Samples collected during 8/95 - 12/95 and 4/96 were collected by Blasland, Bouck & Lee, Inc., and submitted to Quanterra Environmental Services for VOC analysis.
5. -- = Data not reported by laboratory.
6. NA - Not analyzed.
7. ND(0.32) - Compound was analyzed for, but not detected. The number in parenthesis is the detection limit.
8. [ ] - Field duplicate analysis.
9. J - Indicates an estimated value less than the CLP - required quantitation limit.
10. D - Analysis was performed at a secondary dilution factor.
11. B - Indicates the compound was found in the associated blank as well as in the sample.
12. E - Compound exceeded calibration range.
13. X - Data has been manually integrated.
14. RE = Reanalysis
15. * - Sample analytical results presented in November 29, 1994 letter report from RUST Environment & Infrastructure to Mr. John D. Ciampa presents compounds with concentrations above laboratory detection limits only. Data is not currently available for remaining compounds.

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TABLE 4-4

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF SOILS APPENDIX IX+3 SEMIVOLATILES DATA
(Results presented in dry weight parts per million, ppm)

Location ID: Depth (ft):	E-1 (10-12)	E-1 (20-22)	E-2 (8-10)	E-3RE (0-2)	E-4 (0-2)	E-5RE (6-8)	E-6 (0-2)	E-7 (4-6)	E-8RE (18-20)	LS-2 (0-4)	LS-2 (4-8)
Date:	4/91	4/91	4/91	08/09/95	08/09/95	08/10/95	08/16/95	08/07/95	08/09/95	8/89	8/89
Acenaphthene	ND(0.41)	ND(0.44)	ND(0.5)	ND(0.37)	ND(0.38)	ND(0.36)	ND(0.38)	ND(0.39)	ND(0.5)	ND(7.8)	ND(2.0)
Acenaphthylene	ND(0.41)	ND(0.44)	ND(0.5)	1.1	1.2	ND(0.36)	ND(0.38)	ND(0.39)	ND(0.5)	6.1J	0.61J
Acetophenone	ND(0.41)	ND(0.44)	ND(0.5)	ND(0.37)	ND(0.38)	ND(0.36)	ND(0.38)	ND(0.39)	ND(0.5)	--	--
Aniline	ND(0.41)	ND(0.44)	0.12J	3.9	2.4	ND(0.36)	ND(0.38)	ND(0.39)	ND(0.5)	--	--
Anthracene	ND(0.41)	ND(0.44)	ND(0.5)	0.47	0.52	0.077J	0.062 J	ND(0.39)	ND(0.5)	5.3J	0.49J
Benzo(b)Fluoranthene	0.22J	ND(0.44)	0.42J	2.3	3.5	0.23J	0.24 J	ND(0.39)	ND(0.5)	5.3J	0.54J
Butyl Benzyl Phthalate	ND(0.41)	ND(0.44)	ND(0.5)	ND(0.37)	ND(0.38)	ND(0.36)	ND(0.38)	ND(0.39)	ND(0.5)	--	--
Benzo(a)Anthracene	0.082J	ND(0.44)	0.14J	2.2	3.4	0.19J	0.26 J	ND(0.39)	ND(0.5)	8.2	1.2J
Dibenzofuran	ND(0.41)	ND(0.44)	ND(0.5)	ND(0.37)	0.19 J	ND(0.36)	ND(0.38)	ND(0.39)	ND(0.5)	--	--
Benzidine	ND(0.41)	ND(0.44)	ND(0.5)	ND(0.37)	ND(0.38)	ND(0.36)	ND(0.38)	ND(0.39)	ND(0.5)	ND(39)	ND(9.8)
Benzo(ghi)Perylene	ND(0.41)	ND(0.44)	0.17J	1.2	0.83	0.16J	0.18 J	ND(0.39)	ND(0.5)	3.2J	0.33J
Benzo(a)Pyrene	0.083J	0.49	0.21J	3.3	2.5	0.19J	0.24 J	ND(0.39)	0.96	5.0J	0.43J
Benzo(k)Fluoranthene	0.22J	ND(0.44)	0.42J	1.8	2.4	0.17J	0.27 J	ND(0.39)	ND(0.5)	4.4J	0.48J
Di-n-Butyl Phthalate	ND(0.41)	ND(0.44)	ND(0.5)	0.48B	0.48 B	0.28J	0.12 BJ	0.12 BJ	0.28BJ	ND(7.8)	0.66J
Dibenz(a,h)Anthracene	ND(0.41)	ND(0.44)	ND(0.5)	0.38	0.50	ND(0.36)	ND(0.38)	ND(0.39)	ND(0.5)	1.4J	ND(2.0)
Chrysene	0.11J	ND(0.44)	0.2J	2.7	4.3	0.24J	0.37 J	ND(0.39)	ND(0.5)	7.4J	0.85J
1,2,4-Trichlorobenzene	ND(0.41)	ND(0.44)	ND(0.5)	ND(0.37)	ND(0.38)	ND(0.36)	ND(0.38)	ND(0.39)	ND(0.5)	ND(7.8)	0.33J
3,3-Dichlorobenzidine	ND(0.41)	ND(0.44)	ND(0.5)	ND(0.74)	ND(0.77)	ND(0.72)	ND(0.77)	ND(0.78)	ND(1.0)	ND(16)	ND(3.9)
Bis(2-Ethylhexyl)Phthalate	0.16J	0.055J	0.18J	0.14J	ND(0.38)	ND(0.36)	ND(0.38)	ND(0.39)	ND(0.5)	ND(7.8)	0.38J
Ethyl Methanesulfonate	ND(0.41)	ND(0.44)	ND(0.5)	ND(0.37)	ND(0.38)	ND(0.36)	ND(0.38)	ND(0.39)	ND(0.5)	--	--
Fluoranthene	0.11J	ND(0.44)	0.27J	2.6	3.5	0.36	0.53	ND(0.39)	ND(0.5)	17	ND(2.0)
Fluorene	ND(0.41)	ND(0.44)	ND(0.5)	0.13J	0.47	ND(0.36)	ND(0.38)	ND(0.39)	ND(0.5)	2.5J	0.53J
Hexachloroethane	ND(0.41)	ND(0.44)	ND(0.5)	ND(0.37)	ND(0.38)	ND(0.36)	ND(0.38)	ND(0.39)	ND(0.5)	ND(7.8)	ND(2.0)
Indeno(1,2,3-cd)Pyrene	ND(0.41)	ND(0.44)	0.13J	1.1	0.89	0.14J	0.15 J	ND(0.39)	ND(0.5)	2.6J	0.28J
1,3-Dichlorobenzene	ND(0.41)	ND(0.44)	ND(0.5)	ND(0.37)	ND(0.38)	ND(0.36)	ND(0.38)	ND(0.39)	ND(0.5)	ND(7.8)	ND(2.0)
1-Methylnaphthalene	ND(0.41)	ND(0.44)	ND(0.5)	--	--	--	--	--	--	--	--
2-Methylnaphthalene	ND(0.41)	ND(0.44)	ND(0.5)	0.27J	0.16 J	ND(0.36)	ND(0.38)	ND(0.39)	ND(0.5)	--	--
Naphthalene	ND(0.41)	ND(0.44)	ND(0.5)	0.087J	0.068 J	ND(0.36)	ND(0.38)	ND(0.39)	ND(0.5)	ND(7.8)	ND(2.0)
Nitrobenzene	ND(0.41)	ND(0.44)	ND(0.5)	ND(0.37)	ND(0.38)	ND(0.36)	ND(0.38)	ND(0.39)	ND(0.5)	ND(7.8)	ND(2.0)
n-Nitrosodiphenylamine	ND(0.41)	ND(0.44)	ND(0.5)	ND(0.37)	ND(0.38)	ND(0.36)	ND(0.38)	ND(0.39)	ND(0.5)	ND(7.8)	ND(2.0)
5-Nitro-o-toluidine	ND(0.82)	ND(0.88)	ND(0.99)	ND(0.37)	ND(0.38)	ND(0.36)	ND(0.38)	ND(0.39)	ND(0.5)	--	--
Di-n-Octyl Phthalate	ND(0.41)	ND(0.44)	ND(0.5)	ND(0.37)	ND(0.38)	ND(0.36)	ND(0.38)	0.18 J	ND(0.5)	ND(7.8)	ND(2.0)
1,2-Dichlorobenzene	ND(0.41)	ND(0.44)	ND(0.5)	ND(0.37)	ND(0.38)	ND(0.36)	ND(0.38)	ND(0.39)	ND(0.5)	ND(7.8)	ND(2.0)
1,4-Dichlorobenzene	ND(0.41)	ND(0.44)	ND(0.5)	ND(0.37)	ND(0.38)	ND(0.36)	ND(0.38)	ND(0.39)	ND(0.5)	ND(7.8)	ND(2.0)
Phenanthrene	0.058J	ND(0.44)	0.15J	1.2	0.93	0.31J	0.31 J	ND(0.39)	ND(0.5)	21	2.8
Phenol	ND(0.41)	ND(0.44)	0.061J	ND(0.37)	ND(0.38)	ND(0.36)	ND(0.38)	ND(0.39)	ND(0.5)	ND(7.8)	ND(2.0)
Phenols(TOTAL)	ND(0.13)	ND(0.15)	--	--	--	--	--	--	--	--	--
Pyrene	0.11J	ND(0.44)	0.22J	3.6	4.6	0.32J	0.62	ND(0.39)	ND(0.5)	18	ND(2.0)
1,2,4,5-Tetrachlorobenzene	ND(0.41)	ND(0.44)	ND(0.5)	ND(0.37)	ND(0.38)	ND(0.36)	ND(0.38)	ND(0.39)	ND(0.5)	--	--

(See Notes on Page 6 of 6)

TABLE 4-4
(Cont'd)

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF SOILS APPENDIX IX+3 SEMIVOLATILES DATA
(Results presented in dry weight parts per million, ppm)

Location ID: Depth (ft):	LS-2 (8-12)	LS-2 (18-22)	LS-4 (0-6)	LS-4 (6-12)	LS-4 (12-18)	LS-4 (18-22)	LS-7 (14-16)	LS-8 (16-18)	LS-9 (14-16)	LS-10 (10-12)	LS-11 (10-12)
Date:	8/89	8/89	8/89	8/89	8/89	8/89	09-10/90	09-10/90	09-10/90	09-10/90	09-10/90
Acenaphthene	5.8J	ND(0.97)	ND(4.0)	1.1J	1.3J	0.2J	ND(2.2)	3.7	47D	ND(1.1)	ND(4.9)
Acenaphthylene	ND(16)	ND(0.97)	6.4	4.6	1.7J	0.36J	0.35J	0.69J	5.7	ND(1.1)	ND(4.9)
Acetophenone	--	--	--	--	--	--	ND(2.2)	ND(1.9)	ND(2.3)	ND(1.1)	ND(4.9)
Aniline	--	--	--	--	--	--	ND(11)	ND(10)	ND(12)	ND(5.6)	ND(25)
Anthracene	5.8J	ND(0.97)	5.2	5.3	3.4	0.69J	0.25J	ND(1.9)	33	ND(1.1)	ND(4.9)
Benzo(b)Fluoranthene	ND(16)	ND(0.97)	4.9	5.8	1.9J	0.32J	0.44J	1.1J	5.5	ND(1.1)	1.0J
Butyl Benzyl Phthalate	--	--	--	--	--	--	ND(2.2)	ND(1.9)	ND(2.3)	ND(1.1)	ND(4.9)
Benzo(a)Anthracene	ND(16)	ND(0.97)	9.0	10	3.8	0.66J	0.52J	ND(1.9)	17	ND(1.1)	ND(4.9)
Dibenzofuran	--	--	--	--	--	--	ND(2.2)	0.77J	1.9J	ND(1.1)	ND(4.9)
Benzidine	ND(79)	ND(4.9)	ND(20)	ND(19)	ND(14)	ND(4.9)	ND(11)	ND(9.4)	ND(11)	ND(5.2)	ND(24)
Benzo(ghi)Perylene	ND(16)	ND(0.97)	4.3	2.9J	1.2J	0.26J	ND(2.2)	ND(1.9)	4.7	ND(1.1)	ND(4.9)
Benzo(a)Pyrene	ND(16)	ND(0.97)	5.0	4.0	2.4J	0.59J	0.42J	1.3J	13	ND(1.1)	ND(4.9)
Benzo(k)Fluoranthene	ND(16)	ND(0.97)	5.6	4.3	1.6J	0.36J	0.53J	1.1J	10	ND(1.1)	0.62J
Di-n-Butyl Phthalate	ND(16)	ND(0.97)	ND(4.0)	ND(3.9)	ND(2.9)	ND(0.98)	ND(2.2)	ND(1.9)	ND(2.3)	0.13J	ND(4.9)
Dibenz(a,h)Anthracene	ND(16)	ND(0.97)	ND(4.0)	ND(3.9)	ND(2.9)	ND(0.98)	ND(2.2)	ND(1.9)	ND(2.3)	ND(1.1)	ND(4.9)
Chrysene	4.6J	ND(0.97)	7.3	6.8	3.0	ND(0.98)	0.60J	2.4	15	ND(1.1)	ND(4.9)
1,2,4-Trichlorobenzene	300D	ND(0.97)	ND(4.0)	ND(3.9)	1.7J	0.92J	ND(2.2)	0.43J	ND(2.3)	ND(1.1)	89E
3,3-Dichlorobenzidine	ND(32)	ND(1.9)	ND(8.0)	ND(7.8)	ND(5.8)	ND(2.0)	ND(4.4)	ND(3.9)	ND(4.6)	ND(2.2)	ND(9.9)
Bis(2-Ethylhexyl)Phthalate	ND(16)	0.31J	ND(4.0)	0.65J	0.43J	0.12J	0.76J	1.8	1.0J	0.42J	ND(4.9)
Ethyl Methanesulfonate	--	--	--	--	--	--	ND(2.2)	ND(1.9)	ND(2.3)	ND(1.1)	ND(4.9)
Fluoranthene	ND(16)	ND(0.97)	20	18	5.7	1.1	0.93J	ND(1.9)	31	ND(1.1)	ND(4.9)
Fluorene	3.8J	ND(0.97)	2.5J	3.1J	3.2	0.84J	ND(2.2)	2.5	24	ND(1.1)	ND(4.9)
Hexachloroethane	ND(16)	ND(0.97)	ND(4.0)	ND(3.9)	ND(2.9)	ND(0.98)	ND(2.2)	ND(1.9)	ND(2.3)	ND(1.1)	ND(4.9)
Indeno(1,2,3-cd)Pyrene	ND(16)	ND(0.97)	3.3J	2.3J	0.96J	0.19J	0.26J	0.46J	3.9	ND(1.1)	ND(4.9)
1,3-Dichlorobenzene	32	ND(0.97)	ND(4.0)	0.76J	ND(2.9)	ND(0.98)	ND(2.2)	2.8	0.29J	ND(1.1)	ND(4.9)
1-Methylnaphthalene	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	--	--	--	--	--	--	ND(2.2)	8.6	32	ND(1.1)	1.0J
Naphthalene	21	ND(0.97)	ND(4.0)	0.66J	26	5.9	ND(2.2)	3.8	91D	ND(1.1)	0.93J
Nitrobenzene	2.1J	ND(0.97)	ND(4.0)	ND(3.9)	ND(2.9)	ND(0.98)	ND(2.2)	ND(1.9)	ND(2.3)	ND(1.1)	ND(4.9)
n-Nitrosodiphenylamine	ND(16)	ND(0.97)	ND(4.0)	ND(3.9)	ND(2.9)	ND(0.98)	ND(2.2)	ND(1.9)	1.9J	ND(1.1)	ND(4.9)
5-Nitro-o-toluidine	--	--	--	--	--	--	ND(4.4)	ND(3.9)	ND(4.7)	ND(2.2)	ND(10)
Di-n-Octyl Phthalate	ND(16)	ND(0.97)	ND(4.0)	ND(3.9)	ND(2.9)	ND(0.98)	ND(2.2)	ND(1.9)	ND(2.3)	ND(1.1)	ND(4.9)
1,2-Dichlorobenzene	3.7J	ND(0.97)	ND(4.0)	ND(3.9)	ND(2.9)	ND(0.98)	ND(2.2)	ND(1.9)	ND(2.3)	ND(1.1)	1.4J
1,4-Dichlorobenzene	220	ND(0.97)	ND(4.0)	4.0	1.4J	ND(0.98)	ND(2.2)	2.2	ND(2.3)	ND(1.1)	1.3J
Phenanthrene	20	ND(0.97)	23	24	13	3.5	0.94J	15	110D	ND(1.1)	ND(4.9)
Phenol	ND(16)	ND(0.97)	--	--	--	--	ND(2.2)	ND(1.9)	ND(2.3)	ND(1.1)	ND(4.9)
Phenols(TOTAL)	--	--	--	--	--	--	--	--	--	--	--
Pyrene	23	ND(0.97)	18	15	7.6	1.9	1.4J	ND(1.9)	80D	ND(1.1)	ND(4.9)
1,2,4,5-Tetrachlorobenzene	--	--	--	--	--	--	ND(2.2)	ND(1.9)	ND(2.3)	ND(1.1)	1.7J

(See Notes on Page 6 of 6)

TABLE 4-4
(Cont'd)

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF SOILS APPENDIX IX+3 SEMIVOLATILES DATA
(Results presented in dry weight parts per million, ppm)

Location ID: Depth (ft):	LS-26 (10-12)	LS-27 (2-4)	LS-28 (10-12)	LS-29 (10-12)	LS-30 (14-16)	LS-31 (18-20)	LS-32* (2-4)	LS-33* (16-18)	LS-34 (22-24)	LS-35 (12-14)	LS-36 (16-18)
Date:	08/10/95	08/11/95	08/14/95	08/08/95	08/14/95	08/15/95	10/12/94	10/12/94	12/14/95	08/15/95	08/07/95
Acenaphthene	ND(0.41)	ND(2.2)	ND(0.37)	ND(0.36)	ND(0.39)	7.4 J	ND	0.510J	ND(29)	ND(2.0)	ND(0.39)
Acenaphthylene	ND(0.41)	1.9 J	0.065 J	ND(0.36)	ND(0.39)	ND(8.0)			ND(29)	ND(2.0)	ND(0.39)
Acetophenone	ND(0.41)	ND(2.2)	ND(0.37)	ND(0.36)	ND(0.39)	ND(8.0)	ND	0.090J	ND(29)	ND(2.0)	ND(0.39)
Aniline	ND(0.41)	ND(2.2)	ND(0.37)	ND(0.36)	ND(0.39)	ND(8.0)	0.750J	ND	ND(29)	ND(2.0)	ND(0.39)
Anthracene	0.16 J	3.0	0.073 J	0.15 J	ND(0.39)	15	0.430J	0.310J	29	ND(2.0)	ND(0.39)
Benzo(b)Fluoranthene	0.082 J	5.7	0.13 J	0.87	ND(0.39)	7.9 J			ND(29)	ND(2.0)	0.11 J
Butyl Benzyl Phthalate	ND(0.41)	ND(2.2)	ND(0.37)	ND(0.36)	ND(0.39)	ND(8.0)			ND(29)	ND(2.0)	ND(0.39)
Benzo(a)Anthracene	0.12 J	8.8	0.14 J	0.76	ND(0.39)	14	2.50J	0.140J	ND(29)	ND(2.0)	0.14 J
Dibenzofuran	ND(0.41)	0.64 J	ND(0.37)	ND(0.36)	ND(0.39)	9.0	ND	0.083J	ND(29)	ND(2.0)	ND(0.39)
Benzidine	ND(0.41)	ND(2.2)	ND(0.37)	ND(0.36)	ND(0.39)	ND(8.0)			ND(29)	ND(2.0)	ND(0.39)
Benzo(ghi)Perylene	ND(0.41)	4.0	ND(0.37)	0.32 J	ND(0.39)	5.2 J	1.50J	ND	ND(29)	ND(2.0)	ND(0.39)
Benzo(a)Pyrene	ND(0.41)	5.5	ND(0.37)	0.74	ND(0.39)	8.4	2.10J	0.056J	ND(29)	ND(2.0)	0.14 J
Benzo(k)Fluoranthene	0.086 J	4.2	0.12 J	0.60	ND(0.39)	7.3 J	5.80J	0.240J	ND(29)	ND(2.0)	0.12 J
Di-n-Butyl Phthalate	0.18 BJ	ND(2.2)	0.11 BJ	0.22 BJ	ND(0.39)	ND(8.0)			ND(29)	ND(2.0)	0.088 BJ
Dibenz(a,h)Anthracene	ND(0.41)	1.6 J	ND(0.37)	0.16 J	ND(0.39)	2.8 J	0.39J	ND	ND(29)	ND(2.0)	ND(0.39)
Chrysene	0.16 J	9.8	0.17 J	1.0	ND(0.39)	14	2.20J	0.120J	ND(29)	ND(2.0)	0.26 J
1,2,4-Trichlorobenzene	ND(0.41)	ND(2.2)	ND(0.37)	ND(0.36)	4.7	7.0 J	3.10J	ND	140	ND(2.0)	ND(0.39)
3,3-Dichlorobenzidine	ND(0.82)	ND(4.4)	ND(0.75)	ND(0.73)	ND(0.78)	ND(16)			ND(58)	ND(4.0)	ND(0.78)
Bis(2-Ethylhexyl)Phthalate	ND(0.41)	ND(2.2)	ND(0.37)	ND(0.36)	ND(0.39)	ND(8.0)	1.20J	0.140J	ND(29)	ND(2.0)	ND(0.39)
Ethyl Methanesulfonate	ND(0.41)	ND(2.2)	ND(0.37)	ND(0.36)	ND(0.39)	ND(8.0)			ND(29)	ND(2.0)	ND(0.39)
Fluoranthene	0.19 J	21	0.20 J	1.4	ND(0.39)	43	3.30J	0.360J	ND(29)	ND(2.0)	0.30 J
Fluorene	ND(0.41)	1.8 J	ND(0.37)	ND(0.36)	0.87	12	ND	0.48J	ND(29)	ND(2.0)	ND(0.39)
Hexachloroethane	ND(0.41)	2.2	ND(0.37)	ND(0.36)	ND(0.39)	ND(8.0)			29	ND(2.0)	ND(0.39)
Indeno(1,2,3-cd)Pyrene	ND(0.41)	3.4	ND(0.37)	0.32 J	ND(0.39)	5.0 J	1.20J	ND	ND(29)	ND(2.0)	ND(0.39)
1,3-Dichlorobenzene	ND(0.41)	ND(2.2)	ND(0.37)	ND(0.36)	2.9	ND(8.0)	ND	0.170J	ND(29)	1.7 J	ND(0.39)
1-Methylnaphthalene	--	--	--	--	--	--	ND	0.94J	--	--	--
2-Methylnaphthalene	ND(0.41)	ND(2.2)	ND(0.37)	ND(0.36)	4.9	7.2 J	ND	0.590J	ND(29)	ND(2.0)	ND(0.39)
Naphthalene	ND(0.41)	ND(2.2)	ND(0.37)	ND(0.36)	12 D	14	ND	0.610J	ND(29)	ND(2.0)	ND(0.39)
Nitrobenzene	ND(0.41)	ND(2.2)	ND(0.37)	ND(0.36)	ND(0.39)	ND(8.0)			ND(29)	ND(2.0)	ND(0.39)
n-Nitrosodiphenylamine	ND(0.41)	ND(2.2)	ND(0.37)	ND(0.36)	ND(0.39)	ND(8.0)			ND(29)	ND(2.0)	ND(0.39)
5-Nitro-o-toluidine	ND(0.41)	ND(2.2)	ND(0.37)	ND(0.36)	ND(0.39)	ND(8.0)	ND	0.150J	ND(29)	ND(2.0)	ND(0.39)
Di-n-Octyl Phthalate	ND(0.41)	ND(2.2)	ND(0.37)	ND(0.36)	ND(0.39)	ND(8.0)			ND(29)	ND(2.0)	ND(0.39)
1,2-Dichlorobenzene	ND(0.41)	ND(2.2)	ND(0.37)	ND(0.36)	0.50	ND(8.0)	ND	0.047J	ND(29)	ND(2.0)	ND(0.39)
1,4-Dichlorobenzene	ND(0.41)	ND(2.2)	ND(0.37)	ND(0.36)	13 D	ND(8.0)	ND	0.360J	3.1 J	8.3	ND(0.39)
Phenanthrene	0.15 J	27	0.17 J	0.56	ND(0.39)	66	2.70J	ND	ND(29)	ND(2.0)	0.31 J
Phenol	ND(0.41)	ND(2.2)	ND(0.37)	ND(0.36)	0.59	ND(8.0)			ND(29)	ND(2.0)	ND(0.39)
Phenols(TOTAL)	--	--	--	--	--	--	0.682	0.562	--	--	--
Pyrene	0.20 J	23	0.25 J	1.3	ND(0.39)	28	2.60J	0.390J	ND(29)	ND(2.0)	0.52
1,2,4,5-Tetrachlorobenzene	ND(0.41)	ND(2.2)	ND(0.37)	ND(0.36)	ND(0.39)	ND(8.0)			4.4 J	ND(2.0)	ND(0.39)

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TABLE 4-4
(Cont'd)

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF SOILS APPENDIX IX+3 SEMIVOLATILES DATA
(Results presented in dry weight parts per million, ppm)

Location ID: Depth (ft):	LS-37 (6-8)	LS-38 (16-18)	LS-39 (10-12)	LS-40 (10-12)	LS-42 (20-22)	LS-43 (22-24)	LS-44 (22-24)	LS-45 (10-12)	LS-Soil (surface)	LS-C-11 (0-0.5)	LS-C-12 (0-0.5)
Date:	08/08/95	08/14/95	08/10/95	08/10/95	04/23/96	04/24/96	04/24/96	04/25/96	09-10/90	08/30/95	08/30/95
Acenaphthene	ND(0.36)	0.22 J	ND(0.4)	ND(0.4)	ND(0.37)	ND(0.39)	ND(0.42)	0.58J	0.38J	0.42 J	0.20 J
Acenaphthylene	0.16 J	ND(0.48)	ND(0.4)	ND(0.4)	ND(0.37)	0.049J	ND(0.42)	0.11J	0.26J	7.7	3.7
Acetophenone	ND(0.36)	ND(0.48)	ND(0.4)	ND(0.4)	ND(0.37)	ND(0.39)	ND(0.42)	ND(0.89)	ND(1.2)	ND(1.7)	ND(1.7)
Aniline	ND(0.36)	ND(0.48)	ND(0.4)	ND(0.4)	ND(0.37)	ND(0.39)	ND(0.42)	ND(0.89)	ND(6.2)	0.56 J	0.43 J
Anthracene	0.22 J	0.12 J	ND(0.4)	ND(0.4)	ND(0.37)	0.12J	ND(0.42)	ND(0.89)	0.31J	4.3	2.1
Benzo(b)Fluoranthene	0.56	ND(0.48)	ND(0.4)	ND(0.4)	0.045J	0.14JX	ND(0.42)	0.11JX	0.51J	26	12
Butyl Benzyl Phthalate	ND(0.36)	ND(0.48)	ND(0.4)	ND(0.4)	ND(0.37)	ND(0.39)	ND(0.42)	ND(0.89)	ND(1.2)	ND(1.7)	ND(1.7)
Benzo(a)Anthracene	0.58	ND(0.48)	ND(0.4)	ND(0.4)	ND(0.37)	0.3J	ND(0.42)	0.14JX	0.43J	18	8.0
Dibenzofuran	0.091 J	ND(0.48)	ND(0.4)	ND(0.4)	ND(0.37)	0.053J	ND(0.42)	ND(0.89)	ND(1.2)	0.97 J	0.63 J
Benzidine	ND(0.36)	ND(0.48)	ND(0.4)	ND(0.4)	ND(0.37)	ND(0.39)	ND(0.42)	ND(0.89)	ND(9.6)	ND(1.7)	ND(1.7)
Benzo(ghi)Perylene	0.33 J	ND(0.48)	ND(0.4)	ND(0.4)	ND(0.37)	0.11J	ND(0.42)	0.19J	ND(1.2)	5.1	2.5
Benzo(a)Pyrene	0.49	0.18 J	ND(0.4)	ND(0.4)	ND(0.37)	0.27J	ND(0.42)	0.24J	0.41J	18	8.7
Benzo(k)Fluoranthene	0.50	ND(0.48)	ND(0.4)	ND(0.4)	ND(0.37)	0.26JX	ND(0.42)	0.24JX	0.63J	12	6.9
Di-n-Butyl Phthalate	0.11 BJ	0.15 BJ	0.049 BJ	0.12 BJ	ND(0.37)	ND(0.39)	ND(0.42)	ND(0.89)	ND(1.2)	ND(1.7)	ND(1.7)
Dibenz(a,h)Anthracene	0.13 J	ND(0.48)	ND(0.4)	ND(0.4)	ND(0.37)	ND(0.39)	ND(0.42)	ND(0.89)	ND(1.2)	0.39 J	0.18 J
Chrysene	0.73	ND(0.48)	ND(0.4)	ND(0.4)	ND(0.37)	0.27J	ND(0.42)	0.17J	0.58J	21	11
1,2,4-Trichlorobenzene	ND(0.36)	ND(0.48)	ND(0.4)	ND(0.4)	ND(0.37)	1.1	ND(0.42)	ND(0.89)	ND(1.2)	ND(1.7)	ND(1.7)
3,3-Dichlorobenzidine	ND(0.72)	ND(0.96)	ND(0.4)	ND(0.4)	ND(0.75)	ND(0.78)	ND(0.85)	ND(1.8)	ND(2.4)	ND(3.3)	ND(3.3)
Bis(2-Ethylhexyl)Phthalate	ND(0.36)	ND(0.48)	ND(0.4)	ND(0.4)	0.2J	0.17J	0.1J	0.4J	1.8	0.28 J	ND(1.7)
Ethyl Methanesulfonate	ND(0.36)	ND(0.48)	ND(0.4)	ND(0.4)	ND(0.37)	ND(0.39)	ND(0.42)	ND(0.89)	ND(1.2)	ND(1.7)	ND(1.7)
Fluoranthene	1.3	ND(0.48)	ND(0.4)	ND(0.4)	0.06J	0.5	ND(0.42)	0.1J	0.99J	42 D	22
Fluorene	0.17 J	0.15 J	ND(0.4)	ND(0.4)	ND(0.37)	ND(0.39)	ND(0.42)	0.17J	0.38J	2.2	1.7
Hexachloroethane	ND(0.36)	ND(0.48)	ND(0.4)	ND(0.4)	ND(0.37)	ND(0.39)	ND(0.42)	ND(0.89)	ND(1.2)	ND(1.7)	ND(1.7)
Indeno(1,2,3-cd)Pyrene	0.29 J	ND(0.48)	ND(0.4)	ND(0.4)	ND(0.37)	0.097J	ND(0.42)	0.12J	ND(1.2)	5.7	2.7
1,3-Dichlorobenzene	ND(0.36)	ND(0.48)	ND(0.4)	ND(0.4)	ND(0.37)	ND(0.39)	ND(0.42)	ND(0.89)	ND(1.2)	ND(1.7)	ND(1.7)
1-Methylnaphthalene	--	--	--	--	--	--	--	--	--	--	--
2-Methylnaphthalene	0.085 J	0.23 J	ND(0.4)	ND(0.4)	ND(0.37)	ND(0.39)	ND(0.42)	0.97	ND(1.2)	0.55 J	0.26 J
Naphthalene	ND(0.36)	0.11 J	ND(0.4)	ND(0.4)	ND(0.37)	ND(0.39)	ND(0.42)	4.7	ND(1.2)	0.39 J	0.19 J
Nitrobenzene	ND(0.36)	ND(0.48)	ND(0.4)	ND(0.4)	ND(0.37)	ND(0.39)	ND(0.42)	ND(0.89)	ND(1.2)	ND(1.7)	ND(1.7)
n-Nitrosodiphenylamine	ND(0.36)	ND(0.48)	ND(0.4)	ND(0.4)	ND(0.37)	ND(0.39)	ND(0.42)	ND(0.89)	ND(1.2)	ND(1.7)	ND(1.7)
5-Nitro-o-toluidine	ND(0.36)	ND(0.48)	ND(0.4)	ND(0.4)	ND(0.37)	ND(0.39)	ND(0.42)	ND(0.89)	ND(2.4)	ND(1.7)	ND(1.7)
Di-n-Octyl Phthalate	ND(0.36)	ND(0.48)	ND(0.4)	ND(0.4)	ND(0.37)	ND(0.39)	ND(0.42)	ND(0.89)	ND(1.2)	ND(1.7)	ND(1.7)
1,2-Dichlorobenzene	ND(0.36)	ND(0.48)	ND(0.4)	ND(0.4)	ND(0.37)	ND(0.39)	ND(0.42)	ND(0.89)	ND(1.2)	ND(1.7)	ND(1.7)
1,4-Dichlorobenzene	ND(0.36)	ND(0.48)	ND(0.4)	ND(0.4)	ND(0.37)	ND(0.39)	ND(0.42)	ND(0.89)	0.27J	ND(1.7)	ND(1.7)
Phenanthrene	1.8	0.73	ND(0.4)	ND(0.4)	ND(0.37)	0.5	ND(0.42)	0.11J	0.85J	27	19
Phenol	ND(0.36)	ND(0.48)	ND(0.4)	ND(0.4)	ND(0.37)	ND(0.39)	ND(0.42)	ND(0.89)	ND(1.2)	ND(1.7)	ND(1.7)
Phenols(TOTAL)	--	--	--	--	--	--	--	--	--	--	--
Pyrene	1.4	0.12 J	ND(0.4)	ND(0.4)	0.06J	0.52	ND(0.42)	0.24J	1.6	33 D	18
1,2,4,5-Tetrachlorobenzene	ND(0.36)	ND(0.48)	ND(0.4)	ND(0.4)	ND(0.37)	0.04J	ND(0.42)	ND(0.89)	ND(1.2)	ND(1.7)	ND(1.7)

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TABLE 4-4
(Cont'd)

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF SOILS APPENDIX IX+3 SEMIVOLATILES DATA
(Results presented in dry weight parts per million, ppm)

Location ID: Depth (ft):	LS-C-13 (0-0.5)	LS-C-18 (0-0.5)	LS-GWP-33 (0-0.5)	LS-GWP-34 (0-0.5)						
Date:	08/30/95	08/30/95	08/30/95	08/30/95						
Acenaphthene	ND(1.4)	ND(0.33)	0.066 J	ND(0.34) [ND(0.34)]						
Acenaphthylene	2.7	ND(0.33)	0.096 J	0.099 J [0.095 J]						
Acetophenone	ND(1.4)	ND(0.33)	ND(0.34)	ND(0.34) [ND(0.34)]						
Aniline	6.0	ND(0.33)	1.9	0.67 [0.51]						
Anthracene	1.2 J	ND(0.33)	0.14 J	0.08 J [0.11J]						
Benzo(b)Fluoranthene	8.0	0.037 J	0.87	0.73 [0.76]						
Butyl Benzyl Phthalate	ND(1.4)	ND(0.33)	ND(0.34)	0.05 J [0.056 J]						
Benzo(a)Anthracene	5.0	0.036 J	0.56	0.41 [0.56]						
Dibenzofuran	0.33 J	ND(0.33)	0.037 J	ND(0.34) [ND(0.34)]						
Benzidine	ND(1.4)	ND(0.33)	0.097 J	ND(0.34) [ND(0.34)]						
Benzo(ghi)Perylene	1.8	ND(0.33)	0.21 J	0.18 J [0.19 J]						
Benzo(a)Pyrene	6.0	0.038 J	0.86	0.58 [0.68]						
Benzo(k)Fluoranthene	4.7	0.039 J	1.0	0.59 [0.82]						
Di-n-Butyl Phthalate	ND(1.4)	ND(0.33)	0.21 J	0.19 J [0.18 J]						
Dibenz(a,h)Anthracene	ND(1.4)	ND(0.33)	0.1 J	0.057 J [0.088 J]						
Chrysene	7.6	0.047 J	0.83	0.78 [1.2]						
1,2,4-Trichlorobenzene	ND(1.4)	ND(0.33)	ND(0.34)	ND(0.34) [ND(0.34)]						
3,3-Dichlorobenzidine	ND(2.8)	ND(0.67)	0.075 J	ND(0.69) [ND(0.69)]						
Bis(2-Ethylhexyl)Phthalate	ND(1.4)	ND(0.33)	0.059 J	0.052 J [0.077 J]						
Ethyl Methanesulfonate	ND(1.4)	ND(0.33)	ND(0.34)	ND(0.34) [ND(0.34)]						
Fluoranthene	14	0.079 J	1.3	1.1 [1.3]						
Fluorene	0.85 J	ND(0.33)	0.076 J	ND(0.34) [0.038 J]						
Hexachloroethane	ND(1.4)	ND(0.33)	ND(0.34)	ND(0.34) [ND(0.34)]						
Indeno(1,2,3-cd)Pyrene	2.1	ND(0.33)	0.27 J	0.19 J [0.24 J]						
1,3-Dichlorobenzene	ND(1.4)	ND(0.33)	ND(0.34)	ND(0.34) [ND(0.34)]						
1-Methylnaphthalene	--	--	--	-- --						
2-Methylnaphthalene	0.2 J	ND(0.33)	0.036 J	ND(0.34) [ND(0.34)]						
Naphthalene	0.18 J	ND(0.33)	0.044 J	ND(0.34) [ND(0.34)]						
Nitrobenzene	ND(1.4)	ND(0.33)	ND(0.34)	ND(0.34) [ND(0.34)]						
n-Nitrosodiphenylamine	ND(1.4)	ND(0.33)	0.076 J	ND(0.34) [ND(0.34)]						
5-Nitro-o-toluidine	ND(1.4)	ND(0.33)	ND(0.34)	ND(0.34) [ND(0.34)]						
Di-n-Octyl Phthalate	ND(1.4)	ND(0.33)	ND(0.34)	ND(0.34) [ND(0.34)]						
1,2-Dichlorobenzene	ND(1.4)	ND(0.33)	ND(0.34)	ND(0.34) [ND(0.34)]						
1,4-Dichlorobenzene	ND(1.4)	ND(0.33)	ND(0.34)	ND(0.34) [ND(0.34)]						
Phenanthrene	11	0.053 J	0.8	0.56 [0.63]						
Phenol	ND(1.4)	ND(0.33)	ND(0.34)	ND(0.34) [ND(0.34)]						
Phenols(TOTAL)	--	--	--	-- --						
Pyrene	11	0.067 J	0.93	0.9 [1.1]						
1,2,4,5-Tetrachlorobenzene	ND(1.4)	ND(0.33)	ND(0.34)	ND(0.34) [ND(0.34)]						

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TABLE 4-4
(Cont'd)

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF SOILS APPENDIX IX+3 SEMIVOLATILES DATA
(Results presented in dry weight parts per million, ppm)

NOTES:

1. Samples collected during 8/89, 9/90 - 10/90 were collected by Geraghty & Miller, Inc., and submitted to IT Analytical Services for SVOC analysis.
2. Samples collected during 4/91 were collected by Geraghty & Miller, Inc., and submitted to CompuChem Environmental Services for SVOC analysis.
3. Samples collected during 10/94 were collected by Rust Environment & Infrastructure, Inc., and submitted to CompuChem Environmental Services for SVOC analysis.
4. Samples collected during 8/95 - 12/95 and 4/96 were collected by Blasland, Bouck & Lee, Inc., and submitted to Quanterra Environmental Services for SVOC analysis.
5. -- = Data not reported by laboratory.
6. NA - Not analyzed.
7. ND(0.32) - Compound was analyzed for, but not detected. The number in parenthesis is the detection limit.
8. [ ] - Field duplicate analysis.
9. J - Indicates an estimated value less than the CLP - required quantitation limit.
10. D - Analysis was performed at a secondary dilution factor.
11. B - Indicates the compound was found in the associated blank as well as in the sample.
12. RE = Reanalysis
13. X - Data has been manually integrated.
14. * - Sample analytical results presented in November 29, 1994 letter report from RUST Environment & Infrastructure to Mr. John D. Ciampa presents compounds with concentrations above laboratory detection limits only. Data is not available for remaining compounds.

TABLE 4-5

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF SOIL APPENDIX IX+3 PCDD/PCDF DATA
(Results Presented in Dry-Weight Parts Per Million, ppm)

Location ID: Depth (ft):	E-3 (0-2)	E-4 (0-2)	E-5 (6-8)	E-6 (0-2)	E-7 (4-6)	E-8 (18-20)	LS-7 (14-16)	LS-8 (16-18)
Date:	08/09/95	08/09/95	08/10/95	08/16/95	08/07/95	08/09/95	09-10/90	09-10/90
TCDFs	0.0012	0.00073	0.000074	0.00044	0.000036	ND(0.00000024)	ND(0.000034)	0.321
2,3,7,8-TCDF	0.00015	0.000074	0.0000029J**	0.00005	0.0000038J**	ND(0.00000024)	NA	NA
PeCDFs	0.0017	0.00065	0.000031	0.00021	0.0000084	ND(0.00000046)	ND(0.00005)	0.176
1,2,3,7,8-PeCDF	ND(0.000065)	ND(0.000036)	ND(0.0000028)	0.000017	ND(0.0000017)	ND(0.00000028)	NA	NA
2,3,4,7,8-PeCDF	0.000076	0.000036	ND(0.0000054)	0.000015	ND(0.0000016)	ND(0.00000024)	NA	NA
HxCDFs	0.0013	0.00041	0.000035	0.00012	0.0000069	ND(0.00000057)	ND(0.00011)	ND(0.0568)
1,2,3,4,7,8-HxCDF	ND(0.00015)	ND(0.000065)	0.000014	0.000023	ND(0.0000021)	ND(0.00000014)	NA	NA
1,2,3,6,7,8-HxCDF	0.000091	0.000036	ND(0.0000045)	0.000011J**	ND(0.0000009)	ND(0.00000012)	NA	NA
1,2,3,7,8,9-HxCDF	ND(0.000036)	0.0000059J**	ND(0.0000012)	ND(0.0000013)	ND(0.00000017)	ND(0.00000048)	NA	NA
2,3,4,6,7,8-HxCDF	0.00018	0.000056	0.0000083J**	0.000012J**	ND(0.0000016)	ND(0.00000017)	NA	NA
HpCDFs	0.00063	0.00024	0.000022	0.00006	0.000012	ND(0.00000038)	NA	NA
1,2,3,4,6,7,8-HpCDF	0.00024	0.00012	0.000022	0.000035	0.0000059J**	ND(0.00000024)	NA	NA
1,2,3,4,7,8,9-HpCDF	0.000051	0.000014	ND(0.0000012)	ND(0.0000055)	ND(0.00000051)	ND(0.00000038)	NA	NA
OCDF	0.00025	0.00012	ND(0.0000064)	0.00004	0.000012J**	ND(0.00000038)	NA	NA
TCDDs	0.00024	0.0018	0.0000032	0.000012	ND(0.00000094)	ND(0.00000027)	ND(0.000061)	NR
2,3,7,8-TCDD	0.00006	0.0000093	ND(0.00000035)	ND(0.00000077)	ND(0.00000032)	ND(0.00000027)	ND(0.000038)	NR
PeCDDs	0.000079	0.0011	ND(0.0000028)	ND(0.0000045)	ND(0.0000011)	ND(0.00000031)	ND(0.00012)	ND(0.24)
1,2,3,7,8-PeCDD	0.0000077J**	0.000027	ND(0.00000092)	ND(0.000001)	ND(0.00000022)	ND(0.00000031)	NA	NA
HxCDDs	0.0003	0.0018	0.000016	0.0000076	ND(0.0000018)	ND(0.00000098)	ND(0.00014)	ND(0.0351)
1,2,3,4,7,8-HxCDD	0.0000065J**	0.000032	ND(0.0000012)	ND(0.00000079)	ND(0.0000003)	ND(0.00000094)	NA	NA
1,2,3,6,7,8-HxCDD	0.000018	0.000095	ND(0.0000016)	ND(0.0000022)	ND(0.00000053)	ND(0.00000098)	NA	NA
1,2,3,7,8,9-HxCDD	0.000017	0.000088	ND(0.0000047)	ND(0.0000025)	ND(0.00000079)	ND(0.00000097)	NA	NA
HpCDDs	0.00024	0.00092	0.000055	0.000042	0.000013	ND(0.00000043)	NA	NA
1,2,3,4,6,7,8-HpCDD	0.00012	0.00035	0.000022	0.000021	0.0000071J**	ND(0.00000043)	NA	NA
OCDD	0.0008	0.00085	0.00086	0.00016	0.00004	ND(0.0000036)	NA	NA

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TABLE 4-5
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GENERAL ELECTRIC COMPANY
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LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF SOIL APPENDIX IX+3 PCDD/PCDF DATA
(Results Presented in Dry-Weight Parts Per Million, ppm)

Location ID:	LS-9	LS-10	LS-11	LS-26	LS-27	LS-28	LS-29	LS-30
Depth (ft):	(14-16)	(10-12)	(10-12)	(10-12)	(2-4)	(10-12)	(10-12)	(14-16)
Date:	09-10/90	09-10/90	09-10/90	08/10/95	08/11/95	08/14/95	08/08/95	08/14/95
TCDFs	ND(0.0004)	ND(0.00039)	0.0087	0.000019	0.00015	0.0000056	0.000018	0.026
2,3,7,8-TCDF	NA	NA	NA	ND(0.00000086)	0.000017J**	0.0000014J**	0.0000078	0.0026 E
PeCDFs	ND(0.00028)	ND(0.00024)	0.0062	0.000013	0.00013	ND(0.0000056)	ND(0.0000022)	0.02
1,2,3,7,8-PeCDF	NA	NA	NA	ND(0.0000016)	ND(0.000013)	ND(0.00000042)	ND(0.00000099)	0.0017
2,3,4,7,8-PeCDF	NA	NA	NA	ND(0.0000019)	0.0000063J**	ND(0.00000054)	ND(0.00000091)	0.0016
HxCDFs	ND(0.0004)	ND(0.00015)	0.0064	0.000018	0.00014	ND(0.0000047)	ND(0.0000012)	0.02
1,2,3,4,7,8-HxCDF	NA	NA	NA	0.0000076J**	0.000012	ND(0.00000083)	ND(0.0000006)	ND(0.01)
1,2,3,6,7,8-HxCDF	NA	NA	NA	ND(0.0000034)	0.0000076J**	ND(0.00000068)	ND(0.00000035)	0.0046 E
1,2,3,7,8,9-HxCDF	NA	NA	NA	ND(0.0000018)	ND(0.0000049)	ND(0.00000015)	ND(0.00000017)	0.0021
2,3,4,6,7,8-HxCDF	NA	NA	NA	ND(0.0000042)	0.000017	ND(0.00000082)	ND(0.00000035)	0.002
HpCDFs	NA	NA	NA	0.000033	0.000077	ND(0.0000022)	ND(0.00000062)	0.015
1,2,3,4,6,7,8-HpCDF	NA	NA	NA	0.000026	0.000029	ND(0.0000011)	ND(0.00000062)	0.0067 E
1,2,3,4,7,8,9-HpCDF	NA	NA	NA	ND(0.0000032)	ND(0.0000054)	ND(0.00000033)	ND(0.00000018)	0.0037 E
OCDF	NA	NA	NA	0.00003	0.000029	ND(0.00000092)	ND(0.00000057)	0.0096 E
TCDDs	ND(0.00047)	ND(0.00034)	ND(0.0012)	0.0000016	0.0000051	ND(0.00000044)	ND(0.00000046)	0.00073
2,3,7,8-TCDD	ND(0.0026)	ND(0.0024)	ND(0.0021)	ND(0.00000051)	ND(0.00000049)	ND(0.00000034)	ND(0.00000043)	0.000013
PeCDDs	ND(0.0009)	ND(0.00077)	ND(0.0016)	ND(0.0000017)	ND(0.0000023)	ND(0.00000013)	ND(0.00000025)	0.00044
1,2,3,7,8-PeCDD	NA	NA	NA	ND(0.00000064)	ND(0.0000014)	ND(0.00000013)	ND(0.00000018)	0.000057
HxCDDs	ND(0.0044)	ND(0.0011)	ND(0.0025)	ND(0.000005)	0.000038	ND(0.0000002)	ND(0.00000077)	0.0015
1,2,3,4,7,8-HxCDD	NA	NA	NA	ND(0.00000086)	ND(0.0000015)	ND(0.00000018)	ND(0.000000092)	0.000053
1,2,3,6,7,8-HxCDD	NA	NA	NA	ND(0.0000015)	ND(0.0000052)	ND(0.0000002)	ND(0.00000021)	0.00013
1,2,3,7,8,9-HxCDD	NA	NA	NA	ND(0.0000034)	ND(0.0000037)	ND(0.0000002)	ND(0.00000035)	0.00014
HpCDDs	NA	NA	NA	0.000039	0.0003	ND(0.00000042)	ND(0.0000022)	0.0014
1,2,3,4,6,7,8-HpCDD	NA	NA	NA	0.000018	0.00016	ND(0.00000042)	ND(0.0000016)	0.00067
OCDD	NA	NA	NA	0.00059	0.0012	ND(0.000003)	0.000068	0.003

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GENERAL ELECTRIC COMPANY
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LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF SOIL APPENDIX IX+3 PCDD/PCDF DATA
(Results Presented in Dry-Weight Parts Per Million, ppm)

Location ID: Depth (ft):	LS-31 (18-20)	LS-32* (2-4)	LS-33* (16-18)	LS-34 (22-24)	LS-35 (12-14)	LS-36 (16-18)	LS-37 (6-8)	LS-38 (16-18)
Date:	08/15/95	10/12/94	10/12/94	12/14/95	08/15/95	08/07/95	08/08/95	08/14/95
TCDFs	0.0021	0.0628	0.000227	0.00082	0.003	ND(0.00000072)	0.000027	ND(0.00000045)
2,3,7,8-TCDF	0.000099			0.000043	0.00015	ND(0.00000067)	0.000002J**	ND(0.00000045)
PeCDFs	0.0037	0.131	0.0011	0.0028	0.0065	ND(0.0000022)	0.0000055	ND(0.00000079)
1,2,3,7,8-PeCDF	ND(0.00066)			0.00011	0.00011	ND(0.00000033)	ND(0.0000013)	ND(0.0000006)
2,3,4,7,8-PeCDF	0.00028			0.0003	0.00052	ND(0.00000018)	ND(0.0000014)	ND(0.00000049)
HxCDFs	0.0078	0.145	0.000947	0.0047	0.0049	ND(0.000003)	ND(0.0000037)	ND(0.00000072)
1,2,3,4,7,8-HxCDF	0.0012			0.0016 E	ND(0.0027)	ND(0.00000035)	ND(0.0000021)	ND(0.00000072)
1,2,3,6,7,8-HxCDF	0.00043			0.0008	0.0012	ND(0.00000021)	ND(0.00000088)	ND(0.00000034)
1,2,3,7,8,9-HxCDF	ND(0.00022)			0.000032	ND(0.000026)	ND(0.00000033)	ND(0.00000017)	ND(0.00000057)
2,3,4,6,7,8-HxCDF	0.00057			0.00033	0.00056	ND(0.00000034)	ND(0.0000013)	ND(0.00000039)
HpCDFs	0.0074	0.0399	0.00044	0.0025	0.0038	ND(0.00000091)	ND(0.000004)	ND(0.00000054)
1,2,3,4,6,7,8-HpCDF	0.0022			0.0011 E	0.0012	ND(0.00000033)	ND(0.0000035)	ND(0.00000054)
1,2,3,4,7,8,9-HpCDF	0.0014			0.0012 E	0.0012	ND(0.000000071)	ND(0.0000005)	ND(0.00000018)
OCDF	0.0055			0.0031 E	0.0012	ND(0.00000049)	ND(0.0000047)	ND(0.00000099)
TCDDs	0.00025	ND	ND	0.000067	0.00054	0.0000027	0.0000029	ND(0.00000042)
2,3,7,8-TCDD	0.0000098			0.0000015J**	0.0000039J**	ND(0.00000019)	ND(0.00000035)	ND(0.00000028)
PeCDDs	0.00009	ND	ND	0.000057	0.00023	ND(0.00000048)	ND(0.0000019)	ND(0.00000025)
1,2,3,7,8-PeCDD	0.00002			0.000012	ND(0.000018)	ND(0.00000021)	ND(0.00000048)	ND(0.00000025)
HxCDDs	0.0011	0.00251	ND	0.00029	0.00077	ND(0.0000013)	ND(0.000005)	ND(0.00000028)
1,2,3,4,7,8-HxCDD	0.000088			0.000036	0.000017	ND(0.00000019)	ND(0.00000044)	ND(0.00000025)
1,2,3,6,7,8-HxCDD	0.000052			0.000022	0.000055	ND(0.00000023)	ND(0.00000086)	ND(0.00000027)
1,2,3,7,8,9-HxCDD	0.000086			0.000026	0.000043	ND(0.00000058)	ND(0.000002)	ND(0.00000028)
HpCDDs	0.0042	0.00984	ND	0.0013	0.00049	0.000011	0.000031	ND(0.00000039)
1,2,3,4,6,7,8-HpCDD	0.0024			0.00081	0.00019	ND(0.0000043)	0.000013	ND(0.00000039)
OCDD	0.038 E			0.0076 D	0.00089	0.000048	0.00074	ND(0.0000027)

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GENERAL ELECTRIC COMPANY
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LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF SOIL APPENDIX IX+3 PCDD/PCDF DATA
(Results Presented in Dry-Weight Parts Per Million, ppm)

Location ID: Depth (ft):	LS-39 (10-12)	LS-40 (10-12)	LS-42 (20-22)	LS-43 (22-24)	LS-44 (22-24)	LS-45 (10-12)	LS-SOIL (SURFACE)	LS-C-11 (0-0.5)
Date:	08/10/95	08/10/95	04/23/96	04/24/96	04/24/96	04/25/96	09-10/90	08/30/95
TCDFs	ND(0.00000021)	ND(0.00000015)	ND(0.00000083)	0.00019	0.0000098	ND(0.00000045)	0.001(I)	0.000079
2,3,7,8-TCDF	ND(0.00000015)	ND(0.00000015)	ND(0.00000083)	0.0000063	ND(0.0000014)	ND(0.00000045)	NA	0.000015J**
PeCDFs	ND(0.00000014)	ND(0.0000002)	ND(0.00000094)	0.0005	0.000011	ND(0.00000043)	0.00083(I)	0.00012
1,2,3,7,8-PeCDF	ND(0.00000014)	ND(0.0000002)	ND(0.00000033)	0.000015	ND(0.0000011)	ND(0.00000031)	NA	ND(0.0000081)
2,3,4,7,8-PeCDF	ND(0.00000012)	ND(0.00000017)	ND(0.00000023)	0.000063	ND(0.0000011)	ND(0.00000028)	NA	ND(0.00001)
HxCDFs	ND(0.00000024)	ND(0.00000017)	ND(0.0000016)	0.0011	ND(0.0000026)	ND(0.00000047)	0.0006(I)	0.00018
1,2,3,4,7,8-HxCDF	ND(0.000000095)	ND(0.000000045)	ND(0.00000038)	0.00039	ND(0.0000025)	ND(0.00000047)	NA	ND(0.000011)
1,2,3,6,7,8-HxCDF	ND(0.00000012)	ND(0.000000055)	ND(0.00000022)	0.00016	ND(0.0000011)	ND(0.00000019)	NA	ND(0.0000088)
1,2,3,7,8,9-HxCDF	ND(0.00000016)	ND(0.00000012)	ND(0.00000039)	0.0001	ND(0.00000076)	ND(0.00000031)	NA	ND(0.0000012)
2,3,4,6,7,8-HxCDF	ND(0.00000013)	ND(0.00000006)	ND(0.00000045)	0.0001	ND(0.0000013)	ND(0.0000002)	NA	ND(0.000019)
HpCDFs	ND(0.00000032)	ND(0.00000033)	ND(0.00000082)	0.0012	ND(0.0000028)	ND(0.00000084)	NA	ND(0.00004)
1,2,3,4,6,7,8-HpCDF	ND(0.00000024)	ND(0.00000024)	ND(0.00000067)	0.00035	ND(0.0000028)	ND(0.00000061)	NA	ND(0.00003)
1,2,3,4,7,8,9-HpCDF	ND(0.00000032)	ND(0.00000033)	ND(0.00000034)	0.00033	ND(0.000001)	ND(0.00000084)	NA	ND(0.000004)
OCDF	ND(0.0000002)	ND(0.00000023)	ND(0.0000011)	0.0014	ND(0.000005)	ND(0.0000014)	NA	ND(0.000043)
TCDDs	ND(0.00000047)	ND(0.00000031)	ND(0.00000034)	0.000046	ND(0.00000052)	ND(0.00000036)	ND(0.00014)	ND(0.0000014)
2,3,7,8-TCDD	ND(0.00000019)	ND(0.00000012)	ND(0.00000034)	ND(0.00000073)	ND(0.0000003)	ND(0.00000036)	ND(0.000037)	ND(0.0000013)
PeCDDs	ND(0.00000065)	ND(0.00000011)	ND(0.0000018)	0.000016	ND(0.00000059)	ND(0.0000002)	ND(0.0014)	ND(0.000002)
1,2,3,7,8-PeCDD	ND(0.00000022)	ND(0.00000011)	ND(0.0000018)	0.0000067J**	ND(0.00000032)	ND(0.0000002)	NA	ND(0.0000013)
HxCDDs	ND(0.0000003)	ND(0.00000021)	ND(0.00000047)	0.00017	ND(0.0000013)	ND(0.00000047)	ND(0.00065)	ND(0.00001)
1,2,3,4,7,8-HxCDD	ND(0.00000028)	ND(0.0000002)	ND(0.00000045)	0.000021	ND(0.00000062)	ND(0.00000046)	NA	ND(0.0000015)
1,2,3,6,7,8-HxCDD	ND(0.0000003)	ND(0.00000021)	ND(0.00000042)	0.000013	ND(0.00000061)	ND(0.00000043)	NA	ND(0.0000032)
1,2,3,7,8,9-HxCDD	ND(0.0000003)	ND(0.00000021)	ND(0.00000047)	0.000016	ND(0.00000065)	ND(0.00000047)	NA	ND(0.0000032)
HpCDDs	ND(0.00000058)	ND(0.00000025)	ND(0.0000005)	0.00062	ND(0.0000015)	ND(0.00000048)	NA	0.0001
1,2,3,4,6,7,8-HpCDD	ND(0.00000035)	ND(0.00000025)	ND(0.0000005)	0.00038	ND(0.0000015)	ND(0.00000048)	NA	ND(0.000043)
OCDD	ND(0.0000056)	ND(0.0000019)	ND(0.0000043)	0.0035	ND(0.000012)	ND(0.0000049)	NA	0.00045

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GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

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SUMMARY OF SOIL APPENDIX IX+3 PCDD/PCDF DATA
(Results Presented in Dry-Weight Parts Per Million, ppm)

Location ID: Depth (ft):	LS-C-12 (0-0.5)	LS-C-13 (0-0.5)	LS-C-18 (0-0.5)	LS-GWP-33 (0-0.5)	LS-GWP-34 (0-0.5)		
Date:	08/30/95	08/30/95	08/30/95	08/30/95	08/30/95		
TCDFs	0.00006	0.0025	ND(0.00000051)	0.00067	0.00086 [0.00088]		
2,3,7,8-TCDF	0.000022J**	0.00048	ND(0.00000051)	0.000084	0.00014 [0.00015]		
PeCDFs	ND(0.000018)	0.0029	ND(0.00000089)	0.0014	0.00049 [0.00054]		
1,2,3,7,8-PeCDF	ND(0.0000098)	0.00025	ND(0.00000016)	0.000028	0.000051 [0.000052]		
2,3,4,7,8-PeCDF	ND(0.0000093)	0.00029	ND(0.00000018)	0.000058J**	0.000043 [0.000048]		
HxCDFs	ND(0.0000043)	0.0043	ND(0.0000015)	0.0014	0.00039 [0.00039]		
1,2,3,4,7,8-HxCDF	ND(0.000019)	0.0007	ND(0.00000029)	0.000063	0.000065 [0.000064]		
1,2,3,6,7,8-HxCDF	ND(0.000011)	0.00041	ND(0.0000002)	0.000061	0.000036 [0.00004]		
1,2,3,7,8,9-HxCDF	ND(0.00000078)	ND(0.000017)	ND(0.00000011)	0.0000098J**	ND(0.0000014) [ND(0.0000017)]		
2,3,4,6,7,8-HxCDF	ND(0.000016)	0.00035	ND(0.00000027)	0.00018	0.000042 [0.000043]		
HpCDFs	ND(0.000039)	0.0018	ND(0.0000018)	0.00057	0.00045 [0.00045]		
1,2,3,4,6,7,8-HpCDF	ND(0.000031)	0.00084	ND(0.0000015)	0.00023	0.0002 [0.0002]		
1,2,3,4,7,8,9-HpCDF	ND(0.0000055)	0.00019	ND(0.00000027)	0.000021	0.000016 [0.000016]		
OCDF	ND(0.000045)	0.0013	ND(0.0000036)	0.00013	0.00046 [0.00049]		
TCDDs	ND(0.0000034)	ND(0.0000099)	ND(0.0000004)	0.0000052	0.000015 [0.000027]		
2,3,7,8-TCDD	ND(0.0000034)	ND(0.0000031)	ND(0.00000022)	0.0000013J**	0.0000082 [0.0000088]		
PeCDDs	ND(0.0000009)	ND(0.000022)	ND(0.0000002)	ND(0.0000048)	0.0000053 [ND(0.00001)]		
1,2,3,7,8-PeCDD	ND(0.0000009)	ND(0.000009)	ND(0.00000017)	ND(0.0000021)	ND(0.0000041) [ND(0.000004)]		
HxCDDs	ND(0.000007)	0.000097	ND(0.00000077)	0.000045	0.00012 [0.00012]		
1,2,3,4,7,8-HxCDD	ND(0.00000074)	ND(0.0000072)	ND(0.00000012)	ND(0.0000023)	0.0000054J** [ND(0.0000051)]		
1,2,3,6,7,8-HxCDD	ND(0.0000025)	ND(0.000025)	ND(0.00000036)	ND(0.000005)	0.000014 [0.000015]		
1,2,3,7,8,9-HxCDD	ND(0.0000029)	ND(0.000024)	ND(0.00000032)	ND(0.0000049)	0.000013 [0.000013]		
HpCDDs	ND(0.000052)	0.00023	ND(0.0000043)	0.00019	0.00042 [0.00043]		
1,2,3,4,6,7,8-HpCDD	ND(0.000042)	0.00011	ND(0.0000043)	0.000071	0.00023 [0.00024]		
OCDD	0.00033	0.00046	0.000033	0.00057	0.0012 [0.0013]		

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GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

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LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF SOIL APPENDIX IX+3 PCDD/PCDF DATA
(Results Presented in Dry-Weight Parts Per Million, ppm)

NOTES:

1. Samples collected during 9/90 - 10/90 were collected by Geraghty & Miller, Inc., and submitted to IT Analytical Services for PCDD/PCDF analysis.
2. Samples collected during 10/94 were collected by Rust Environment & Infrastructure, Inc., and submitted to CompuChem Environmental Services for PCDD/PCDF analysis.
3. Samples collected during 8/95 - 12/95 and 4/96 were collected by Blasland, Bouck & Lee, Inc., and submitted to Quanterra Environmental Services for PCDD/PCDF analysis.
4. -- = Data not reported by laboratory.
5. NA - Not analyzed.
6. ND(0.32) - Compound was analyzed for, but not detected. The number in parenthesis is the detection limit.
7. [ ] - Field duplicate analysis.
8. J** - Estimated value below the lower calibration limit but above the target detection limit.
9. B - Indicates the compound was found in the associated blank as well as in the sample.
10. D - Analysis was performed at a secondary dilution factor.
11. E - The compound exceeded the calibration range of the GC/MS instrument for that specific analysis.
12. NR - Not reportable due to internal standards interference.
13. (I) - Possible interference from polychlorinated diphenyl ethers.
14. * - Sample analytical results presented in November 29, 1994 letter report from RUST Environment & Infrastructure to Mr. John D. Ciampa presents compounds with concentrations above laboratory detection limits only. Data is not available for remaining compounds.

TABLE 4-6

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF SOIL APPENDIX IX+3 METALS DATA
(Results Presented in Dry-Weight Parts Per Million, ppm)

Location ID:	E-1	E-2	E-3	E-4	E-5	E-6	E-7	E-8
Depth (ft):	(10-12)	(8-10)	(0-2)	(0-2)	(6-8)	(0-2)	(4-6)	(18-20)
Date:	4/91	4/91	08/09/95	08/09/95	08/10/95	08/16/95	08/07/95	08/09/95
Aluminum	11,700	8,770	NA	NA	NA	NA [NA]	NA	NA
Antimony	ND(5.6)	ND(6.7)	ND(1.7)	ND(1.7)	ND(1.6)	ND(1.7) [ND(1.71)]	ND(1.7)	ND(2.2)
Arsenic	5.6N	2.6J*N	6.0	10.6	8.1	5.0 [5.06]	3.5	2.5
Barium	45.8J*	38.9J*	39.5	60.5	57.6	61 [73.5]	29.4	39.3
Beryllium	0.36J*	ND(0.3)	0.25 J*	0.37 J*	0.46 J*	0.19 J* [0.19 J*]	0.2 J*	0.37 J*
Cadmium	ND(1.0)	ND(1.2)	0.38 J*	ND(0.2)	0.94	0.23 J* [0.25 J*]	0.21 J*	ND(0.26)
Calcium	16,400	7,260	NA	NA	NA	NA [NA]	NA	NA
Chromium	19.6	23.1	21.1	22.5	13.2	8.3 [7.52]	7.6	10.1
Cobalt	4.8J*	8.5J*	6.4	9.8	5.1 J*	7.4 [7.4]	7.4	8.7
Copper	74.7est.	354est.	163	189	237	46.3 [46.4]	20.4	12.3
Iron	31,600	62,400	NA	NA	NA	NA [NA]	NA	NA
Lead	153	114	102 est.NM	87.1 est.NM	133 est.NM	150 est.NM [115]	70.1 est.NM	5.1 est.NM
Magnesium	6,210	5,630	NA	NA	NA	NA [NA]	NA	NA
Manganese	743	612	NA	NA	NA	NA [NA]	NA	NA
Mercury	ND(0.13)	0.14	0.87 NM	0.65 NM	ND(0.11)	ND(0.12) [0.13]	ND(0.12)	ND(0.15)
Nickel	11	63.1	15.2	29.3	21.7	13 [12]	12.6	13
Potassium	1,310	831J*	NA	NA	NA	NA [NA]	NA	NA
Selenium	ND(0.76)	ND(0.91)	1.3	2.4	1.4	1.0 [1.11]	0.95	1.5
Silver	ND(1.3)	ND(1.5)	ND(0.3)	ND(0.31)	ND(0.29)	ND(0.31) [ND(0.31)]	ND(0.32)	ND(0.41)
Sodium	276J*	186J*	NA	NA	NA	NA [NA]	NA	NA
Thallium	ND(0.76)	ND(0.91)	ND(0.46)	ND(0.47)	ND(0.45)	ND(0.48) [ND(0.48)]	ND(0.48)	ND(0.62)
Tin	NA	NA	3.9 J*	ND(1.3)	8.6 J*	ND(1.3) [ND(1.34)]	ND(1.4)	ND(1.8)
Vanadium	27.5	45.1	13.7	22.2	19.7	11.6 [11.1]	8.0	11.4
Zinc	119	193	191 est.	127 est.	256 est.	144 est. [123]	64.8 est.	54.3 est.
Cyanide, Total	0.67	ND(0.76)	ND(2.8)	ND(2.9)	ND(2.7)	ND(2.9) [ND(2.9)]	ND(2.9)	ND(3.8)
Sulfide	ND(12.6)	ND(15.2)	ND(225)	ND(231)	ND(217)	329 [237]	ND(235)	483

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TABLE 4-6
(Cont'd)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF SOIL APPENDIX IX+3 METALS DATA
(Results Presented in Dry-Weight Parts Per Million, ppm)

Location ID: Depth (ft): Date:	LS-7 (14-16) 09-10-90	LS-8 (16-18) 09-10-90	LS-9 (14-16) 09-10-90	LS-10 (10-12) 09-10-90	LS-11 (10-12) 09-10-90	LS-26 (10-12) 08/10/95	LS-27 (2-4) 08/11/95	LS-28 (10-12) 08/14/95	LS-29 (10-12) 08/08/95
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(1.9)	3.3 J*N	ND(1.7)	ND(1.6)
Arsenic	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	ND(3.0)	5.8	9.8	5.9	3.5
Barium	42.4	18	8.8	6.0	232	30.9	42.7	15.5 J*	200
Beryllium	0.1	ND(0.1)	0.1	ND (0.1)	0.2	0.23 J*	0.35 J*	0.11 J*	1.0
Cadmium	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	1.7	0.8	0.65	ND(0.19)	ND(0.19)
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	8.0	3.0	12	2.0	56	12.2	15.4	9.8	27.6
Cobalt	6.0	4.0	3.0	5.0	9.0	5.4 J*	7.4	11.7	4.9 J*
Copper	20	82	17	19	1,050	93.1	3,610	27.5	24.5
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	16	11	14	9.0	803	165 est.NM	261 est.NM	8.6 est.NM	119 est.NM
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	ND(0.1)	0.1	0.1	ND(0.1)	0.3	ND(0.13)	0.12 NM	ND(0.11)	ND(0.11)
Nickel	8.0	6.0	2.0	7.0	62	26.9	32.1	20	6.8
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	ND(6.0)	ND(6.0)	ND(6.0)	ND(7.0)	ND(6.0)	1.6	1.6	1.5	2.0
Silver	ND(0.5)	ND(0.5)	ND(0.5)	ND(0.5)	1.8	ND(0.34)	0.49 J*	ND(0.31)	ND(0.3)
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	22	10	ND(3.0)	ND(3.0)	ND(3.0)	ND(0.52)	ND(0.45)	ND(0.46)	ND(2.3)
Tin	ND(2.0)	6.0	5.0	3.0	50	ND(1.5)	117	ND(1.3)	ND(1.3)
Vanadium	7.0	2.0	2.0	1.0	9.0	16.1	19.2	8.3	49.5
Zinc	47.8	33.4	34.5	23.5	768	247 est.	578 est.	55.8 est.	28.8 est.
Cyanide, Total	ND(0.5)	ND(1.0)	ND(1.0)	ND(1.0)	ND(0.5)	ND(3.1)	ND(2.8)	ND(2.8)	ND(2.7)
Sulfide	130	ND(18)	140	ND(20)	130	ND(252)	263	ND(226)	ND(220)

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TABLE 4-6
(Cont'd)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF SOIL APPENDIX IX+3 METALS DATA
(Results Presented in Dry-Weight Parts Per Million, ppm)

Location ID:	LS-30	LS-31	LS-32*	LS-33*	LS-34	LS-35	LS-36	LS-37	LS-38
Depth (ft):	(14-16)	(18-20)	(2-4)	(16-18)	(22-24)	(12-14)	(16-18)	(6-8)	(16-18)
Date:	08/14/95	08/15/95	10/12/94	10/12/94	12/14/95	08/15/95	08/07/95	08/08/95	08/14/95
Aluminum	NA	NA	12,400	11,300	NA	NA	NA	NA	NA
Antimony	4.4 J*N	ND(1.8)	29.6	ND	2.6 J*	ND(1.8)	ND(1.9)	3.8 J*N	ND(2.2)
Arsenic	7.3	5.7	9.0	3.7	11.1	2.6	2.2	11	2.3
Barium	149	49.1	661J*	32.1	16.2	36.3	20.4 J*	32.8	48.9
Beryllium	0.13 J*	ND(0.02)	0.29	0.28J*	0.16 J*	0.26 J*	0.22 J*	0.32 J*	0.14 J*
Cadmium	2.4	ND(0.21)	5.4	ND	ND(0.24)	ND(0.2)	0.26 J*	0.95	ND(0.25)
Calcium	NA	NA	11,300	669	NA	NA	NA	NA	NA
Chromium	29.3	8.9	204	15.5	7.9	8.9	8.0	25.6	7.6
Cobalt	8.2	8.0	11.7	4.6J*	10.7	8.5	7.1	10.8	7.1 J*
Copper	1,390	1,470	4,650	7.9	19.5	15.9	7.0	461	7.9
Iron	NA	NA	41,500	15,900	NA	NA	NA	NA	NA
Lead	787 est.NM	84.5 est.NM	14,400	11	6.4	8.1 est.NM	3.0 est.NM	190 est.NM	3.4 est.NM
Magnesium	NA	NA	5,600	1,360	NA	NA	NA	NA	NA
Manganese	NA	NA	791	113	NA	NA	NA	NA	NA
Mercury	0.59 NM	0.42 NM	NR	ND	ND(0.12)	ND(0.12)	ND(0.13)	ND(0.11)	ND(0.15)
Nickel	24	16	82	8	15.6	11.4	10.8	32.9	10.7
Potassium	NA	NA	770J*	798	NA	NA	NA	NA	NA
Selenium	1.5	1.2	ND(0.77)	0.6J*	0.46 J*	1.1	1.3	2.7	0.9
Silver	1.5	0.38 J*	5.8	ND	ND(0.3)	ND(0.32)	ND(0.35)	ND(0.29)	ND(0.39)
Sodium	NA	NA	547J*	ND	NA	NA	NA	NA	NA
Thallium	ND(0.48)	ND(0.49)			ND(1.1)	ND(0.49)	ND(0.53)	ND(0.45)	ND(0.6)
Tin	242	12.1 J*	482	1.5J*	1.98	ND(1.4)	ND(1.5)	23	ND(1.7)
Vanadium	7.5	6.7	13.7	26.9	5.98	8.5	7.4	29.4	7.8
Zinc	834 est.	125 est.	3610	25.3	47.8	49.5 est.	43.1 est.	296 est.	41.9 est.
Cyanide, Total	ND(2.9)	ND(3.0)	ND	ND	ND(3.0)	ND(3.0)	ND(3.2)	ND(2.7)	ND(3.6)
Sulfide	429	346			NA	ND(241)	ND(260)	ND(217)	298

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TABLE 4-6
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GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF SOIL APPENDIX IX+3 METALS DATA
(Results Presented in Dry-Weight Parts Per Million, ppm)

Location ID: Depth (ft): Date:	LS-39 (10-12) 08/10/95	LS-40 (10-12) 08/10/95	LS-42 (20-22) 04/23/96	LS-43 (22-24) 04/24/96	LS-44 (22-24) 04/24/96	LS-45 (10-12) 04/24/96	LS-SOIL (surface) 09-10-90	LS-C-11 (0-0.5) 08/30/95	LS-C-12 (0-0.5) 08/30/95
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	ND(1.8)	ND(1.8)	ND(2.7)	ND(2.8)	ND(3.0)	ND(3.2)	ND(3.0)	ND(1.5)	1.7 J*N
Arsenic	3.5	3.6	5.5	4.2	4.1	1.6	ND(3.0)	5.3 est.M	6.2 est.M
Barium	10.9 J*	12.3 J*	8.8J*	14.9J*	15J*	20.8J*	19.3	19.3 J*	15 J*
Beryllium	0.16 J*	0.13 J*	0.17J*	0.18J*	0.23J*	0.25J*	0.2	0.27 J*	0.19 J*
Cadmium	ND(0.21)	ND(0.21)	ND(0.27)	ND(0.28)	ND(0.31)	ND(0.32)	ND(0.5)	0.3 J*	0.19 J*
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	10.1	8.2	11.9	7.8	6.8	7.3	7.0	6.9	7.5
Cobalt	13.2	10.9	12.8	8.7	9.2	6.3J*	4.0	6.8	7.3
Copper	25.7	23.5	25.9	23	13.5	10.5	17	18.9 M	17.5 M
Iron	NA	NA	NA	NA	NA	NA	NA	NA	NA
Lead	8.9 est.NM	6.7 est.NM	15.7	33.7	8.1	5.9	19	84.5	53
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	ND(0.12)	ND(0.12)	ND(0.11)	ND(0.12)	ND(0.13)	ND(0.13)	ND(0.1)	ND(0.1)	ND(0.1)
Nickel	20.7	17.4	20.5	14.5	11.4	8.7	7.0	14.8	14.1
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	1.4	1.2	ND(0.32)	ND(0.33)	ND(0.36)	ND(0.38)	ND(6.0)	0.8	0.86
Silver	ND(0.33)	ND(0.33)	ND(0.32)	ND(0.33)	ND(0.36)	ND(0.38)	ND(0.5)	ND(0.27)	ND(0.27)
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	NA
Thallium	ND(0.49)	ND(0.5)	ND(0.54)	ND(0.56)	ND(0.61)	ND(0.65)	ND(3.0)	ND(0.42)	ND(0.41)
Tin	ND(1.4)	ND(1.4)	4.0J*	11J*	9.3J*	ND(2.2)	ND(2.0)	ND(1.2)	ND(1.2)
Vanadium	8.0	6.0 J*	8.2	5.8J*	6.0J*	6.9	6.0	15.7	13.1
Zinc	58.4 est.	49.8 est.	60.5 est.	54 est.	41.9 est.	35.6 est.	41	82 est.	166 est.
Cyanide, Total	ND(3.0)	ND(3.0)	ND(2.8)	ND(2.9)	ND(3.2)	ND(3.4)	ND(0.5)	ND(2.5)	ND(2.5)
Sulfide	ND(241)	ND(242)	ND(226)	ND(235)	ND(255)	ND(269)	180	ND(203)	ND(202)

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TABLE 4-6
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GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF SOIL APPENDIX IX+3 METALS DATA
(Results Presented in Dry-Weight Parts Per Million, ppm)

Location ID:	LS-C-13	LS-C-18	LS-GWP-33	LS-GWP-34				
Depth (ft):	(0-0.5)	(0-0.5)	(0-0.5)	(0-0.5)				
Date:	08/30/95	08/30/95	08/30/95	08/30/95				
Aluminum	NA	NA	NA	NA [NA]				
Antimony	ND(1.6)	ND(1.5)	ND(1.5)	ND(1.5) [3.2 J*N]				
Arsenic	7.5 est.M	5.7 est.M	9.7 est.M	5.1 est.M [5.4 est.M]				
Barium	40.3	21.9	33.5	49.2 [47.8]				
Beryllium	0.2 J*	0.21 J*	0.27 J*	0.29 J* [0.28 J*]				
Cadmium	0.47 J*	ND(0.17)	ND(0.17)	0.51 J* [0.47 J*]				
Calcium	NA	NA	NA	NA [NA]				
Chromium	10.6	9.8	12.5	8.8 [8.8]				
Cobalt	8.8	11.4	7.8	7.6 [7.5]				
Copper	85.2 M	24 M	76.2 M	44.1 M [43.2 M]				
Iron	NA	NA	NA	NA [NA]				
Lead	117	12.6	72.2	108 [106]				
Magnesium	NA	NA	NA	NA [NA]				
Manganese	NA	NA	NA	NA [NA]				
Mercury	0.33 N	ND(0.1)	0.62 N	0.18 N [0.17 N]				
Nickel	19.1	17.5	15.1	15.1 [15.2]				
Potassium	NA	NA	NA	NA [NA]				
Selenium	1.2	0.96	1.0	1.2 [0.9]				
Silver	ND(0.29)	0.28 J*	ND(0.28)	ND(0.28) [ND(0.28)]				
Sodium	NA	NA	NA	NA [NA]				
Thallium	ND(0.44)	ND(0.41)	ND(0.42)	ND(0.43) [ND(0.43)]				
Tin	2.9 J*	ND(1.2)	ND(1.2)	ND(1.2) [ND(1.2)]				
Vanadium	19.1	8.3	16.1	18.8 [18.8]				
Zinc	177 est.	52 est.	109 est.	299 est. [300 est.]				
Cyanide, Total	ND(2.7)	ND(2.5)	ND(2.6)	ND(2.6) [ND(2.6)]				
Sulfide	264	ND(202)	ND(205)	296 [296]				

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GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF SOIL APPENDIX IX+3 METALS DATA
(Results Presented in Dry-Weight Parts Per Million, ppm)

NOTES:

1. Samples collected during 9/90 - 10/90 were collected by Geraghty & Miller, Inc., and submitted to IT Analytical Services for metals analysis.
2. Samples collected during 4/91 were collected by Geraghty & Miller, Inc., and submitted to CompuChem Environmental Services for metals analysis.
3. Samples collected during 10/94 were collected by Rust Environment & Infrastructure, Inc., and submitted to CompuChem Environmental Services for metals analysis.
4. Samples collected during 8/95 - 12/95 and 4/96 were collected by Blasland, Bouck & Lee, Inc., and submitted to Quanterra Environmental Services for metals analysis.
5. NA - Not analyzed.
6. ND(0.32) - Compound was analyzed for, but not detected. The number in parenthesis is the detection limit.
7. [ ] - Field duplicate analysis.
8. J* - Indicates value less than contract required detection limit but greater than instrument detection limit.
9. N - Spiked sample recovery not within control limits.
10. M - Duplicate analysis not within control limits.
11. est. = Estimated value due to interference.
12. * - Sample analytical results presented in November 29, 1994 letter report from RUST Environment & Infrastructure to Mr. John D. Ciampa presents compounds with concentrations above laboratory detection limits only. Data is not available for remaining compounds.

TABLE 5-1

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

SUMMARY OF BORINGS/MONITORING WELL DATA

WELL/BORING ID	GROUND SURFACE ELEVATION	TOC ELEVATION	DATE COMPLETED	WELL/BORING DEPTH (FT BGS)	ELEVATION BASE OF BORING	DEPTH TO SILT (FT BGS)	ELEVATION TOP OF SILT	DEPTH TO BASE OF FILL (FT BGS)	ELEVATION OF BASE OF FILL	SCREENED INTERVAL (FT BGS)	COMMENTS
LS-01	983.50E	NS	8/22/89	16.0	967.5	> 16.0	< 967.5	6.0	977.5	NA, water @ 12'	No sheen noted
LS-02	983.61	983.32	8/23/89	22.0	961.6	17.8	965.8	17.8	965.8	8' - 18', water @ 12'	10'-12' free oil; 10'-22' oil sheen
LS-03	983.82	NS	8/22/89	22.0	961.8	17.8E	966.0	6.0	977.8	NA, Water @ 12'	Oil sheen 12' - 18' oil odor 4'-16'
LS-04	984.66	984.51	8/25/89	22.0	962.7	19.5	965.2	12.0	972.7	9' - 19', water @ 12'?	DNAPL in well @ 17.4', w/ 0.6 ft NAPL, oil sheen/odor 12' - 22', free oil 16' - 22'
LS-05	985.30E	NS	8/24/89	18.0	967.3	> 18.0	< 967.3	14.0	971.3	NA, water @ 13'	Oil odor 8' - 14', no oil sheen
LS-06	984.00E	NS	8/24/89	16.0	968.0	> 16.0	< 968	0.5	983.5	NA, wet at 14'	No sheen noted
LS-07	983.32	NS	9/14/90	18.0	965.3	> 18.0	< 965.32	6.0	977.3	NA, water @ 14'	No sheen noted, slight oil odor 4' - 6' and 14' - 18'
LS-08	984.88	NS	9/17/90	24.0	960.9	22.0	962.88	12.0	972.9	NA, water @ 13'	Oil stain/sheen 8' - 12' saturated w/oil 12' - 22': 22' - 24' petroleum appearance and odor
LS-09	985.92	NS	9/17/90	20.0	965.9	> 20.0	< 965.92	16.0	969.9	NA, water @ 12'	Petrol. appearance/odor 12' - 20'
LS-10	985.38	985.26	9/19/90	24.0	961.4	18.0	967.38	6.0	979.4	8' - 23', water @ 10'	No sheen noted
LS-11	983.00	982.72	9/18/90	24.0	959.0	22.0E	961	16.0	967	9' - 24', water @ 12'	Petrol. appearance/sheen 8' - 18'
LS-12	982.58	985.49	9/20/90	26.0	956.6	> 26.0	< 956.58	8.0	974.58	7' - 22', water @ 10'	Oil sheen 6' - 8' and 18' - 24'
LS-13	985.06	984.65	9/21/90	26.0	959.1	20.0	965.06	14.0	971.1	10' -25', water @12'	Petroleum stained 2' - 12', 14' - 18'; petroleum odor 2' - 20'; petroleum saturated 12' - 14', 18' - 20'; free oil 14' - 16'; petroleum contamination 18' - 20'
LS-14	985.24E	NS	1/22/91	54.0	931.2	18.0	967.24	14.0	971.24	?-30', wet @ 13'	Silt poorly defined, base of boring maybe bdrx; oil sheen 12' - 17'; odor 14' - 17'
LS-15	985.17	NS	3/7/91	20.0	965.2	19.0	966.17	12.5		NA, wet 12' - 14'	Sheen 12' - 17.5'
LS-17	984.30	NS	3/7/91	20.0	964.3	18.0	966.3	15.0		NA, wet 12' - 14'	Oil stained/sheen 9' - 14'
LS-18	983.79	NS	3/8/91	20.0	963.8	17.0	966.79	10.4	973.4	NA, wet @ 10'	Oil stained 8' - 12'; sheen 12' - 16'
LS-19	985.78	NS	3/8/91	20.0	965.8	> 20.0	< 965.78	9.5	976.3	NA, wet @ 13.5	Sheen 1' - 4'
LS-20	985.78	985.64	3/11/91	19.0	966.8	18.5E	967.28	12.0	973.78	8' - 18', wet @ 16'?	No sheen noted
LS-21	983.94	983.42	3/11/91	19.0	964.9	16.5	967.44	10.0E	973.9	8' - 18', wet @ 10'	DNAPL @ 17.6 ft w/ 0.06 ft NAPL?; oil sheen and odor 10' - 16.5'
LS-22	985.20E	985.20	10/30/91	28.0	957.2	20.0	965.2	10.8	974.4	22.25'-27.5'	Petrol. Odor, 13.5-20.0' and @ 11.0'
LS-23	984.38E	984.38	10/30/91	16.0	968.4	> 16.0	< 968.4	> 16.0	< 968.4	10.0'-15.25', wet @ 12.6'	Free oil on spoon, 14' - 16'; oil sheen on surfaces 14' - 16'
LS-24	986.58E	986.58	11/1/91	22.0	964.6	> 22.0	< 964.6	12.2	974.4	10.45' - 21.90'	No sheen noted
LS-25	985.00E	985.75	10/31/91	43.0	942.0	18.3	966.7	10.8	974.2	36.8' - 41.8'	Rx @ 41.5' light oil sheens in some zones 16' - 18.3'
LS-26	987.40	NS	8/10/95	31.0	956.4	28.0	959.4	13.4	NA	NA	
LS-27	985.25	NS	8/11/95	20.0	965.3	18.9	966.35	12.0	NA	NA	
LS-28	983.60	986.06	8/14/95	24.0	959.6	23.3	960.3	NA	983.6	8.6'-23.6', wet @ 10.8'	No sheen noted
LS-29	988.32	990.63	8/8/95	35.0	953.3	34.0	954.32	14.9	973.4	24.6'-34.6', wet @ 16'	Sheens 30' - 35'; odor 30' - 35'
LS-30	984.17	986.44	8/14/95	20.0	964.2	18.6	965.57	12.0	972.2	8.6'-18.6'	Heavy sheens, product saturated, 12' - 18.6'
LS-31	984.86	987.09	8/15/95	22.0	962.9	20.0	964.86	14.0	970.9	10.6'-20.6'	Product saturated, 12' - 16.5'
LS-32	982.86	985.75	10/12/94	20.0	962.9	19.7	963.16	19.7	963.2	4.7'-19.7'	18' - 19.5' sheen; 14' - 19.5' odor
LS-33	983.40	986.42	10/12/94	18.0	965.4	17.6	965.8	17.6	965.8	7.6' - 17.6'	free oil 15.3' - 16.0'; oil sheen 14' - 17.6'; 12' - 14' slight odor
LS-34	983.00E	985.79	12/19/95	26.0	957.0	25.0	958	8.2	974.8	16.0-25.5', wet @ 14'	Sheen noticed 22' - 25'
LS-35	984.74	986.80	8/15/95	19.0	965.7	18.0	966.74	11.0	973.7	8.6'-18.6', wet @ 17.4'	Heavy odor, sheens 12' - 16'; slight sheen 16.6' - 17.5'
LS-36	988.37	990.07	8/7/95	30.0	958.4	> 30.0	< 958.37	12.6	975.8	12.6'-27.6', wet @ 12.5'	No sheens noted
LS-37	987.29	989.62	8/8/95	24.0	963.3	> 24.0	< 963.29	12.0	975.3	8.6'-23.6', wet @ 14.0'	No sheens noted
LS-38	984.70	986.95	8/14/95	24.0	960.7	22.6	962.1	14.0	970.7	12.6'-22.6'	Possible fill to 14.0'.
LS-39	985.30	NS	8/10/95	14.0	971.3	> 14.0	< 971.3	10.2	NA	NA	
LS-40	984.10	NS	8/10/95	12.0	972.1	> 12.0	< 972.1	NA	NA	NA	

TABLE 5-1

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

SUMMARY OF BORINGS/MONITORING WELL DATA

WELL/BORING ID	GROUND SURFACE ELEVATION	TOC ELEVATION	DATE COMPLETED	WELL/BORING DEPTH (FT BGS)	ELEVATION BASE OF BORING	DEPTH TO SILT (FT BGS)	ELEVATION TOP OF SILT	DEPTH TO BASE OF FILL (FT BGS)	ELEVATION OF BASE OF FILL	SCREENED INTERVAL (FT BGS)	COMMENTS
LS-41	983.86E	986.41	12/13/95	20.2	NS	19.0	NS	11.0	NS		LS41 – NAPL and sheens 11' – 19'
LS-42	982.82	NS	4/23/96	24.0	958.8	23.6	959.22	6.0	976.8	NA	No odor or sheen noted
LS-43	981.40	981.17	4/24/96	26.0	955.4	25.5	955.9	10.0	971.4	16.7'–26.2', wet @ 8'	23.6'–25.5' sheen and odor
LS-44	981.30	980.78	4/24/96	26.0	955.3	25.4	955.9	6.0	975.3	16.7'–26.2', wet @ 12'	No odor or sheen noted
LS-45	980.60	980.25	4/25/96	32.0	948.6	31.4	949.2	NA	NA	22.2'–31.7', wet @ 10'	0.6'–6' slight odor; 10'–16' strong odor
RW-01	984.88	984.82	04/5/91	21.0	963.9	18.0	966.9	16.0	968.9	8' – 18', wet @ 12'	No sheens noted
RW-02	986.00	985.92	11/05/92	22.0	964.0	20.5	965.5	12.0	974.0	11' – 21', wet @ 15'	Strong odor 18' – 20.5'
B-1 (A1)	987 E	NS	8/18/86	16.0	971.0	> 16.0	< 971	3.5	983.5	NA	
B-2 (A1)	986.5 E	NS	8/18/86	20.0	966.5	> 20.0	< 966.5	NA	NA	10' – 20', Temp Well	
B-3 (A1)	985.5 E	NS	8/19/86	20.0	965.5	> 20.0	< 965.5	NA	NA	15' – 20', Temp Well	
B-4 (A1)	985 E	NS	8/19/86	14.0	971.0	> 14.0	< 971	NA	NA	NA	
B-1 (A2)	985 E	NS	11/10/86	18.0	967.0	> 18.0	< 967	NA	NA	NA	
B-2 (A2)	983.7 E	NS	11/10/86	18.0	965.7	> 18.0	< 965.7	NA	NA	NA	
B-3 (A2)	983.5 E	NS	11/10/86	18.0	965.5	> 18.0	< 965.5	NA	NA	NA	
B-4 (A2)	983.6 E	NS	11/11/86	16.0	967.6	> 16.0	< 967.6	NA	NA	NA	
B-5 (A2)	983.8 E	NS	11/11/86	16.0	967.8	> 16.0	< 967.8	NA	NA	NA	
E-1	987.97	990.97	11/13/91	24	964.0	NA	NA	12	976.0	9'–24', wet @ 14'	Odor 14'–16'
E-2	NS	NS	3/25/91	22	NA	NA	NA	16	NA	NA, wet @ 14'	Oil and odor @ 19'
E-3	986.90	989.28	8/9/95	22	964.9	> 22	< 964.9	10	976.9	11.6'–21.6', wet @ 16'	No sheens noted
E-4	986.00	987.98	8/9/95	22	964	> 22	< 964	8.6	977.4	11.6'–21.6', wet @ 15.3'	No sheens noted
E-5	988.00	NS	8/10/95	18.0	970.0	> 22	< 970	14.6	973.4	NA, wet @10.0'	Boring
E-6	980.90	NS	8/16/95	10.0	970.9	> 18	< 977.6	NA	NA	NA, wet @ 6.0'	Boring
E-7	983.33	982.87	8/7/95	20	963.33	> 20	< 963.33	6	977.3	4.6'–19.6'	No sheens noted
E-8	988.00	NS	8/9/95	20.0	968.0	NA	NA	NA	NA	NA	
SB-1	987 E	NS	5/18/87	16.0	971.0	> 16.0	< 971	14.0	973	NA, water @ 10.2	No sheen noted
SB-2	987 E	NS	5/18/87	20.0	967.0	> 20.0	< 967	18.0	969	NA, water @ 11 '	Base of fill maybe @ 15', oil sheen @ 12' – 16'
SB-3	987.5 E	NS	5/18/87	20.0	967.5	> 20.0	< 967.5	18.0	969.5	NA, water @ 15.5'	Oil sheen at 12' – 16'
SB-4	989 E	NS	5/19/87	20.0	969.0	> 20.0	< 969	16.0	973	NA, water @ 13.2	Slight sheen at 14' – 16'
SB-5	985.5 E	NS	5/19/87	20.0	965.5	> 20.0	< 965.5	10.0	975.5	NA, water @ 11.5'	Oil sheen at 14' – '18
SB-6	987 E	NS	5/19/87	20.0	967.0	> 20.0	< 967	0.0 E	987	NA, water @ 13'	No fill or sheen noted
SB-7	985.3 E	NS	5/19/87	22.0	963.3	18.2	967.1	14.0	971.3	NA, water @ 11.7'	Oil sheens 10' – 14'; free oil 14' – 18'
P-1	976.60	978.31	08/04/92	9.0	967.6	NA	NA	NA	NA	3.5' – 8.5'	
P-2	974.20	976.20	08/04/92	6.5	967.7	NA	NA	NA	NA	1.0' – 6.0'	
P-3	978.60	980.31	08/04/92	11.0	967.6	NA	NA	NA	NA	4.5' – 10.5'	
P-4	976.30	977.14	11/17/92	7.3	969.0	NA	NA	NA	NA	2.7' – 6.9'	
P-5	975.40	980.27	11/17/92	6.8	968.6	NA	NA	NA	NA	2.1' – 6.3'	
P-6	977.80	980.98	10/11/94	10.3	967.5	NA	NA	NA	NA	5.29' – 10.29'	
P-7	975.70	978.38	10/11/94	7.2	968.5	NA	NA	NA	NA	2.22' – 7.22'	

Notes:

E = Estimated value.
NA = Not available.
NS = Surveyed elevation not available.

TABLE 5-2

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF GROUNDWATER PCB DATA
(Results Presented in Parts Per Million, ppm)

Location ID:	Date Sampled	Aroclor 1016, 1232, 1242, and/or 1248	Aroclor 1254	Aroclor 1260	Total Aroclors
E-1(unfiltered)	12/07/91	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)
E-1(filtered)	12/01/95	ND(0.0042)	0.0034	ND(0.00063)	0.0034
E-1(unfiltered)	12/01/95	ND(0.0054)	0.0052	ND(0.0014)	0.0052
E-3(filtered)	11/30/95	ND(0.0016)	0.0013	ND(0.0003)	0.0013
E-3(unfiltered)	11/30/95	ND(0.0021)	0.0021	ND(0.00064)	0.0021
E-4(filtered)	12/01/95	ND(0.00095)	0.00044	ND(0.000065)	0.00044
E-4(unfiltered)	12/01/95	ND(0.0026)	0.0028	ND(0.00095)	0.0028
E-7(filtered)	12/01/95	ND(0.00054)	0.00042	ND(0.000097)	0.00042
E-7(unfiltered)	12/01/95	ND(0.00043)	0.00033	ND(0.000073)	0.00033
LS-2(filtered)	08/89	ND(0.008)	0.8*	ND(0.03)	0.8*
LS-2(unfiltered)	09-10/90	ND(0.01**)	0.9	ND(0.1**)	0.9
LS-4(filtered)	08/89	ND(0.001)	0.018	ND(0.001)	0.018
LS-4(unfiltered)	09-10/90	ND(0.06**)	0.009*	ND(0.001)	0.009*
LS-10(unfiltered)	09-10/90	ND(0.0005)	0.0018	ND(0.001)	0.0018
LS-10(unfiltered)***	10/20-21/94	ND	0.0065*	ND	0.0065*
LS-10(filtered)	11/30/95	ND(0.0025)	0.0019	ND(0.0004)	0.0019
LS-10(unfiltered)	11/30/95	ND(0.0045)	0.0064	ND(0.0026)	0.0064
LS-11(unfiltered)	09-10/90	ND(0.001)	0.12D	ND(0.0021)	0.12D
LS-11(unfiltered)***	10/20-21/94	0.046*	0.1*	ND	0.146*
LS-11(filtered)	11/29/95	ND(0.0079)	0.0037	ND(0.00063)	0.0037
LS-11(unfiltered)	11/29/95	ND(0.072)	0.06	ND(0.02)	0.06
LS-12(unfiltered)	09-10/90	ND(0.01)	1.2D	ND(0.02)	1.2D
LS-12(unfiltered)***	10/20-21/94	ND	47*	4.6*	51.6*
LS-12(filtered)	11/29/95	ND(0.4)	0.42	ND(0.13)	0.42
LS-12(unfiltered)	11/29/95	ND(22)	25	ND(7.9)	25
LS-13(unfiltered)	09-10/90	ND(0.025)	2.1	ND(0.05)	2.1
LS-20(unfiltered)***	10/20-21/94	ND	0.018	ND	0.018
LS-20(filtered)	11/29/95	ND(0.0056)	0.0023	ND(0.00063)	0.0023
LS-20(unfiltered)	11/29/95	ND(0.078)	0.095	ND(0.042)	0.095
LS-22(unfiltered)***	10/20-21/94	ND	0.046	ND	0.046
LS-24(unfiltered)***	10/20-21/94	ND	0.018	ND	0.018
LS-24(filtered)	11/29/95	ND(0.0021)	0.0016	ND(0.00041)	0.0016
LS-24(unfiltered)	11/29/95	ND(0.0052)	0.0093	ND(0.005)	0.0093
LS-25(unfiltered)***	10/20-21/94	ND	0.0022*	ND	0.0022*
LS-25(filtered)	11/30/95	ND(0.0043)	0.0032	ND(0.00048)	0.0032
LS-25(unfiltered)	11/30/95	ND(0.0059)	0.0056	ND(0.0015)	0.0056
LS-28(filtered)	11/28/95	ND(0.0014)	0.00069	ND(0.00069)	0.00069
LS-28(unfiltered)	11/28/95	ND(0.0018)	0.0013	ND(0.00029)	0.0013
LS-29(filtered)	11/30/95	ND(0.013)	0.0081	ND(0.0014)	0.0081
LS-29(unfiltered)	11/30/95	ND(0.016)	0.017	ND(0.0062)	0.017
LS-32(unfiltered)***	10/20-21/94	ND ND	0.11* [0.087*]	0.022* [0.011]	0.132* [0.098*]
LS-33(unfiltered)***	10/20-21/94	ND	21*	3*	24*
LS-34(filtered)	12/28/95	ND(0.045)	0.03	ND(0.0048)	0.03
LS-34(unfiltered)	12/28/95	ND(28)	32	ND(10)	32
LS-36(filtered)	11/29/95	ND(0.0004)	0.00021	ND(0.000065)	0.00021
LS-36(unfiltered)	11/29/95	ND(0.0019)	0.0018	ND(0.00061)	0.0018
LS-37(filtered)	11/28/95	ND(0.00026) [ND(0.00048)]	ND(0.000099) [ND(0.00022)]	ND(0.000065) [ND(0.00009)]	ND(0.00026) [ND(0.00048)]
LS-37(unfiltered)	11/28/95	ND(0.00041) [ND(0.0012)]	0.00011 [0.0004]	ND(0.000065) [ND(0.00023)]	0.00011 [0.0004]
WP-6 (unfiltered)	11/15/88	ND(0.0125)**	ND(0.0093)*	0.023	0.023

(See Notes Page 2 of 2)

TABLE 5-2

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF GROUNDWATER PCB DATA
(Results Presented in Parts Per Million, ppm)

NOTES:

1. Samples collected during 8/89 and 9/90 - 10/90 were collected by Geraghty & Miller, Inc., and submitted to IT Analytical Services for PCB analysis.
2. Samples collected during 10/94 were collected by Rust Environment & Infrastructure, Inc., and submitted to Quanterra Environmental Services for PCB analysis. Sample results in parenthesis were submitted to CompuChem Environmental Services for PCB analysis.
3. Samples collected during 8/95 - 12/95 were collected by Blasland, Bouck & Lee, Inc., and submitted to Quanterra Environmental Services for PCB analysis.
4. -- = Data not reported by laboratory.
5. ND(0.32) - Compound was analyzed for, but not detected. The number in parenthesis is the detection limit.
6. [ ] - Field duplicate analysis.
7. * - Sample exhibits alteration of standard Aroclor pattern.
8. * * - Higher detection limit due to interference.
9. D - Analysis was performed at a secondary dilution factor.
10. *** - Sample analytical results presented in November 29, 1994 letter report from RUST Environmen to Mr. John D. Ciampa presents compounds with concentrations above laboratory detection limits on Data is not currently available for remaining compounds.

TABLE 5-3

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF GROUNDWATER APPENDIX IX+3 PESTICIDES/HERBICIDES DATA
(Results Presented in Parts Per Million. ppm)

Location ID:	E-1	E-3	E-4	E-7	LS-2	LS-4	LS-10	LS-10
Date:	12/01/95	11/30/95	12/01/95	12/01/95	09-10/90	09-10/90	09-10/90	11/30/95
Aldrin	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.01)**	ND(0.0005)	ND(0.00005)	ND(0.00005)
Alpha-BHC	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.0005)	ND(0.0005)	ND(0.00005)	ND(0.00005)
Beta-BHC	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.0006)**	ND(0.004)**	ND(0.00005)	ND(0.00005)
Delta-BHC	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.0005)	ND(0.0005)	ND(0.00005)	ND(0.00005)
Lindane	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.0007)**	ND(0.0005)	ND(0.00005)	ND(0.00005)
Chlordane	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.06)	ND(0.001)	ND(0.0005)	ND(0.00005)
4,4'-DDD	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.03)**	ND(0.0005)	ND(0.0001)	ND(0.0001)
4,4'-DDE	0.00012	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.004)	ND(0.0005)	ND(0.0001)	ND(0.0001)
4,4'-DDT	ND(0.00005)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.03)**	ND(0.0005)	ND(0.0001)	ND(0.0001)
Dieldrin	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.01)	ND(0.0005)	ND(0.0001)	ND(0.00005)
Endosulfan I	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.03)**	ND(0.0005)	ND(0.00005)	ND(0.00005)
Endosulfan II	ND(0.00005)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.03)**	ND(0.0005)	ND(0.0001)	ND(0.0001)
Endosulfan Sulfate	ND(0.00005)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.02)**	ND(0.0005)	ND(0.0001)	ND(0.0001)
Endrin	ND(0.00005)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.03)**	ND(0.0005)	ND(0.0001)	ND(0.0001)
Endrin Aldehyde	ND(0.00005)	ND(0.0001)	ND(0.0001)	ND(0.0001)	ND(0.002)**	ND(0.001)	ND(0.0001)	ND(0.0001)
Heptachlor	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.0005)	ND(0.001)	ND(0.00005)	ND(0.00005)
Heptachlor Epoxide	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.00005)	ND(0.01)	ND(0.0005)	ND(0.00005)	ND(0.00005)
Kepone	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.08)**	ND(0.0005)	ND(0.0001)	ND(0.001)
Methoxychlor	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.0005)	ND(0.02)**	ND(0.001)	ND(0.0005)	ND(0.00005)
Toxaphene	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.001)	ND(0.008)**	ND(0.001)	ND(0.001)	ND(0.001)
Dinoseb	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.01)

(See Notes on Page 3 of 3)

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TABLE 5-3
(Cont'd)

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF GROUNDWATER APPENDIX IX+3 PESTICIDES/HERBICIDES DATA
(Results Presented in Parts Per Million, ppm)

Location ID:	LS-11	LS-11	LS-12	LS-12	LS-13	LS-20	LS-24	LS-25
Date:	09-10/90	11/29/95	09-10/90	11/29/95	09-10/90	11/29/95	11/29/95	11/30/95
Aldrin	0.0013D	ND(0.0005)	ND(0.001)	ND(0.05)	ND(0.0025)	ND(0.0005)	ND(0.0005)	ND(0.00005)
Alpha-BHC	ND(0.001)	ND(0.0005)	ND(0.001)	ND(0.05)	ND(0.0025)	ND(0.0005)	ND(0.0005)	ND(0.00005)
Beta-BHC	0.0004D	ND(0.0005)	ND(0.001)	ND(0.05)	ND(0.0025)	ND(0.0005)	ND(0.0005)	ND(0.00005)
Delta-BHC	ND(0.0001)	ND(0.0005)	ND(0.001)	ND(0.05)	ND(0.0025)	ND(0.0005)	ND(0.0005)	ND(0.00005)
Lindane	ND(0.0001)	ND(0.0005)	ND(0.001)	ND(0.05)	ND(0.0025)	ND(0.0005)	ND(0.0005)	ND(0.00005)
Chlordane	ND(0.001)	ND(0.0005)	ND(0.01)	ND(0.05)	ND(0.025)	ND(0.0005)	ND(0.0005)	ND(0.00005)
4,4'-DDD	ND(0.00021)	ND(0.001)	ND(0.002)	ND(0.10)	ND(0.005)	ND(0.001)	ND(0.0001)	ND(0.0001)
4,4'-DDE	ND(0.00021)	0.0017	ND(0.002)	0.26	ND(0.005)	ND(0.001)	ND(0.0001)	ND(0.0001)
4,4'-DDT	ND(0.00021)	ND(0.001)	ND(0.002)	0.11	ND(0.005)	ND(0.001)	ND(0.0001)	ND(0.0001)
Dieldrin	ND(0.00021)	ND(0.0005)	ND(0.002)	ND(0.05)	ND(0.005)	ND(0.0005)	ND(0.00005)	ND(0.00005)
Endosulfan I	ND(0.0001)	ND(0.0005)	0.011D	ND(0.05)	ND(0.0025)	ND(0.0005)	ND(0.00005)	ND(0.00005)
Endosulfan II	ND(0.00021)	ND(0.001)	ND(0.002)	ND(0.1)	ND(0.005)	ND(0.0010)	ND(0.0001)	ND(0.0001)
Endosulfan Sulfate	ND(0.00021)	ND(0.001)	ND(0.002)	ND(0.1)	ND(0.005)	ND(0.0010)	ND(0.0001)	ND(0.0001)
Endrin	ND(0.00021)	ND(0.001)	ND(0.002)	ND(0.1)	ND(0.005)	ND(0.0010)	ND(0.0001)	ND(0.0001)
Endrin Aldehyde	ND(0.00021)	0.001	NA	ND(0.1)	NA	ND(0.0010)	ND(0.0001)	ND(0.0001)
Heptachlor	ND(0.0001)	ND(0.0005)	ND(0.001)	ND(0.05)	ND(0.0025)	ND(0.0005)	ND(0.00005)	ND(0.00005)
Heptachlor Epoxide	ND(0.0001)	0.0011	ND(0.001)	ND(0.05)	ND(0.0025)	ND(0.0005)	0.000054	ND(0.00005)
Kepone	ND(0.00021)	ND(0.01)	NA	ND(1.0)	NA	ND(0.010)	ND(0.0005)	ND(0.001)
Methoxychlor	ND(0.001)	ND(0.005)	ND(0.01)	ND(0.5)	ND(0.025)	ND(0.005)	ND(0.001)	ND(0.00005)
Toxaphene	ND(0.00021)	ND(0.01)	ND(0.02)	ND(1.0)	ND(0.05)	ND(0.010)	ND(0.001)	ND(0.001)
Dinoseb	ND(0.02)	ND(0.01)	NA	ND(0.3)	NA	ND(0.050)	ND(0.01)	ND(0.01)

(See Notes on Page 3 of 3)

TABLE 5-3
(Cont'd)

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF GROUNDWATER APPENDIX IX+3 PESTICIDES/HERBICIDES DATA
(Results Presented in Parts Per Million. ppm)

Location ID:	LS-28	LS-29	LS-34	LS-36	LS-37		WP-6	
Date:	11/28/95	11/30/95	12/28/95	11/29/95	11/28/95		11/15/88	
Aldrin	ND(0.00005)	ND(0.00025)	ND(0.05)	ND(0.00005)	ND(0.00005)	[ND(0.00005)]	ND(0.0019)**	
Alpha-BHC	ND(0.00005)	ND(0.00025)	ND(0.05)	ND(0.00005)	ND(0.00005)	[ND(0.00005)]	ND(0.0005)	
Beta-BHC	ND(0.00005)	ND(0.00025)	ND(0.05)	ND(0.00005)	ND(0.00005)	[ND(0.00005)]	ND(0.0032)**	
Delta-BHC	ND(0.00005)	ND(0.00025)	ND(0.05)	ND(0.00005)	ND(0.00005)	[ND(0.00005)]	ND(0.0006)**	
Lindane	ND(0.00005)	ND(0.00025)	ND(0.05)	ND(0.00005)	ND(0.00005)	[ND(0.00005)]	ND(0.0005)	
Chlordane	ND(0.00005)	ND(0.00025)	ND(0.05)	ND(0.00005)	ND(0.00005)	[ND(0.00005)]	ND(0.0077)**	
4,4'-DDD	ND(0.0001)	ND(0.0005)	ND(0.1)	ND(0.0001)	ND(0.0001)	[ND(0.0001)]	ND(0.0005)	
4,4'-DDE	ND(0.0001)	0.00092	0.18	ND(0.0001)	ND(0.0001)	[ND(0.0001)]	ND(0.0008)**	
4,4'-DDT	ND(0.0001)	ND(0.0005)	ND(0.1)	ND(0.0001)	ND(0.0001)	[ND(0.0001)]	ND(0.0025)**	
Dieldrin	ND(0.00005)	ND(0.00025)	ND(0.05)	ND(0.00005)	ND(0.00005)	[ND(0.00005)]	ND(.0005)	
Endosulfan I	ND(0.00005)	ND(0.00025)	ND(0.05)	ND(0.00005)	ND(0.00005)	[ND(0.00005)]	ND(0.0007)**	
Endosulfan II	ND(0.0001)	ND(0.0005)	ND(0.1)	ND(0.0001)	ND(0.0001)	[ND(0.0001)]	ND(0.0012)**	
Endosulfan Sulfate	ND(0.0001)	ND(0.0005)	ND(0.1)	ND(0.0001)	ND(0.0001)	[ND(0.0001)]	ND(0.0012)**	
Endrin	ND(0.0001)	ND(0.0005)	ND(0.1)	ND(0.0001)	ND(0.0001)	[ND(0.0001)]	ND(0.0027)**	
Endrin Aldehyde	ND(0.0001)	ND(0.0005)	ND(0.1)	ND(0.0001)	ND(0.0001)	[ND(0.0001)]	ND(0.0029)**	
Heptachlor	ND(0.00005)	ND(0.00025)	ND(0.05)	ND(0.00005)	ND(0.00005)	[ND(0.00005)]	ND(0.0014)**	
Heptachlor Epoxide	ND(0.00005)	ND(0.00025)	0.096	ND(0.00005)	ND(0.00005)	[ND(0.00005)]	ND(0.0006)**	
Kepone	ND(0.001)	ND(0.005)	ND(1.0)	ND(0.001)	ND(0.001)	[ND(0.001)]	NA	
Methoxychlor	ND(0.0005)	ND(0.0025)	ND(0.5)	ND(0.0005)	ND(0.0005)	[ND(0.0005)]	NA	
Toxaphene	ND(0.001)	ND(0.005)	ND(1.0)	ND(0.001)	ND(0.001)	[ND(0.001)]	ND(0.0074)**	
Dinoseb	ND(0.01)	ND(0.01)	ND(0.2)	ND(0.01)	ND(0.01)	[ND(0.01)]	NA	

NOTES:

1. Samples collected during 9/90 - 10/90 were collected by Geraghty & Miller, Inc., and submitted to IT Analytical Services for pesticide/herbicide analysis.
2. Samples collected during 8/95 - 12/95 were collected by Blasland, Bouck & Lee, Inc., and submitted to Quanterra Environmental Services for pesticide/herbicide analysis.
3. NA - Not analyzed.
4. ND(0.32) - Compound was analyzed for, but not detected. The number in parenthesis is the detection limit.
5. [ ] - Field duplicate analysis.
6. ** - Higher detection limit due to interference.
7. D - Analysis was performed at a secondary dilution factor.
8. * - Sample analytical results presented in November 29, 1994 letter report from RUST Environment & Infrastructure to Mr. John D. Ciampa presents compounds with concentrations above laboratory detection limits only. Data is not currently available for remaining compounds.

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TABLE 5-4

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF GROUNDWATER APPENDIX IX+3 VOLATILES DATA
(Results Presented in Parts Per Million, ppm)

Location ID:	B-2(Lot 1)	B-3(Lot 1)	B-2(Lot 2)	B-5(Lot 2)	E-1	E-1	E-3	E-4	E-7
Date:	09/86	09/86	11/86	11/86	12/91	12/01/95	11/30/95	12/01/95	12/01/95
Acetone	--	--	ND(0.05)	ND(0.05)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Benzene	ND	ND	ND(0.002)	ND(0.002)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Bromoform	ND	ND	ND(0.002)	ND(0.002)	ND(0.01)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
1,1-Dichloroethene	ND	ND	ND(0.002)	ND(0.002)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Cis 1,2-Dichloroethene	--	--	--	--	--	ND(0.005)	0.001 J	0.004 J	ND(0.005)
trans- 1,2-Dichloroethene	ND	ND	ND(0.002)	ND(0.002)	--	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
1,2-Dichloroethene (total)	--	--	--	--	ND(0.005)	--	--	--	--
Carbon Disulfide	--	--	ND(0.002)	ND(0.002)	0.001J	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Chlorobenzene	ND	ND	ND(0.002)	ND(0.002)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Chloroform	<0.01	<0.01	ND(0.002)	ND(0.002)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Chloromethane	ND	ND	ND(0.005)	ND(0.005)	ND(0.01)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Carbon Tetrachloride	ND	ND	ND(0.002)	ND(0.002)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
1,1-Dichloroethane	ND	ND	ND(0.002)	ND(0.002)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
1,2-Dichloroethane	ND	ND	ND(0.002)	ND(0.002)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Ethylbenzene	ND	ND	ND(0.002)	ND(0.002)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
2-Hexanone	--	--	ND(0.01)	ND(0.01)	ND(0.015)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)
Methylene Chloride	ND	ND	ND(0.01)	ND(0.01)	0.004BJ	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
1,1,1-Trichloroethane	<0.01	<0.1	0.0023	0.0022	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Trichloroethene	ND	ND	ND(0.002)	ND(0.002)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Toluene	ND	ND	ND(0.002)	0.0027	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Tetrachloroethene	0.024	0.027	0.023	0.016	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Vinyl Chloride	ND	ND	ND(0.005)	ND(0.005)	ND(0.01)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)
Xylene	--	--	ND(0.002)	ND(0.002)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)

(See Notes on Page 6 of 6)

TABLE 5-4

(Cont'd)

GENERAL ELECTRIC COMPANY

PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR

LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF GROUNDWATER APPENDIX IX+3 VOLATILES DATA

(Results Presented in Parts Per Million, ppm)

Location ID:	LS-2	LS-2	LS-4	LS-4	LS-10	LS-10*	LS-10	LS-11	LS-11*
Date:	8/89	09-10/90	8/89	09-10/90	09-10/90	10/20-21/94	11/30/95	09-10/90	10/20-21/94
Acetone	--	ND(2.0)	--	ND(0.1)	ND(0.01)	ND	ND(0.01)	ND(0.01)	ND
Benzene	0.34	0.27J	ND(0.5)	0.081	ND(0.005)	ND	ND(0.005)	0.082	0.016
Bromoform	ND(0.25)	ND(1.0)	ND(0.5)	ND(0.05)	ND(0.005)		ND(0.005)	ND(0.005)	
1,1-Dichloroethene	ND(0.25)	ND(1.0)	ND(0.5)	ND(0.05)	ND(0.005)	ND	ND(0.005)	ND(0.005)	ND
Cis 1,2-Dichloroethene	--	--	--	--	--		ND(0.005)	--	
trans-1,2-Dichloroethene	ND(0.25)	ND(1.0)	ND(0.5)	ND(0.05)	ND(0.005)	ND	ND(0.005)	--	ND
1,2-Dichloroethene (total)	--	--	--	--	--	ND	--	--	ND
Carbon Disulfide	--	ND(1.0)	--	0.031J	ND(0.005)		ND(0.005)	ND(0.005)	
Chlorobenzene	2.5	14	0.67	0.88	ND(0.005)	ND	ND(0.005)	2.6D	0.33D
Chloroform	ND(0.25)	ND(1.0)	0.17J	0.18	ND(0.005)	ND	ND(0.005)	ND(0.005)	ND
Chloromethane	ND(0.5)	ND(2.0)	ND(1.0)	ND(0.1)	ND(0.01)	ND	ND(0.005)	ND(0.01)	ND
Carbon Tetrachloride	ND(0.25)	ND(1.0)	4.0	1.9	ND(0.005)	ND	ND(0.005)	ND(0.005)	ND
1,1-Dichloroethane	ND(0.25)	ND(1.0)	ND(0.5)	ND(0.05)	ND(0.005)		ND(0.005)	ND(0.005)	
1,2-Dichloroethane	ND(0.25)	ND(1.0)	ND(0.5)	ND(0.05)	ND(0.005)	ND	ND(0.005)	ND(0.005)	ND
Ethylbenzene	ND(0.25)	0.89J	ND(0.5)	0.11	ND(0.005)	ND	ND(0.005)	0.078	0.005
2-Hexanone	--	ND(2.0)	--	ND(0.1)	ND(0.01)		ND(0.01)	ND(0.01)	
Methylene Chloride	ND(0.25)	0.31J	ND(0.5)	0.014J	ND(0.005)	ND	ND(0.005)	ND(0.005)	ND
1,1,1-Trichloroethane	ND(0.25)	ND(1.0)	ND(0.5)	ND(0.05)	0.004J	0.003J	0.001J	ND(0.005)	ND
Trichloroethene	ND(0.25)	ND(1.0)	0.49J	0.33	ND(0.005)	ND	ND(0.005)	0.014	ND
Toluene	0.057J	ND(1.0)	0.11J	ND(0.06)	ND(0.005)	ND	ND(0.005)	0.003J	ND
Tetrachloroethene	ND(0.25)	ND(1.0)	ND(0.5)	ND(0.05)	0.018	0.015	0.014	ND(0.005)	ND
Vinyl Chloride	ND(0.5)	ND(2.0)	ND(1.0)	ND(0.1)	ND(0.01)	ND	ND(0.005)	ND(0.01)	ND
Xylene	--	7.8	--	1.8	ND(0.005)	ND	ND(0.005)	0.12	0.008

(See Notes on Page 6 of 6)

TABLE 5-4
(Cont'd)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF GROUNDWATER APPENDIX IX+3 VOLATILES DATA
(Results Presented in Parts Per Million, ppm)

Location ID:	LS-11	LS-12	LS-12*	LS-12	LS-13	LS-20*	LS-20	LS-22*	LS-24*
Date:	11/29/95	09-10/90	10/20-21/94	11/29/95	09-10/90	10/20-21/94	11/29/95	10/20-21/94	10/20-21/94
Acetone	0.13 B	ND(0.02)	ND	ND(0.01)	0.025	ND	ND(0.01)	0.006J	ND
Benzene	0.038 J	ND(0.01)	ND	ND(0.005)	0.03	0.19	0.094	ND	ND
Bromoform	ND(0.05)	ND(0.01)		ND(0.005)	ND(0.013)		ND(0.005)		
1,1-Dichloroethene	ND(0.05)	ND(0.01)	ND	ND(0.005)	ND(0.013)	ND	ND(0.005)	ND	ND
Cis 1,2-Dichloroethene	ND(0.05)	--		ND(0.005)	--		ND(0.005)		
trans- 1,2-Dichloroethene	ND(0.05)	--	ND	ND(0.005)	--	ND	ND(0.005)	ND	ND
1,2-Dichloroethene (total)	--	ND(0.01)	ND	--	ND(0.013)	ND	--	ND	ND
Carbon Disulfide	ND(0.05)	ND(0.01)		ND(0.005)	ND(0.013)		ND(0.005)		
Chlorobenzene	1.5	0.035	0.005	0.014	0.4	0.11	0.076	ND	ND
Chloroform	ND(0.05)	0.038	0.037	0.057	ND(0.013)	ND	ND(0.005)	ND	ND
Chloromethane	ND(0.05)	ND(0.02)	ND	ND(0.005)	ND(0.025)	ND	ND(0.005)	ND	ND
Carbon Tetrachloride	ND(0.05)	0.15	0.07	0.077	ND(0.013)	ND	ND(0.005)	ND	ND
1,1-Dichloroethane	ND(0.05)	ND(0.01)		ND(0.005)	ND(0.013)		ND(0.005)		
1,2-Dichloroethane	ND(0.05)	ND(0.01)	ND	ND(0.005)	ND(0.013)	ND	ND(0.005)	ND	ND
Ethylbenzene	ND(0.05)	ND(0.01)	0.002J	ND(0.005)	0.036	0.11	0.08	ND	ND
2-Hexanone	ND(0.1)	ND(0.02)		ND(0.01)	ND(0.025)		ND(0.01)		
Methylene Chloride	ND(0.05)	ND(0.01)	ND	ND(0.005)	ND(0.013)	ND	ND(0.005)	ND	ND
1,1,1-Trichloroethane	ND(0.05)	ND(0.01)	ND	ND(0.005)	ND(0.013)	ND	ND(0.005)	ND	0.002J
Trichloroethene	0.012 J	0.32	0.093	0.2E	ND(0.013)	ND	ND(0.005)	ND	ND
Toluene	ND(0.05)	ND(0.01)	ND	ND(0.005)	ND(0.013)	0.002J	ND(0.005)	ND	ND
Tetrachloroethene	ND(0.05)	0.01	0.006	0.005	0.005J	ND	ND(0.005)	ND	0.005J
Vinyl Chloride	ND(0.05)	ND(0.02)	ND	ND(0.005)	ND(0.025)	ND	ND(0.005)	ND	ND
Xylene	ND(0.05)	0.054	0.045	0.02	0.26	0.057	0.037	ND	ND

(See notes on Page 6 of 6)

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TABLE 5-4
(Cont'd)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF GROUNDWATER APPENDIX IX+3 VOLATILES DATA
(Results Presented in Parts Per Million, ppm)

Location ID:	LS-24	LS-25*	LS-25	LS-28	LS-29	LS-32*	LS-33*	LS-34
Date:	11/29/95	10/20-21/94	11/30/95	11/28/95	11/30/95	10/20-21/94	10/20-21/94	12/28/95
Acetone	ND(0.01)	ND	ND(0.01)	ND(0.01)	ND(0.01)	ND ND	ND	ND(0.05)
Benzene	ND(0.005)	ND	ND(0.005)	ND(0.005)	ND(0.005)	0.2 [0.190D]	1.5	ND(0.025)
Bromoform	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.005)			ND(0.025)
1,1-Dichloroethene	ND(0.005)	ND	ND(0.005)	ND(0.005)	ND(0.005)	0.001J [0.001J]	ND	ND(0.025)
Cis 1,2-Dichloroethene	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.005)			ND(0.025)
trans- 1,2-Dichloroethene	ND(0.005)	ND	ND(0.005)	ND(0.005)	ND(0.005)	0.002J [0.002J]	ND	ND(0.025)
1,2-Dichloroethene (total)	--	ND	--	--	--	0.550D [0.520D]	ND	--
Carbon Disulfide	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.005)		ND	ND(0.025)
Chlorobenzene	ND(0.005)	0.001J	ND(0.005)	ND(0.005)	ND(0.005)	2.50D [2.70D]	6.50D	ND(0.025)
Chloroform	ND(0.005)	ND	ND(0.005)	ND(0.005)	ND(0.005)	0.029 [0.013]	ND	0.056
Chloromethane	ND(0.005)	ND	ND(0.005)	ND(0.005)	ND(0.005)	ND ND	ND	ND(0.025)
Carbon Tetrachloride	ND(0.005)	ND	ND(0.005)	ND(0.005)	ND(0.005)	0.004J [0.002J]	ND	0.42
1,1-Dichloroethane	ND(0.005)		ND(0.005)	ND(0.005)	ND(0.005)			ND(0.025)
1,2-Dichloroethane	ND(0.005)	ND	ND(0.005)	ND(0.005)	ND(0.005)	ND ND	ND	ND(0.025)
Ethylbenzene	ND(0.005)	ND	ND(0.005)	ND(0.005)	ND(0.005)	0.14 [0.15]	0.13	ND(0.025)
2-Hexanone	ND(0.01)		ND(0.01)	ND(0.01)	ND(0.01)			ND(0.05)
Methylene Chloride	ND(0.005)	ND	ND(0.005)	ND(0.005)	ND(0.005)	ND ND	ND	ND(0.025)
1,1,1-Trichloroethane	ND(0.005)	ND	ND(0.005)	0.002 J	ND(0.005)	ND ND	ND	ND(0.025)
Trichloroethene	ND(0.005)	ND	ND(0.005)	ND(0.005)	ND(0.005)	0.035 [0.025]	ND	0.54
Toluene	ND(0.005)	ND	ND(0.005)	ND(0.005)	ND(0.005)	0.074 [0.080]	0.014J	ND(0.025)
Tetrachloroethene	ND(0.005)	ND	ND(0.005)	0.023	0.003J	ND ND	ND	0.019 J
Vinyl Chloride	ND(0.005)	ND	ND(0.005)	ND(0.005)	ND(0.005)	0.270D [0.240D]	ND	ND(0.025)
Xylene	ND(0.005)	ND	ND(0.005)	ND(0.005)	ND(0.005)	0.94D [1.0D]	0.64	0.066

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TABLE 5-4
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GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF GROUNDWATER APPENDIX IX+3 VOLATILES DATA
(Results Presented in Parts Per Million, ppm)

Location ID:	LS-36	LS-37	WP-8					
Date:	11/29/95	11/28/95	11/88					
Acetone	ND(0.01)	0.002BJ [ND(0.01)]	--					
Benzene	0.001 J	0.019 [0.018]	0.36					
Bromoform	0.001J	ND(0.005) [ND(0.005)]	ND(0.005)					
1,1-Dichloroethene	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)					
Cis 1,2-Dichloroethene	0.002J	ND(0.005) [ND(0.005)]	--					
trans- 1,2-Dichloroethene	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)					
1,2-Dichloroethene (total)	--	-- --	--					
Carbon Disulfide	ND(0.005)	ND(0.005) [ND(0.005)]	--					
Chlorobenzene	ND(0.005)	0.001J [0.002J]	2.4					
Chloroform	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)					
Chloromethane	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.01)					
Carbon Tetrachloride	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)					
1,1-Dichloroethane	0.001 J	ND(0.005) [ND(0.005)]	ND(0.005)					
1,2-Dichloroethane	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)					
Ethylbenzene	ND(0.005)	ND(0.005) [ND(0.005)]	0.01					
2-Hexanone	ND(0.01)	ND(0.01) [ND(0.01)]	--					
Methylene Chloride	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)					
1,1,1-Trichloroethane	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)					
Trichloroethene	0.003J	ND(0.005) [ND(0.005)]	ND(0.005)					
Toluene	ND(0.005)	ND(0.005) [ND(0.005)]	<0.005					
Tetrachloroethene	0.002J	ND(0.005) [ND(0.005)]	ND(0.005)					
Vinyl Chloride	0.001J	ND(0.005) [ND(0.005)]	ND(0.01)					
Xylene	ND(0.005)	ND(0.005) [ND(0.005)]	--					

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TABLE 5-4
(Cont'd)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF GROUNDWATER APPENDIX IX+3 VOLATILES DATA
(Results Presented in Parts Per Million, ppm)

NOTES:

1. Samples collected during 11/86 were collected by Geraghty & Miller, Inc., and submitted to ENESECO Incorporated for VOC analysis.
2. Samples collected during 8/89, 9/90 - 10/90 were collected by Geraghty & Miller, Inc., and submitted to IT Analytical Services for VOC analysis.
3. Samples collected during 12/91 were collected by Geraghty & Miller, Inc., and submitted to CompuChem Environmental Services for VOC analysis.
4. Samples collected during 10/94 were collected by Rust Environment & Infrastructure, Inc., and submitted to Quanterra Environmental Services for VOC analysis.
5. Samples collected during 8/95 - 12/95 were collected by Blasland, Bouck & Lee, Inc., and submitted to Quanterra Environmental Services for VOC analysis.
6. -- = Data not reported by laboratory.
7. NA - Not analyzed.
8. ND(0.32) - Compound was analyzed for, but not detected. The number in parenthesis is the detection limit.
9. [ ] - Field duplicate analysis.
10. J - Indicates an estimated value less than the CLP - required quantitation limit.
11. D - Analysis was performed at a secondary dilution factor.
12. B - Indicates the compound was found in the associated blank as well as in the sample.
13. * - Sample analytical results presented in November 29, 1994 letter report from RUST Environment & Infrastructure to Mr. John D. Ciampa presents compounds with concentrations above laboratory detection limits only. Data is not currently available for remaining compounds.

TABLE 5-5

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF GROUNDWATER APPENDIX IX+3 SEMIVOLATILES DATA
(Results Presented in Parts Per Million, ppm)

Location ID:	E-1	E-1	E-3	E-4	E-7	LS-2	LS-2
Date:	12/91	12/01/95	11/30/95	12/01/95	12/01/95	8/89	09-10/90
Acetophenone	ND(0.012)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	--	0.003J
Acenaphthene	ND(0.012)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	1.2D	0.014
Acenaphthylene	ND(0.012)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.075	0.003J
Anthracene	ND(0.012)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.3	0.003J
Benzo(b)Fluoranthene	ND(0.012)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.14	ND(0.01)
Benzo(k)Fluoranthene	ND(0.012)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.027)	ND(0.01)
Butyl Benzyl Phthalate	ND(0.012)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.48	ND(0.01)
Benzo(a)Anthracene	ND(0.012)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.28	ND(0.01)
Dibenzofuran	ND(0.012)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	--	ND(0.01)
Benzyl Alcohol	ND(0.012)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	--	0.004J
Benzo(ghi)Perylene	ND(0.012)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.027)	ND(0.01)
Benzo(a)Pyrene	ND(0.012)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.11	ND(0.01)
Benzoic Acid	ND(0.12)	--	--	--	--	--	--
Chrysene	ND(0.012)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.12	ND(0.01)
1,2,4-Trichlorobenzene	ND(0.012)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.58	0.059
2-Chlorophenol	ND(0.012)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND	ND(0.01)
Bis(2-Ethylhexyl)Phthalate	ND(0.012)	ND(0.01)	ND(0.01)	0.0010 J	ND(0.01)	0.021J	ND(0.01)
Di-n-octylphthalate	ND(0.012)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.027)	ND(0.01)
Fluoranthene	ND(0.012)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.19	0.003J
Fluorene	ND(0.012)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.64	0.011
Hexachloroethane	ND(0.012)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.027)	ND(0.01)
Indeno(1,2,3-Cd)Pyrene	ND(0.012)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.027)	ND(0.01)
1,3-Dichlorobenzene	ND(0.012)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.24	0.11
2-Methylnaphthalene	ND(0.012)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	--	0.04
Naphthalene	ND(0.012)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	2.4D	0.16
2,4-Dinitrotoluene	ND(0.012)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.027)	ND(0.01)
1,2-Dichlorobenzene	ND(0.012)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.047	0.011
1,4-Dichlorobenzene	ND(0.012)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	1.5D	0.42D
Phenanthrene	0.002J	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	2.3D	0.015
Phenol	0.001J	0.009 J	ND(0.01)	ND(0.01)	ND(0.01)	--	0.003J
Phenols(total)	0.013	NA	NA	NA	NA	NA	NA
Pyrene	ND(0.012)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	0.82D	0.005J
3-Nitroaniline	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	ND(0.025)	--	ND(0.05)
1,2,4,5-Tetrachlorobenzene	ND(0.012)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	--	ND(0.01)
2-MethylPhenol	ND(0.012)	ND(0.01)	ND(0.01)	ND(0.01)	ND(0.01)	--	0.04
4-MethylPhenol	ND(0.012)	--	--	--	--	--	0.004J

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GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF GROUNDWATER APPENDIX IX+3 SEMIVOLATILES DATA
(Results Presented in Parts Per Million, ppm)

Location ID:	LS-4	LS-4	LS-10	LS-10*	LS-10	LS-11	LS-11*
Date:	8/89	09-10/90	09-10/90	10/20-21/94	11/30/95	09-10/90	10/20-21/94
Acetophenone	--	ND(0.01)	ND(0.01)	ND	ND(0.01)	ND(0.01)	ND
Acenaphthene	0.085	0.016	ND(0.01)	ND	ND(0.01)	ND(0.01)	ND
Acenaphthylene	0.16	0.025	ND(0.01)	ND	ND(0.01)	ND(0.01)	ND
Anthracene	0.27	0.017	ND(0.01)	ND	ND(0.01)	ND(0.01)	ND
Benzo(b)Fluoranthene	0.11	0.004J	ND(0.01)		ND(0.01)	ND(0.01)	
Benzo(k)Fluoranthene	0.11	0.006J	ND(0.01)		ND(0.01)	ND(0.01)	
Butyl Benzyl Phthalate	ND(0.024)	ND(0.01)	ND(0.01)		ND(0.01)	ND(0.01)	
Benzo(a)Anthracene	0.25	0.009J	ND(0.01)	ND	ND(0.01)	ND(0.01)	ND
Dibenzofuran	--	0.006J	ND(0.01)	ND	ND(0.01)	ND(0.01)	ND
Benzyl Alcohol	--	ND(0.01)	ND(0.01)	ND	ND(0.01)	ND(0.01)	0.024
Benzo(ghi)Perylene	0.085	0.004J	ND(0.01)		ND(0.01)	ND(0.01)	
Benzo(a)Pyrene	0.11	0.008J	ND(0.01)		ND(0.01)	ND(0.01)	
Benzoic Acid	--	--	--	ND	--	--	0.042J
Chrysene	0.16	0.009J	ND(0.01)	ND	ND(0.01)	ND(0.01)	ND
1,2,4-Trichlorobenzene	0.51	0.1	ND(0.01)	ND	ND(0.01)	0.004J	ND
2-Chlorophenol	--	ND(0.01)	ND(0.01)	ND	ND(0.01)	ND(0.01)	ND
Bis(2-Ethylhexyl)Phthalate	ND(0.024)	ND(0.01)	ND(0.01)	ND	0.0080 J	ND(0.01)	ND
Di-n-octylphthalate	ND(0.024)	ND(0.01)	ND(0.01)	ND	ND(0.01)	ND(0.01)	ND
Fluoranthene	0.42	0.018	ND(0.01)	ND	ND(0.01)	ND(0.01)	ND
Fluorene	0.36	0.053	ND(0.01)	ND	ND(0.01)	ND(0.01)	ND
Hexachloroethane	ND(0.024)	ND(0.01)	ND(0.01)		ND(0.01)	ND(0.01)	
Indeno(1,2,3-Cd)Pyrene	0.062	0.003J	ND(0.01)		ND(0.01)	ND(0.01)	
1,3-Dichlorobenzene	0.013J	0.008J	ND(0.01)	ND	ND(0.01)	0.014	ND
2-Methylnaphthalene	--	0.63D	ND(0.01)	ND	ND(0.01)	0.013	0.002J
Naphthalene	9.5D	4.4D	ND(0.01)	ND	ND(0.01)	0.25	0.002J
2,4-Dinitrotoluene	0.022J	ND(0.01)	ND(0.01)		ND(0.01)	ND(0.01)	
1,2-Dichlorobenzene	0.009J	0.005J	ND(0.01)	ND	ND(0.01)	0.004J	ND
1,4-Dichlorobenzene	0.093	0.064	ND(0.01)	ND	ND(0.01)	0.025	0.005J
Phenanthrene	1.3D	0.094	ND(0.01)	ND	ND(0.01)	0.003J	ND
Phenol	--	ND(0.01)	ND(0.01)	ND	ND(0.01)	ND(0.01)	ND
Phenols(total)	NA	NA	NA		NA	NA	
Pyrene	0.63	0.037	ND(0.01)	ND	ND(0.01)	ND(0.01)	ND
3-Nitroaniline	--	0.002J	ND(0.05)		ND(0.025)	ND(0.05)	
1,2,4,5-Tetrachlorobenzene	--	ND(0.01)	ND(0.01)	ND	ND(0.01)	ND(0.01)	ND
2-MethylPhenol	--	ND(0.01)	ND(0.01)	ND	ND(0.01)	ND(0.01)	0.002J
4-MethylPhenol	-	ND(0.01)	ND(0.01)		--	ND(0.01)	

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GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

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SUMMARY OF GROUNDWATER APPENDIX IX+3 SEMIVOLATILES DATA
(Results Presented in Parts Per Million, ppm)

Location ID:	LS-11	LS-12	LS-12*	LS-12	LS-13	LS-20*	LS-20
Date:	11/29/95	09-10/90	10/20-21/94	11/29/95	09-10/90	10/20-21/94	11/29/95
Acetophenone	ND(0.01)	NA	ND	ND(0.3)	NA	ND	ND(0.05)
Acenaphthene	ND(0.01)	ND(0.01)	ND	ND(0.3)	0.032	0.15	0.22
Acenaphthylene	ND(0.01)	ND(0.01)	ND	ND(0.3)	0.005J	0.003J	0.005J
Anthracene	ND(0.01)	ND(0.01)	ND	ND(0.3)	0.015J	0.005J	0.01J
Benzo(b)Fluoranthene	ND(0.01)	ND(0.01)		ND(0.3)	0.004J		ND(0.05)
Benzo(k)Fluoranthene	ND(0.01)	ND(0.01)		ND(0.3)	0.005J		ND(0.05)
Butyl Benzyl Phthalate	ND(0.01)	ND(0.01)		ND(0.3)	ND(0.02)		ND(0.05)
Benzo(a)Anthracene	ND(0.01)	ND(0.01)	ND	ND(0.3)	0.01J	ND	ND(0.05)
Dibenzofuran	ND(0.01)	ND(0.01)	ND	ND(0.3)	ND(0.02)	0.005J	0.007 J
Benzyl Alcohol	ND(0.01)	ND(0.01)	ND	ND(0.3)	ND(0.02)	ND	ND(0.05)
Benzo(ghi)Perylene	ND(0.01)	ND(0.01)		ND(0.3)	ND(0.02)		ND(0.05)
Benzo(a)Pyrene	ND(0.01)	ND(0.01)		ND(0.3)	0.007J		ND(0.05)
Benzoic Acid	--	ND(0.05)	ND	--	ND(0.1)	ND	--
Chrysene	ND(0.01)	ND(0.01)	ND	ND(0.3)	0.01J	ND	ND(0.05)
1,2,4-Trichlorobenzene	ND(0.01)	0.26	1.2	1.0	ND(0.02)	ND	ND(0.05)
2-Chlorophenol	0.011	ND(0.01)	ND	ND(0.3)	ND(0.02)	ND	ND(0.05)
Bis(2-Ethylhexyl)Phthalate	0.002 J	ND(0.01)	ND	ND(0.3)	ND(0.02)	ND	ND(0.05)
Di-n-octylphthalate	ND(0.01)	ND(0.01)	ND	ND(0.3)	ND(0.02)	0.004J	ND(0.05)
Fluoranthene	ND(0.01)	ND(0.01)	ND	ND(0.3)	0.02	0.006J	0.007J
Fluorene	ND(0.01)	ND(0.01)	ND	ND(0.3)	0.022	0.057	0.066
Hexachloroethane	ND(0.01)	ND(0.01)		ND(0.3)	ND(0.02)		ND(0.05)
Indeno(1,2,3-Cd)Pyrene	ND(0.01)	ND(0.01)		ND(0.3)	ND(0.02)		ND(0.05)
1,3-Dichlorobenzene	0.003 J	ND(0.01)	ND	ND(0.3)	0.035	0.003J	ND(0.05)
2-Methylnaphthalene	ND(0.01)	ND(0.01)	ND	ND(0.3)	0.059	0.02	0.031 J
Naphthalene	0.002 J	ND(0.01)	ND	ND(0.3)	0.21	0.13	0.33
2,4-Dinitrotoluene	ND(0.01)	ND(0.01)		ND(0.3)	ND(0.02)		ND(0.05)
1,2-Dichlorobenzene	ND(0.01)	0.002J	0.032J	ND(0.3)	ND(0.02)	ND	ND(0.05)
1,4-Dichlorobenzene	0.013	0.006J	0.036J	ND(0.3)	0.053	0.011	0.006J
Phenanthrene	ND(0.01)	ND(0.01)	ND	ND(0.3)	0.063	0.059	0.082
Phenol	0.002 J	0.003J	0.024J	0.042 J	ND(0.02)	ND	ND(0.05)
Phenols(total)	NA	NA		NA	NA		NA
Pyrene	0.001J	ND(0.01)	ND	ND(0.3)	0.033	0.008J	0.009J
3-Nitroaniline	ND(0.025)	ND(0.05)		ND(0.75)	ND(0.1)		ND(0.12)
1,2,4,5-Tetrachlorobenzene	ND(0.01)	ND	0.026J	0.077 J	ND	ND	ND(0.05)
2-MethylPhenol	ND(0.01)	ND(0.01)	ND	ND(0.3)	ND(0.02)	ND	ND(0.05)
4-MethylPhenol	--	ND(0.01)		--	ND(0.02)		--

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TABLE 5-5
(Cont'd)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

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SUMMARY OF GROUNDWATER APPENDIX IX+3 SEMIVOLATILES DATA
(Results Presented in Parts Per Million, ppm)

Location ID:	LS-22*	LS-24*	LS-24	LS-25*	LS-25	LS-28	LS-29
Date:	10/20-21/94	10/20-21/94	11/29/95	10/20-21/94	11/30/95	11/28/95	11/30/95
Acetophenone	ND	ND	ND(0.01)	ND	ND(0.01)	ND(0.01)	ND(0.01)
Acenaphthene	0.17	ND	ND(0.01)	ND	ND(0.01)	ND(0.01)	ND(0.01)
Acenaphthylene	0.003J	ND	ND(0.01)	ND	ND(0.01)	ND(0.01)	ND(0.01)
Anthracene	0.004J	ND	ND(0.01)	ND	ND(0.01)	ND(0.01)	ND(0.01)
Benzo(b)Fluoranthene			ND(0.01)		ND(0.01)	ND(0.01)	ND(0.01)
Benzo(k)Fluoranthene			ND(0.01)		--	--	--
Butyl Benzyl Phthalate			ND(0.01)		ND(0.01)	ND(0.01)	ND(0.01)
Benzo(a)Anthracene	ND	ND	ND(0.01)	ND	ND(0.01)	ND(0.01)	ND(0.01)
Dibenzofuran	0.005J	ND	ND(0.01)	ND	ND(0.01)	ND(0.01)	ND(0.01)
Benzyl Alcohol	ND	ND	ND(0.01)	ND	ND(0.01)	ND(0.01)	ND(0.01)
Benzo(ghi)Perylene			ND(0.01)		ND(0.01)	ND(0.01)	ND(0.01)
Benzo(a)Pyrene			ND(0.01)		ND(0.01)	ND(0.01)	ND(0.01)
Benzoic Acid	ND	ND	--	ND	--	--	--
Chrysene	ND	ND	ND(0.01)	ND	ND(0.01)	ND(0.01)	ND(0.01)
1,2,4-Trichlorobenzene	ND	ND	ND(0.01)	ND	ND(0.01)	ND(0.01)	ND(0.01)
2-Chlorophenol	ND	ND	ND(0.01)	ND	ND(0.01)	ND(0.01)	ND(0.01)
Bis(2-Ethylhexyl)Phthalate	ND	0.004J	ND(0.01)	ND	ND(0.01)	ND(0.01)	0.0010 J
Di-n-octylphthalate	ND	0.002J	ND(0.01)	ND	ND(0.01)	ND(0.01)	ND(0.01)
Fluoranthene	0.003J	ND	ND(0.01)	ND	ND(0.01)	ND(0.01)	ND(0.01)
Fluorene	0.55	ND	ND(0.01)	ND	ND(0.01)	ND(0.01)	ND(0.01)
Hexachloroethane			ND(0.01)		ND(0.01)	ND(0.01)	ND(0.01)
Indeno(1,2,3-Cd)Pyrene			ND(0.01)		ND(0.01)	ND(0.01)	ND(0.01)
1,3-Dichlorobenzene	0.004J	ND	ND(0.01)	ND	ND(0.01)	ND(0.01)	ND(0.01)
2-Methylnaphthalene	0.035	ND	ND(0.01)	ND	ND(0.01)	ND(0.01)	ND(0.01)
Naphthalene	0.42D	ND	ND(0.01)	ND	ND(0.01)	ND(0.01)	ND(0.01)
2,4-Dinitrotoluene			ND(0.01)		ND(0.01)	ND(0.01)	ND(0.01)
1,2-Dichlorobenzene	ND	ND	ND(0.01)	ND	ND(0.01)	ND(0.01)	ND(0.01)
1,4-Dichlorobenzene	0.013	ND	ND(0.01)	ND	ND(0.01)	ND(0.01)	ND(0.01)
Phenanthrene	0.05	ND	ND(0.01)	ND	ND(0.01)	ND(0.01)	ND(0.01)
Phenol	ND	ND	ND(0.01)	ND	ND(0.01)	ND(0.01)	ND(0.01)
Phenols(total)			NA		NA	NA	NA
Pyrene	0.005J	ND	ND(0.01)	ND	ND(0.01)	ND(0.01)	ND(0.01)
3-Nitroaniline			ND(0.025)		ND(0.025)	ND(0.025)	ND(0.025)
1,2,4,5-Tetrachlorobenzene	ND	ND	ND(0.01)	ND	ND(0.01)	ND(0.01)	ND(0.01)
2-MethylPhenol	ND	ND	ND(0.01)	ND	ND(0.01)	ND(0.01)	ND(0.01)
4-MethylPhenol			-		-	-	-

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TABLE 5-5
(Cont'd)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF GROUNDWATER APPENDIX IX+3 SEMIVOLATILES DATA
(Results Presented in Parts Per Million, ppm)

Location ID:	LS-32*	LS-33*	LS-34	LS-36	LS-37
Date:	10/20-21/94	10/20-21/94	12/28/95	11/29/95	11/28/95
Acetophenone	ND [0.002J]	ND	ND(0.2)	ND(0.01)	ND(0.01) [ND(0.01)]
Acenaphthene	0.008J [0.008J]	0.150J	ND(0.2)	ND(0.01)	ND(0.01) [ND(0.01)]
Acenaphthylene	ND [ND]	ND	ND(0.2)	ND(0.01)	ND(0.01) [ND(0.01)]
Anthracene	ND [ND]	0.070J	ND(0.2)	ND(0.01)	ND(0.01) [ND(0.01)]
Benzo(b)Fluoranthene			ND(0.2)	ND(0.01)	ND(0.01) [ND(0.01)]
Benzo(k)Fluoranthene			--	--	-- --
Butyl Benzyl Phthalate			ND(0.2)	ND(0.01)	ND(0.01) [ND(0.01)]
Benzo(a)Anthracene	ND [ND]	0.052J	ND(0.2)	ND(0.01)	ND(0.01) [ND(0.01)]
Dibenzofuran	ND [ND]	ND	ND(0.2)	ND(0.01)	ND(0.01) [ND(0.01)]
Benzyl Alcohol	ND [ND]	ND	ND(0.2)	ND(0.01)	ND(0.01) [ND(0.01)]
Benzo(ghi)Perylene			ND(0.2)	ND(0.01)	ND(0.01) [ND(0.01)]
Benzo(a)Pyrene			ND(0.2)	ND(0.01)	ND(0.01) [ND(0.01)]
Benzoic Acid	0.021J [ND]	ND	--	--	-- --
Chrysene	ND [ND]	0.062J	ND(0.2)	ND(0.01)	ND(0.01) [ND(0.01)]
1,2,4-Trichlorobenzene	0.008J [0.008J]	ND	1.2	ND(0.01)	ND(0.01) [0.001 J]
2-Chlorophenol	0.005J [0.005J]	ND	ND(0.2)	ND(0.01)	ND(0.01) [ND(0.01)]
Bis(2-Ethylhexyl)Phthalate	ND [ND]	ND	ND(0.2)	ND(0.01)	ND(0.01) [ND(0.01)]
Di-n-octylphthalate	ND [ND]	ND	ND(.2)	ND(0.01)	ND(0.01) ND(0.01)
Fluoranthene	ND [ND]	0.130J	ND(0.2)	ND(0.01)	ND(0.01) [ND(0.01)]
Fluorene	0.004J [0.004J]	0.110J	ND(0.2)	ND(0.01)	ND(0.01) [ND(0.01)]
Hexachloroethane			ND(0.2)	ND(0.01)	ND(0.01) [ND(0.01)]
Indeno(1,2,3-Cd)Pyrene			ND(0.2)	ND(0.01)	ND(0.01) [ND(0.01)]
1,3-Dichlorobenzene	0.029 [0.029]	0.160J	ND(0.2)	ND(0.01)	ND(0.01) [ND(0.01)]
2-Methylnaphthalene	0.033 [0.033]	0.23	ND(0.2)	ND(0.01)	ND(0.01) [ND(0.01)]
Naphthalene	0.15 [0.15]	ND	ND(0.2)	ND(0.01)	0.001J [0.002J]
2,4-Dinitrotoluene			ND(0.2)	ND(0.01)	ND(0.01) [ND(0.01)]
1,2-Dichlorobenzene	0.017 [0.017]	ND	ND(0.2)	ND(0.01)	ND(0.01) [ND(0.01)]
1,4-Dichlorobenzene	0.19D [0.19D]	0.33	0.02J	ND(0.01)	ND(0.01) [ND(0.01)]
Phenanthrene	0.002J [0.002J]	0.37	ND(0.2)	ND(0.01)	ND(0.01) [ND(0.01)]
Phenol	0.006J [0.007J]	ND	ND(0.2)	ND(0.01)	ND(0.01) [ND(0.01)]
Phenols(total)			NA	NA	NA [NA]
Pyrene	ND [ND]	0.18J	ND(0.2)	ND(0.01)	ND(0.01) [ND(0.01)]
3-Nitroaniline			ND(0.5)	ND(0.025)	ND(0.025) [ND(0.025)]
1,2,4,5-Tetrachlorobenzene	ND [ND]	ND	0.043 J	ND(0.01)	ND(0.01) [ND(0.01)]
2-MethylPhenol	ND [ND]	ND	ND(0.2)	ND(0.01)	ND(0.01) ND(0.01)
4-MethylPhenol			-	-	- -

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GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF GROUNDWATER APPENDIX IX+3 SEMIVOLATILES DATA
(Results Presented in Parts Per Million, ppm)

Location ID:	WP-6
Date:	11/15/88
Acetophenone	--
Acenaphthene	0.032
Acenaphthylene	ND(0.01)
Anthracene	<10
Benzo(b)Fluoranthene	ND(0.01)
Benzo(k)Fluoranthene	ND(0.01)
Butyl Benzyl Phthalate	--
Benzo(a)Anthracene	ND(0.01)
Dibenzofuran	--
Benzyl Alcohol	--
Benzo(ghi)Perylene	ND(0.01)
Benzo(a)Pyrene	ND(0.01)
Benzoic Acid	
Chrysene	ND(0.01)
1,2,4-Trichlorobenzene	ND(0.01)
2-Chlorophenol	ND(0.01)
Bis(2-Ethylhexyl)Phthalate	<10
Di-n-octylphthalate	ND(0.01)
Fluoranthene	ND(0.01)
Fluorene	0.012
Hexachloroethane	ND(0.01)
Indeno(1,2,3-Cd)Pyrene	ND(0.01)
1,3-Dichlorobenzene	0.013
2-Methylnaphthalene	--
Naphthalene	0.011
2,4-Dinitrotoluene	ND(0.01)
1,2-Dichlorobenzene	ND(0.01)
1,4-Dichlorobenzene	0.026
Phenanthrene	0.017
Phenol	ND(0.01)
Phenols(total)	0.04
Pyrene	ND(0.01)
3-Nitroaniline	--
1,2,4,5-Tetrachlorobenzene	--
2-MethylPhenol	--
4-MethylPhenol	--

NOTES:

1. Samples collected during 8/89, 9/90 - 10/90 were collected by Geraghty & Miller, Inc., and submitted to IT Analytical Services for SVOC analysis.
2. Samples collected during 12/91 were collected by Geraghty & Miller, Inc., and submitted to CompuChem Environmental Services for SVOC analysis.
3. Samples collected during 10/94 were collected by Rust Environment & Infrastructure, Inc., and submitted to Quanterra Environmental Services for SVOC analysis.
4. Samples collected during 8/95 - 12/95 were collected by Blasland, Bouck & Lee, Inc., and submitted to Quanterra Environmental Services for SVOC analysis.
5. -- = Data not reported by laboratory.
6. NA - Not analyzed.
7. ND(0.32) - Compound was analyzed for, but not detected. The number in parenthesis is the detection limit.
8. [ ] - Field duplicate analysis.
9. J - Indicates an estimated value less than the CLP - required quantitation limit.
10. D - Analysis was performed at a secondary dilution factor.
11. B - Indicates the compound was found in the associated blank as well as in the sample.
12. * - Sample analytical results presented in November 29, 1994 letter report from RUST Environment & Infrastructure to Mr. John D. Ciampa presents compounds with concentrations above laboratory detection limits only. Data is not currently available for remaining compounds.

TABLE 5-6

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF GROUNDWATER APPENDIX IX+3 PCDD/PCDF DATA
(Results Presented in Parts Per Million, ppm)

Location ID:	E-1	E-3	E-4	E-7	LS-2	LS-4	LS-10	LS-10
Date:	12/01/95	11/30/95	12/01/95	12/01/95	09-10/90	09-10/90	09-10/90	11/30/95
TCDFs	ND(0.0000000046)	ND(0.0000000030)	ND(0.0000000018)	ND(0.0000000045)	0.0000313	0.00141(I)	ND(0.000001)	0.0000000064
2,3,7,8-TCDF	ND(0.0000000017)	ND(0.0000000018)	ND(0.0000000018)	ND(0.0000000045)	--	--	--	0.0000000048J**
PeCDFs	ND(0.000000015)	ND(0.0000000035)	ND(0.0000000023)	ND(0.0000000062)	0.000138	0.00167(I)	ND(0.00000075)	0.000000033
1,2,3,7,8-PeCDF	ND(0.0000000024)	ND(0.0000000033)	ND(0.0000000017)	ND(0.000000004)	--	--	--	ND(0.0000000016)
2,3,4,7,8-PeCDF	ND(0.0000000016)	ND(0.0000000027)	ND(0.0000000014)	ND(0.0000000033)	--	--	--	ND(0.0000000028)
HxCDFs	ND(0.0000000072)	ND(0.0000000025)	ND(0.0000000021)	ND(0.0000000044)	0.000503E	0.00271(I)	ND(0.00000062)	0.000000055
1,2,3,4,7,8-HxCDF	ND(0.0000000072)	ND(0.0000000024)	ND(0.0000000012)	ND(0.0000000034)	--	--	--	0.000000028J**
1,2,3,6,7,8-HxCDF	ND(0.0000000027)	ND(0.0000000014)	ND(0.0000000019)	ND(0.0000000021)	--	--	--	ND(0.000000015)
1,2,3,7,8,9-HxCDF	ND(0.0000000047)	ND(0.0000000012)	ND(0.0000000011)	ND(0.0000000044)	--	--	--	ND(0.0000000074)
2,3,4,6,7,8-HxCDF	ND(0.0000000018)	ND(0.00000000090)	ND(0.00000000081)	ND(0.0000000032)	--	--	--	ND(0.0000000074)
HpCDFs	ND(0.0000000036)	ND(0.0000000033)	ND(0.0000000036)	ND(0.0000000025)	--	--	--	ND(0.000000023)
1,2,3,4,6,7,8-HpCDF	ND(0.0000000035)	ND(0.0000000021)	ND(0.0000000025)	ND(0.0000000025)	--	--	--	ND(0.000000023)
1,2,3,4,7,8,9-HpCDF	ND(0.0000000036)	ND(0.0000000033)	ND(0.0000000036)	ND(0.0000000023)	--	--	--	ND(0.000000011)
OCDF	ND(0.0000000071)	ND(0.0000000038)	ND(0.0000000039)	ND(0.0000000093)	--	--	--	ND(0.000000041)
TCDDs	ND(0.0000000020)	ND(0.0000000020)	ND(0.0000000019)	ND(0.0000000047)	ND(0.0000176)	ND(0.0000339)	ND(0.0000014)	ND(0.0000000015)
2,3,7,8-TCDD	ND(0.0000000020)	ND(0.0000000020)	ND(0.0000000019)	ND(0.0000000047)	--	--	ND(0.0000025)	ND(0.0000000015)
PeCDDs	ND(0.0000000010)	ND(0.0000000012)	ND(0.0000000012)	ND(0.0000000018)	ND(0000059)	ND(0.0000641)	ND(0.000004)	ND(0.0000000026)
1,2,3,7,8-PeCDD	ND(0.0000000010)	ND(0.0000000012)	ND(0.0000000012)	ND(0.0000000018)	--	--	--	ND(0.000000001)
HxCDDs	ND(0.0000000015)	ND(0.0000000019)	ND(0.0000000015)	ND(0.0000000023)	0.0000033	ND(0.0000741)	ND(0.000004)	ND(0.0000000023)
1,2,3,4,7,8-HxCDD	ND(0.0000000014)	ND(0.0000000018)	ND(0.0000000014)	ND(0.0000000022)	--	--	--	ND(0.0000000015)
1,2,3,6,7,8-HxCDD	ND(0.0000000014)	ND(0.0000000018)	ND(0.0000000014)	ND(0.0000000022)	--	--	--	ND(0.0000000015)
1,2,3,7,8,9-HxCDD	ND(0.0000000015)	ND(0.0000000019)	ND(0.0000000015)	ND(0.0000000023)	--	--	--	ND(0.0000000016)
HpCDDs	ND(0.0000000017)	ND(0.0000000016)	ND(0.000000001)	ND(0.0000000038)	--	--	--	ND(0.0000000051)
1,2,3,4,6,7,8-HpCDD	ND(0.0000000017)	ND(0.0000000015)	ND(0.000000001)	ND(0.0000000027)	--	--	--	ND(0.0000000051)
OCDD	ND(0.00000001)	ND(0.000000011)	ND(0.0000000085)	ND(0.000000019)	--	--	--	0.000000054J**

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GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF GROUNDWATER APPENDIX IX+3 PCDD/PCDF DATA
(Results Presented in Parts Per Million, ppm)

Location ID:	LS-11	LS-11	LS-12	LS-20	LS-24	LS-25	LS-28	LS-29
Date:	09-10/90	11/29/95	11/29/95	11/29/95	11/29/95	11/30/95	11/28/95	11/30/95
TCDFs	ND(0.0000015)	0.00000088	0.000021	0.00000015	ND(0.000000014)	ND(0.0000000038)	0.0000000061	ND(0.0000000045)
2,3,7,8-TCDF	--	0.00000008	0.0000034	0.000000012J**	ND(0.0000000031)	ND(0.0000000022)	ND(0.0000000018)	ND(0.000000002)
PeCDFs	ND(0.0000023)	0.00000058	0.000051	0.00000015	ND(0.000000042)	ND(0.0000000045)	ND(0.000000026)	ND(0.0000000093)
1,2,3,7,8-PeCDF	--	ND(0.000000016)	0.0000019	ND(0.0000000064)	ND(0.0000000008)	ND(0.0000000035)	ND(0.0000000041)	ND(0.0000000027)
2,3,4,7,8-PeCDF	--	0.000000041J**	0.000006	ND(0.000000012)	ND(0.0000000021)	ND(0.0000000029)	ND(0.0000000034)	ND(0.0000000019)
HxCDFs	ND(0.0000045)	0.00000053	0.000097	0.00000033	ND(0.000000038)	ND(0.0000000056)	ND(0.000000018)	ND(0.00000001)
1,2,3,4,7,8-HxCDF	--	0.00000016	0.000032	0.00000011	ND(0.000000014)	ND(0.0000000056)	ND(0.00000001)	ND(0.00000001)
1,2,3,6,7,8-HxCDF	--	0.000000084	0.000018	0.00000006	ND(0.0000000078)	ND(0.0000000015)	ND(0.0000000055)	ND(0.0000000055)
1,2,3,7,8,9-HxCDF	--	ND(0.000000033)	ND(0.0000023)	ND(0.000000089)	ND(0.000000016)	ND(0.0000000087)	ND(0.000000013)	ND(0.0000000034)
2,3,4,6,7,8-HxCDF	--	0.000000053	0.0000091	0.000000034J**	ND(0.0000000039)	ND(0.000000001)	ND(0.0000000038)	ND(0.0000000033)
HpCDFs	--	0.00000027	0.000047	0.00000028	ND(0.000000013)	ND(0.000000016)	ND(0.000000013)	ND(0.0000000058)
1,2,3,4,6,7,8-HpCDF	--	0.00000011	0.000016	0.00000011	ND(0.000000013)	ND(0.000000016)	ND(0.0000000078)	ND(0.0000000052)
1,2,3,4,7,8,9-HpCDF	--	0.000000068	0.000016	0.000000067	ND(0.0000000087)	ND(0.0000000021)	ND(0.0000000083)	ND(0.0000000058)
OCDF	--	0.00000016	0.000025	0.00000022	ND(0.000000029)	ND(0.000000033)	ND(0.00000002)	ND(0.000000012)
TCDDs	ND(0.0000022)	0.0000000093	0.0000018	0.0000000061	ND(0.0000000018)	ND(0.0000000016)	ND(0.0000000026)	ND(0.0000000017)
2,3,7,8-TCDD	ND(0.0000049)	ND(0.0000000022)	ND(0.000000088)	ND(0.0000000019)	ND(0.0000000018)	ND(0.0000000016)	ND(0.0000000026)	ND(0.0000000017)
PeCDDs	ND(0.0000058)	ND(0.000000017)	ND(0.0000015)	ND(0.000000013)	ND(0.0000000028)	ND(0.0000000011)	ND(0.0000000018)	ND(0.0000000012)
1,2,3,7,8-PeCDD	--	ND(0.0000000016)	ND(0.0000015)	ND(0.0000000016)	ND(0.0000000012)	ND(0.0000000011)	ND(0.0000000018)	ND(0.0000000012)
HxCDDs	ND(0.0000053)	ND(0.000000014)	ND(0.0000012)	ND(0.000000013)	ND(0.0000000022)	ND(0.0000000017)	ND(0.0000000032)	ND(0.0000000018)
1,2,3,4,7,8-HxCDD	--	ND(0.0000000016)	ND(0.0000027)	ND(0.0000000034)	ND(0.00000000094)	ND(0.0000000016)	ND(0.0000000031)	ND(0.0000000015)
1,2,3,6,7,8-HxCDD	--	ND(0.0000000035)	ND(0.0000003)	ND(0.0000000031)	ND(0.00000000094)	ND(0.0000000016)	ND(0.0000000031)	ND(0.0000000015)
1,2,3,7,8,9-HxCDD	--	ND(0.0000000038)	ND(0.0000002)	ND(0.0000000033)	ND(0.000000013)	ND(0.0000000017)	ND(0.0000000032)	ND(0.0000000016)
HpCDDs	--	0.000000097	0.0000078	0.000000085	ND(0.0000000062)	ND(0.0000000012)	ND(0.0000000076)	ND(0.0000000027)
1,2,3,4,6,7,8-HpCDD	--	0.000000036J**	0.0000046	0.000000047J**	ND(0.0000000062)	ND(0.0000000012)	ND(0.0000000076)	ND(0.0000000027)
OCDD	--	0.00000035	0.000036	0.00000074	0.000000084J**	ND(0.0000000056)	0.00000013	ND(0.000000027)

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TABLE 5-6
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GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF GROUNDWATER APPENDIX IX+3 PCDD/PCDF DATA
(Results Presented in Parts Per Million, ppm)

Location ID:	LS-34	LS-36	LS-37				
Date:	12/28/95	11/29/95	11/28/95				
TCDFs	0.000017	ND(0.0000000014)	0.000000015 [ND(0.0000000033)]				
2,3,7,8-TCDF	0.00000055	ND(0.00000000062)	ND(0.0000000031) [ND(0.0000000033)]				
PeCDFs	0.000043	ND(0.0000000045)	ND(0.0000000088) [ND(0.000000008)]				
1,2,3,7,8-PeCDF	0.0000018	ND(0.0000000014)	ND(0.0000000015) [ND(0.0000000033)]				
2,3,4,7,8-PeCDF	0.0000051	ND(0.0000000012)	ND(0.0000000024) [ND(0.0000000023)]				
HxCDFs	0.000087	ND(0.0000000021)	ND(0.0000000039) [ND(0.0000000041)]				
1,2,3,4,7,8-HxCDF	0.00003 E	ND(0.0000000021)	ND(0.0000000028) [ND(0.0000000041)]				
1,2,3,6,7,8-HxCDF	0.000014 E	ND(0.0000000016)	ND(0.0000000013) [ND(0.0000000015)]				
1,2,3,7,8,9-HxCDF	0.000009	ND(0.0000000013)	ND(0.000000001) [ND(0.0000000016)]				
2,3,4,6,7,8-HxCDF	0.000008	ND(0.00000000043)	ND(0.000000001) [ND(0.0000000012)]				
HpCDFs	0.000069	ND(0.0000000033)	ND(0.0000000032) [ND(0.0000000042)]				
1,2,3,4,6,7,8-HpCDF	0.00002 E	ND(0.0000000023)	ND(0.0000000032) [ND(0.0000000042)]				
1,2,3,4,7,8,9-HpCDF	0.00002 E	ND(0.0000000033)	ND(0.000000002) [ND(0.0000000031)]				
OCDF	0.00006 E	ND(0.0000000035)	ND(0.0000000038) [ND(0.0000000064)]				
TCDDs	0.0000015 B	ND(0.0000000016)	ND(0.0000000036) [ND(0.0000000046)]				
2,3,7,8-TCDD	0.000000026	ND(0.00000000091)	ND(0.0000000018) [ND(0.0000000039)]				
PeCDDs	0.00000073	ND(0.00000000058)	ND(0.0000000023) [ND(0.0000000034)]				
1,2,3,7,8-PeCDD	0.00000025	ND(0.00000000058)	ND(0.0000000011) [ND(0.0000000017)]				
HxCDDs	0.0000056	ND(0.00000000078)	ND(0.0000000034) [ND(0.0000000038)]				
1,2,3,4,7,8-HxCDD	0.00000083	ND(0.00000000074)	ND(0.00000000085) [ND(0.0000000024)]				
1,2,3,6,7,8-HxCDD	0.00000051	ND(0.00000000074)	ND(0.000000001) [ND(0.0000000024)]				
1,2,3,7,8,9-HxCDD	0.00000064	ND(0.00000000078)	ND(0.0000000016) [ND(0.0000000025)]				
HpCDDs	0.000025	ND(0.00000000099)	ND(0.0000000091) [ND(0.0000000088)]				
1,2,3,4,6,7,8-HpCDD	0.000015 E	ND(0.00000000099)	ND(0.000000007) [ND(0.0000000057)]				
OCDD	0.00014 E	ND(0.0000000067)	0.0000004 [0.00000036]				

(See Notes on Page 4 of 4)

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TABLE 5-6

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF GROUNDWATER APPENDIX IX+3 PCDD/PCDF DATA
(Results Presented in Parts Per Million, ppm)

NOTES:

1. Samples collected during 9/90 - 10/90 were collected by Geraghty & Miller, Inc., and submitted to IT Analytical Services for PCDD/PCDF analysis.
2. Samples collected during 8/95 - 12/95 were collected by Blasland, Bouck & Lee, Inc., and submitted to Quanterra Environmental Services for PCDD/PCDF analysis.
3. -- = Data not reported by laboratory.
4. NA - Not analyzed.
5. ND(0.32) - Compound was analyzed for, but not detected. The number in parenthesis is the detection limit.
6. [ ] - Field duplicate analysis.
7. J** - Estimated value below the lower calibration limit but above the target detection limit.
8. B - Indicates the compound was found in the associated blank as well as in the sample.
9. (I) - Possible interference from polychlorinated diphenylethers were noted by the analytical laboratory.
10. E - The compound exceeded the calibration range of the GC/MS instrument for that specific analysis.

TABLE 5-7

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF GROUNDWATER APPENDIX IX+3 METALS DATA
(Results Presented in Parts Per Million, ppm)

Location ID:	E-1 (unfiltered)	E-1 (filtered)	E-1 (unfiltered)	E-3 (filtered)	E-3 (unfiltered)	E-4 (filtered)	E-4 (unfiltered)	E-7 (filtered)	E-7 (unfiltered)
Date:	12/91	12/01/95	12/01/95	11/30/95	11/30/95	12/01/95	12/01/95	12/01/95	12/01/95
Aluminum	1.71	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	ND(0.036)	ND(0.0084)	ND(0.0084)	ND(0.0084)	ND(0.0084)	ND(0.0084)	ND(0.0084)	ND(0.0084)	ND(0.0084)
Arsenic	ND(0.005)	ND(0.0019)	ND(0.0019)	ND(0.0019)	0.0029 J*	ND(0.0019)	0.004J*	ND(0.0019)	0.041
Barium	0.0293J*	0.0412 J*	0.0402 J*	0.0314 J*	0.0506 J*	0.0470 J*	0.0699 J*	0.0201 J*	0.321
Beryllium	ND(0.001)	ND(0.0003)	ND(0.0003)	ND(0.0003)	ND(0.0003)	ND(0.0003)	ND(0.0003)	ND(0.0003)	0.0042J*
Cadmium	ND(0.005)	ND(0.0013)	ND(0.0013)	ND(0.0013)	ND(0.0013)	0.0024 J*	0.004J*	ND(0.0013)	0.0042 J*
Calcium	98.1	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	ND(0.004)	0.0022J*	ND(0.0018)	ND(0.0018)	0.0077 J*	ND(0.0018)	0.0032 J*	ND(0.0018)	0.0893
Cobalt	ND(0.005)	ND(0.0031)	ND(0.0031)	ND(0.0031)	0.0041 J*	ND(0.0031)	0.0041J*	ND(0.0031)	0.0955
Copper	ND(0.006)	0.0162 J*	0.0042J*	0.003 J*	0.0089J*	0.0028J*	0.0176 J*	0.004J*	0.15
Iron	0.0245J*	NA	NA	NA	NA	NA	NA	NA	NA
Lead	ND(0.002)	0.0122	0.0206	ND(0.0014)	0.005	ND(0.0014)	0.0039	ND(0.0014)	0.0831
Magnesium	0.182J*	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	0.0013J*	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)	ND(0.0002)
Nickel	ND(0.008)	ND(0.0029)	ND(0.0029)	ND(0.0029)	0.0092 J*	ND(0.0029)	0.0093 J*	ND(0.0029)	0.149
Potassium	21.3	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	ND(0.003)	ND(0.0024)	ND(0.0024)	0.004 J*	0.0044 J*	ND(0.0024)	ND(0.0024)	0.0035 J*	ND(0.0024)
Silver	ND(0.006)	ND(0.0018)	ND(0.0018)	ND(0.0018)	ND(0.0018)	ND(0.0018)	ND(0.0018)	ND(0.0018)	ND(0.0018)
Sodium	14.7	NA	NA	NA	NA	NA	NA	NA	NA
Tin	NA	ND(0.0256)	ND(0.0256)	ND(0.0256)	ND(0.0256)	ND(0.0256)	ND(0.0256)	ND(0.0256)	0.231
Thallium	ND(0.002)	ND(0.0045)	ND(0.0045)	ND(0.0045)	ND(0.0045)	ND(0.0045)	ND(0.0045)	ND(0.0045)	ND(0.009)
Vanadium	ND(0.006)	0.0022J*	0.002 J*	ND(0.0017)	0.0052J*	ND(0.0017)	0.003 J*	ND(0.0017)	0.116
Zinc	0.0093J*	0.0263	0.0023 J*	0.0217	0.0322	0.0076 J*	0.0458	0.0038 J*	0.474
Sulfide	NA	NA	1.2	NA	1.0	NA	ND(1.0)	NA	1.0

(See Notes on Page 6 of 6)

TABLE 5-7
(Cont'd)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF GROUNDWATER APPENDIX IX+3 METALS DATA
(Results Presented in Parts Per Million, ppm)

Location ID:	LS-2 (unfiltered)	LS-4 (unfiltered)	LS-10 (unfiltered)	LS-10 (unfiltered)	LS-10 (filtered)	LS-11 (unfiltered)	LS-11 (unfiltered)	LS-11 (filtered)	LS-12 (unfiltered)
Date:	09-10/90	09-10/90	09-10/90	11/30/95	11/30/95	09-10/90	11/29/95	11/29/95	09-10/90
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA	0.544
Antimony	ND(0.03)	ND(0.03)	ND(0.03)	ND(0.0084)	ND(0.0084)	ND(0.03)	ND(0.0084)	ND(0.0084)	ND(0.03)
Arsenic	ND (0.03)	ND (0.03)	ND (0.03)	0.00240 J*	ND(0.0019)	ND (0.03)	0.0197	0.016	ND (0.002)
Barium	2.0	0.51	0.12	0.0230 J*	0.0085 J*	0.25	0.0994 J*	0.099 J*	0.0283J*
Beryllium	0.001	0.002	ND (0.001)	ND(0.0003)	ND(0.0003)	ND (0.001)	ND(0.0003)	0.00047 J*	ND (0.001)
Cadmium	ND(0.005)	ND(0.005)	ND(0..005)	ND(0.0013)	ND(0.0013)	ND(0.005)	ND(0.0013)	ND(0.0013)	ND(0.005)
Calcium	NA	NA	NA	NA	NA	NA	NA	NA	66.6
Chromium	0.03	0.01	ND (0.01)	0.0045 J*	ND(0.0018)	ND (0.01)	0.0066 J*	ND(0.0018)	ND (0.01)
Cobalt	ND (0.02)	ND (0.02)	ND (0.02)	0.0053 J*	ND(0.0031)	ND (0.02)	0.0041 J*	0.0038 J*	ND (0.02)
Copper	0.1	0.15	0.03	0.0185 J*	0.0045 J*	0.01	0.0192 J*	ND(0.0027)	0.0165J*
Iron	NA	NA	NA	NA	NA	NA	NA	NA	1.33
Lead	0.35	0.12	ND (0.03)	0.0099	ND(0.0014)	ND (0.03)	0.0072	ND(0.0014)	ND (0.002)
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA	23.1
Manganese	NA	NA	NA	NA	NA	NA	NA	NA	1.16
Mercury	ND(0.001)	ND (0.001)	ND (0.001)	ND(0.0002)N	ND(0.0002)	ND (0.001)	ND(0.0002)N	ND(0.0002)	ND (0.002)
Nickel	0.03	ND (0.02)	ND (0.02)	0.0073 J*	ND(0.0029)	ND (0.02)	0.0045 J*	ND(0.0029)	ND (0.02)
Potassium	NA	NA	NA	NA	NA	NA	NA	NA	1.13J*
Selenium	ND(0.06)	ND(0.06)	ND(0.06)	ND(0.0024)	ND(0.0024)	ND(0.06)	ND(0.0024)	ND(0.0024)	ND(0.002)
Silver	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.0018)	ND(0.0018)	ND(0.005)	ND(0.0018)	ND(0.0018)	ND(0.005)
Sodium	NA	NA	NA	NA	NA	NA	NA	NA	84.5
Tin	ND(0.02)	ND(0.02)	ND(0.02)	ND(0.0256)	ND(0.0256)	ND(0.02)	0.0657 J*	0.0955 J*	--
Thallium	ND(0.03)	ND(0.03)	ND(0.03)	ND(0.0045)	ND(0.0045)	ND(0.03)	ND(0.0045)	ND(0.0045))	ND(0.002)
Vanadium	0.02	ND (0.01)	ND(0.01)	0.0037J*	ND(0.0017)	ND (0.01)	0.004 J*	ND(0.0017)	ND (0.01)
Zinc	0.19	0.22	0.21	0.0742	0.0093 J*	0.029	0.179	0.0819	0.0399
Sulfide	3.0	4.4	ND (0.2)	ND(1.0)	NA	ND (0.2)	ND(1.0)	NA	NA

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TABLE 5-7
(Cont'd)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF GROUNDWATER APPENDIX IX+3 METALS DATA
(Results Presented in Parts Per Million, ppm)

Location ID:	LS-12 (unfiltered)	LS-12 (filtered)	LS-13 (unfiltered)	LS-20 (filtered)	LS-20 (unfiltered)	LS-24 (filtered)	LS-24 (unfiltered)	LS-25 (filtered)	LS-25 (unfiltered)
Date:	11/29/95	11/29/95	09-10/90	11/29/95	11/29/95	11/29/95	11/29/95	11/30/95	11/30/95
Aluminum	NA	NA	2.79	NA	NA	NA	NA	NA	NA
Antimony	ND(0.0084)	ND(0.0084)	ND(0.03)	ND(0.0084)	ND(0.0084)	ND(0.0084)	ND(0.0084)	ND(0.0084)	ND(0.0084)
Arsenic	0.0046 J*	ND(0.0019)	0.0028J*	0.0033 J*	0.0095 J*	ND(0.0019)	ND(0.0019)	ND(0.0019)	ND(0.0019)
Barium	0.235	0.185 J*	0.33	0.0398 J*	0.0575 J*	0.0226 J*	0.0316 J*	0.0049 J*	0.0056 J*
Beryllium	ND(0.0003)	ND(0.0003)	ND (0.001)	ND(0.0003)	ND(0.0003)	ND(0.0003)	ND(0.0003)	ND(0.0003)	ND(0.0003)
Cadmium	ND(0.0013)	ND(0.0013)	ND(0.005)	ND(0.0013)	ND(0.0013)	ND(0.0013)	ND(0.0013)	ND(0.0013)	ND(0.0013)
Calcium	NA	NA	189	NA	NA	NA	NA	NA	NA
Chromium	0.0051 J*	ND(0.0018)	ND (0.01)	ND(0.0018)	0.0147	ND(0.0018)	0.0183	ND(0.0018)	ND(0.0018)
Cobalt	ND(0.0031)	ND(0.0031)	0.021J*	ND(0.0031)	0.0064 J*	ND(0.0031)	ND(0.0031)	ND(0.0031)	ND(0.0031)
Copper	0.0061J*	ND(0.0027)	0.0273	ND(0.0027)	0.0229 J*	ND(0.0027)	ND(0.0027)	ND(0.0027)	ND(0.0027)
Iron	NA	NA	10.5	NA	NA	NA	NA	NA	NA
Lead	0.0039	ND(0.0014)	0.0061	ND(0.0014)	0.0143	ND(0.0014)	ND(0.0014)	ND(0.0014)	ND(0.0014)
Magnesium	NA	NA	60.3	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	1.8	NA	NA	NA	NA	NA	NA
Mercury	ND(0.0002)N	ND(0.0002)	0.00023	ND(0.0002)N	ND(0.0002)N	ND(0.0002)	ND(0.0002)N	ND(0.0002)	ND(0.0002)
Nickel	0.0029 J*	ND(0.0029)	0.0354J*	ND(0.0029)	0.012 J*	0.0192 J*	0.0431	ND(0.0029)	0.0031J*
Potassium	NA	NA	1.92J*	NA	NA	NA	NA	NA	NA
Selenium	ND(0.0024)	ND(0.0024)	ND(0.004)	ND(0.0024)	ND(0.0024)	ND(0.0024)	ND(0.0024)	ND(0.0024)	ND(0.0024)
Silver	ND(0.0018)	ND(0.0018)	0.0056J*	ND(0.0018)	ND(0.0018)]	ND(0.0018)	ND(0.0018)	ND(0.0018)	ND(0.0018)
Sodium	NA	NA	27.2	NA	NA	NA	NA	NA	NA
Tin	ND(0.0256)	ND(0.0256)	--	ND(0.0256)	ND(0.0256)	ND(0.0256)	ND(0.0256)	ND(0.0256)	ND(0.0256)
Thallium	ND(0.0045)	ND(0.0045)	ND(0.002)	ND(0.0045)	ND(0.0045)	ND(0.0045)	ND(0.0045)	ND(0.0045)	ND(0.0045)
Vanadium	0.005 J*	ND(0.0017)	ND (0.01)	ND(0.0017)	0.0059 J*	ND(0.0017)	ND(0.0017)	ND(0.0017)	0.0019 J*
Zinc	0.0716	0.0262	0.298	0.0042 J*	0.0766	0.0114 J*	0.0263	0.0088J*	0.0185 J*
Sulfide	ND(1.0)	NA	NA	NA	1.9	NA	ND(1.0)	NA	ND(1.0)

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TABLE 5-7
(Cont'd)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF GROUNDWATER APPENDIX IX+3 METALS DATA
(Results Presented in Parts Per Million, ppm)

Location ID:	LS-28 (filtered)	LS-28 (unfiltered)	LS-29 (filtered)	LS-29 (unfiltered)	LS-34 (filtered)	LS-36 (filtered)	LS-36 (unfiltered)	WP-6 (unfiltered)
Date:	11/28/95	11/28/95	11/30/95	11/30/95	12/28/95	11/29/95	11/29/95	11/15/88
Aluminum	NA	NA	NA	NA	NA	NA	NA	NA
Antimony	ND(0.0084)	ND(0.0084)	ND(0.0084)	ND(0.0084)	ND(0.0167)	ND(0.0084)	ND(0.0084)	<0.03
Arsenic	ND(0.0019)	0.0235	ND(0.0019)	ND(0.0019)	ND(0.0019)	ND(0.0019)	0.0196	<0.03
Barium	0.0081 J*	0.0962 J*	0.0079 J*	0.0091 J*	0.0076 J*	0.0415 J*	0.105 J*	NA
Beryllium	0.00049 J*	0.0013 J*	ND(0.0003)	ND(0.0003)	ND(0.0002)	ND(0.0003)	0.00073 J*	<0.001
Cadmium	ND(0.0013)	ND(0.0013)	ND(0.0013)	ND(0.0013)	ND(0.0028)	ND(0.0013)	0.0036 J*	<0.005
Calcium	NA	NA	NA	NA	NA	NA	NA	NA
Chromium	0.0022 J*	0.0276	ND(0.0018)	ND(0.0018)	ND(0.0016)	0.0018 J*	0.0226	<0.01
Cobalt	ND(0.0031)	0.0387 J*	ND(0.0031)	ND(0.0031)	ND(0.0024)	ND(0.0031)	0.0188 J*	NA
Copper	0.004 J*	0.112	ND(0.0027)	ND(0.0027)	0.0024 J*	ND(0.0027)	0.0466	<0.01
Iron	NA	NA	NA	NA	NA	NA	NA	NA
Lead	ND(0.0014)	0.0498	ND(0.0000014)	ND(0.0014)	ND(0.0014)	ND(0.0014)	0.0276	<0.03
Magnesium	NA	NA	NA	NA	NA	NA	NA	NA
Manganese	NA	NA	NA	NA	NA	NA	NA	NA
Mercury	ND(0.0002)N	ND(0.0002)N	ND(0.0002)	ND(0.0002)N	ND(0.0002)	ND(0.0002)	ND(0.0002)N	<0.001
Nickel	ND(0.0029)	0.0603	ND(0.0029)	ND(0.0029)	ND(0.005)	ND(0.0029)	0.0302 J*	<0.02
Potassium	NA	NA	NA	NA	NA	NA	NA	NA
Selenium	0.0028 J*	ND(0.0024)	ND(0.0024)	ND(0.0024)	ND(0.0024)	ND(0.0024)	ND(0.0024)	<0.06
Silver	ND(0.0018)	ND(0.0018)	ND(0.0018)	ND(0.0018)	ND(0.0018)	ND(0.0018)	ND(0.0018)	<0.005
Sodium	NA	NA	NA	NA	NA	NA	NA	NA
Tin	ND(0.0256)	0.0624 J*	ND(0.0256)	ND(0.0256)	ND(0.0135)	ND(0.0256)	0.0887 J*	NA
Thallium	ND(0.0045)	ND(0.0045)	ND(0.0045)	ND(0.0045)	ND(0.0045)	ND((0.0045)	0.0054 J*	<0.05*
Vanadium	ND(0.0017)	0.0261 J*	ND(0.0017)	ND(0.0017)	0.0026 J*	ND(0.0017)	0.0196 J*	NA
Zinc	0.0235	0.175	0.004 J*	0.0055 J*	0.0157 J*	0.0034 J*	0.11	5.3
Sulfide	NA	ND(1.0)	NA	ND(1.0)	NA	NA	ND(1.0)	NA

(See Notes on Page 6 of 6)

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TABLE 5-7
(Cont'd)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF GROUNDWATER APPENDIX IX+3 METALS DATA
(Results Presented in Parts Per Million, ppm)

Location ID:	LS-37 (filtered)	LS-37 (unfiltered)				
Date:	11/28/95	11/28/95				
Aluminum	NA [NA]	NA [NA]				
Antimony	ND(0.0084) [ND(0.0084)]	ND(0.0084) [ND(0.0084)]				
Arsenic	ND(0.0019) [0.003 J*]	0.034 [0.0298]				
Barium	0.0525 J* [0.0537 J*]	0.253 [0.208]				
Beryllium	ND(0.0003) [ND(0.0003)]	0.0016 J* [0.0013 J*]				
Cadmium	ND(0.0013) [ND(0.0013)]	0.0064 [0.0055]				
Calcium	NA [NA]	NA [NA]				
Chromium	ND(0.0018) [0.008 J*]	0.078 [0.0668]				
Cobalt	ND(0.0031) [ND(0.0031)]	0.0234 J* [0.0193 J*]				
Copper	ND(0.0027) [0.0027 J*]	1.4 [1.08]				
Iron	NA [NA]	NA [NA]				
Lead	ND(0.0014) [ND(0.0014)]	0.914 [0.729]				
Magnesium	NA [NA]	NA [NA]				
Manganese	NA [NA]	NA [NA]				
Mercury	ND(0.0002) [ND(0.0002)]	ND(0.0002)N [ND(0.0002)N]				
Nickel	0.0059 J* [0.0097 J*]	0.211 [0.172]				
Potassium	NA [NA]	NA [NA]				
Selenium	ND(0.0024) [ND(0.0024)]	ND(0.0024) [ND(0.0024)]				
Silver	ND(0.0018) [ND(0.0018)]	ND(0.0018) [ND(0.0018)]				
Sodium	NA [NA]	NA [NA]				
Tin	ND(0.0256) [ND(0.0256)]	0.253 [0.213]				
Thallium	ND(0.0045) ND(0.0045)	0.0059 J* [ND(0.0045)]				
Vanadium	ND(0.0017) [ND(0.0017)]	0.0708 [0.0603]				
Zinc	0.0098 J* [0.0056 J*]	2.82 [2.18]				
Sulfide	NA [NA]	4.1 [2.1]				

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TABLE 5-7
(Cont'd)
GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF GROUNDWATER APPENDIX IX+3 METALS DATA
(Results Presented in Parts Per Million, ppm)

NOTES:

1. Samples collected during 9/90 - 10/90 were collected by Geraghty & Miller, Inc., and submitted to IT Analytical Services for metals analysis.
2. Samples collected during 12/91 were collected by Geraghty & Miller, Inc., and submitted to CompuChem Environmental Services for metals analysis.
3. Samples collected during 8/95 - 12/95 were collected by Blasland, Bouck & Lee, Inc., and submitted to Quanterra Environmental Services for metals analysis.
4. -- = Data not reported by laboratory.
5. ND(0.32) - Compound was analyzed for, but not detected. The number in parenthesis is the detection limit.
6. [ ] - Field duplicate analysis.
7. J* - Indicates value less than contract required detection limit but greater than instrument detection limit.
8. N - Spiked sample recovery not within control limits.
9. D - Analysis was performed at a secondary dilution factor.

TABLE 6-1

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RFI REPORT FOR LYMAN STREET PARKING LOT/OXBOW AREA E AND USEPA AREA 5A

24-HOUR HIGH VOLUME AMBIENT PCB CONCENTRATIONS: AUGUST 20, 1991 - AUGUST 14, 1992
(Results Are Presented in Micrograms Per Cubic Meter [$\mu g/m^3$])

Monitor Identification: Location Description:	002 NWL	003 LYM	004 H78	005 OP3	006 BCC	007 64Y	001[1] 64YC	008 32S
Mean Concentration[2]:	0.0062	0.0013	0.0007	<0.0005	<0.0005	0.0011	0.0011	0.0050[3]
Mean Spring[2]:	0.0097	0.0016	0.0008	0.0006	<0.0005	0.0012	0.0009	(-)
Mean Summer[2,4]:	0.0117	0.0029	0.0011	0.0010	<0.0005	0.0022	0.0020	(-)
Mean Fall[2]:	0.0028	0.0006	<0.0005	<0.0005	<0.0005	0.0006	0.0007	(-)
Mean Winter[2]:	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	0.0007	(-)
Max. 24 Hour Concentration:	0.030	0.0059	0.0035	0.0019	0.0015	0.0037	0.0041	0.0071
Date of Occurrence:	06/15/92	08/02/92	06/05/92	07/19/92	08/14/92	07/21/92	08/02/92	08/02/92
Min. 24 Hour Concentration[5]:	ND[6]	ND	ND	ND	ND	ND	ND	0.0035
Date of Occurrence:	(-)[7]	(-)	(-)	(-)	(-)	(-)	(-)	07/09/92
Total # of Valid Samples:	30	30	30	31	31	29	29	6
% Below the Detection Limit:	26.7	46.7	76.7	74.2	83.9	37.9	37.9	0

Notes:

1. Co-located with Monitor 007.
2. Averages are calculated using one-half the detection limit for non-detect events.
3. Based on six sampling events between June 15, 1992 and August 14, 1992.
4. Observations from summer 1991 and 1992 were combined to produce summer averages.
5. Sampling Stations 001 through 007 had several observations of non-detect.
6. ND - Below the detection limit of 0.0005 $\mu g/m^3$.
7. (-) - Indicates that a non-detect was recorded on several occasions.

Reference: Information was reproduced from Zorex, November 1992 - Table 2.

TABLE 6-2

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RFI REPORT FOR LYMAN STREET PARKING LOT/OXBOW AREA E AND USEPA AREA 5A

24-HOUR HIGH-VOLUME AMBIENT PCB CONCENTRATIONS[1]
METHOD 608 (HIGH RESOLUTION)[2] - MAY THROUGH AUGUST 1993
(Results are presented in micrograms per cubic meter ($\mu g/m^3$))

Date	F.W. Webb	191 Newell Rear	Lyman	BCC	Silver Lake	191 Newell Front	191 Newell Front Co-Locator
May 4, 1993	ND[3](0.000038)	0.0056	0.0035	0.0014	0.014[4]	0.0021	0.0016
May 20, 1993	0.0027(0.00084)	ND	0.0027	NA[5]	0.0027	0.0024	0.0019
June 3, 1993	0.0030[6]	0.0075[7]	0.0054[6]	0.0035[6]	0.0054[6]	ND	0.0035[6]
June 18, 1993	0.0090(0.0054)	0.012[7](0.013)	0.0051[7](0.0026)	0.0021[7]	0.014[7](0.015)	0.0078[7]	0.0084[7]
July 3, 1993	0.0057(0.0026)	0.0089	0.0087(0.0023)	ND	0.023[7]	0.0097[7](0.0033)	0.0075[7]
July 18, 1993	0.0084(0.0054)	0.023	0.0052(0.0026)	ND	0.011	NA[8]	0.010(0.0062)
August 2, 1993	0.0068(0.0036)	0.028	0.011(0.0056)	0.0016	0.0040	ND	0.010
August 17, 1993	0.0038(0.0022)	0.035	0.0072(0.0048)	0.0011	0.012	0.0065	0.0024
Mean Concentration	0.0053(0.0029)	0.015(0.015)	0.0061(0.0037)	0.0015	0.011(0.011)	0.0041(0.0032)	0.0057(0.0052)
Max 24-Hour Occurrence Date of Occurrence	0.0090 6/18/93	0.035 8/17/93	0.011 8/2/93	0.0035[7] 6/3/93	0.023[7] 7/3/93	0.0097[7] 7/3/93	0.010 7/18/93 & 8/2/93
Min 24-Hour Occurrence Date of Occurrence	0.0027[9] 5/20/93	ND 5/20/93	0.0027 5/20/93	ND 7/3/93 & 7/18/93	0.0027 5/20/93	ND 6/3/93 & 8/2/93	0.0016 5/4/93

Notes:

ND Non-Detect (ND) samples had a detection limit of 0.0005 $\mu g/m^3$ unless otherwise noted. For averaging purpose, one-half of the detection limit was used for Non-Detect (ND).

1 Quantified as Aroclor 1254 unless otherwise noted.

2 Results of the Method 608 analyses are presented without parentheses; results of the high resolution GC/MS analyses (where preformed) are presented in parentheses.

3 Sample detection limit raised to 0.005 $\mu g/m^3$ due to interference. Samples were submitted for high resolution GC/MS analysis.

4 A power failure occurred on 5/4/93 at Silver Lake Boulevard. Samples were collected 5/6 - 5/7/93.

5 A power failure occurred on 5/19/93 at BCC. There is no background sample for 5/19 - 5/20/93.

6 Quantified as Aroclor 1242.

7 Quantified as Aroclor 1248.

8 A power failure occurred at the Newell Street front sampler, however, a co-located sample was taken.

9 A non-detect was found on 5/4/93; however, the laboratory detection limit was raised to 2.0 ug/PUF due to matrix interferences. The detection limit for that samples was 0.0054 $\mu g/m^3$.

Reference:
Zorex, November 1993 - Table 4

TABLE 6-3

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RFI REPORT FOR LYMAN STREET PARKING LOT/OXBOW AREA E AND USEPA AREA 5A

24-HOUR LOW-VOLUME AMBIENT PCB CONCENTRATIONS[1]
METHOD 608 (HIGH RESOLUTION)[2] - MAY THROUGH AUGUST 1993
(Results are presented in micrograms per cubic meter (ug/m^3)

Date	191 Newell Rear	191 Newell Rear Co-Located	Lyman	Silver Lake
May 4, 1993	0.029	0.034	0.057	0.073[3]
May 20, 1993	ND	ND	0.071[4]	0.072
June 3, 1993	ND[5]	ND	ND	0.073[6]
June 18, 1993	0.073[6]	0.087[6](0.025)	0.058[6](0.028)	0.14[6](0.11)
July 3, 1993	ND	ND	ND	ND
July 18, 1993	0.058	NA[7]	ND	0.15
August 2, 1993	0.14	0.13	0.10	0.35
August 17, 1993	0.092	0.10	0.071	0.25
Mean Concentration	0.055	0.056(0.048)	0.050(0.046)	0.14(0.14)
Max 24-Hour Occurrence Date of Occurrence	0.14 8/2/93	0.13 8/2/93	0.10 8/2/93	0.35 8/2/93
Min 24-Hour Occurrence Date of Occurrence[8]	ND —	ND —	ND —	ND 7/3/93

Notes:

ND Non-Detect (ND) samples had a detection limit (DL) of 0.029 ug/m^3 unless otherwise noted.
1 Quantified as Aroclor 1254 unless otherwise noted.
2 Results of the Method 608 analyses are presented without parentheses; results of the high resolution GC/MS analyses (where performed) are presented in parentheses.
3 A power failure occurred on 5/4/93 at silver Lake Boulevard. Samples were collected on 5/6 - 5/7/93
4 Quantified as Aroclor 1260
5 Samples had a DL of 0.032 ug/m^3.
6 Quantified as Aroclor 1248.
7 Samples invalidated due to sampling system problems.
8 "__" Indicates a Non-Detect (ND) was found on more than one date.

Reference:

Zorex, November 1993 - Table 5

TABLE 7-1

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF HOUSATONIC RIVER SURFACE WATER DATA
(Results Presented in Parts Per Million, ppm)

Location ID:	LSB-OS-1	LS-HR-1	LS-HR-2	LS-HR-3	LS-HR-4
Date:	10/28/94	10/13/95	10/13/95	10/13/95	10/13/95
VOLATILE ORGANIC COMPOUNDS (VOCs)					
Acetone	0.009J	ND(0.01)	0.005J [ND(0.01)]	ND(0.01)	ND(0.01)
Benzene	0.004J	0.001J	0.003J [0.003J]	0.001J	0.001J
Cis 1,2-Dichloroethene	--	ND(0.005)	0.21D [0.18D]	0.003J	0.003J
trans- 1,2-Dichloroethene	ND(0.005)	ND(0.005)	0.001J [ND(0.005)]	ND(0.005)	ND(0.005)
Chlorobenzene	0.085	0.01	0.064 [0.056]	0.009	0.008
Chloroform	ND(0.005)	ND(0.005)	0.058 [0.054]	0.002J	0.002J
Carbon Tetrachloride	0.017	ND(0.005)	0.11 [0.11]	0.001J	0.002J
1,2-Dichloroethane	0.012	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)	ND(0.005)
Methylene Chloride	0.001BJ	ND(0.005)	ND(0.005) [ND(0.005)]	ND(0.005)	ND(0.005)
Trichloroethene	0.018	0.002J	0.18 [0.18]	0.003J	0.003J
Tetrachloroethene	ND(0.005)	ND(0.005)	ND(0.005) [0.001J]	ND(0.005)	ND(0.005)
Vinyl Chloride	0.033	ND(0.005)	0.017 [0.015]	0.002J	0.001J
Xylene(total)	0.002J	ND(0.005)	0.002JX [0.002JX]	ND(0.005)	ND(0.005)
SEMIVOLATILE ORGANIC COMPOUNDS (SVOCs)					
1,3-Dichlorobenzene	0.006J(0.008J RE)	NA	NA [NA]	NA	NA
1,4-Dichlorobenzene	ND(0.011)(0.009J RE)	NA	NA [NA]	NA	NA
1,2,4-Trichlorobenzene	0.021(0.026 RE)	NA	NA [NA]	NA	NA
Di-n-Butyl Phthalate	0.004J(0.01 RE)	NA	NA [NA]	NA	NA
Bis(2-Ethylhexyl)Phthalate	ND(0.011)(0.049B RE)	NA	NA [NA]	NA	NA
POLYCHLORINATED BIPHENYLS (PCBs)					
Total Aroclors	ND(0.001)	NA	NA [NA]	NA	NA

NOTES:

1. Samples collected 10/28/94 were collected by Blasland, Bouck & Lee, Inc., and submitted to Quanterra Environmental Services for VOC analysis.
2. -- = Data not reported by laboratory.
3. ND(0.32) - Compound was analyzed for, but not detected. The number in parenthesis is the detection limit.
4. [ ] - Field duplicate analysis.
5. J - Indicates an estimated value less than the CLP - required quantitation limit.
6. NA = Not Analyzed
7. D - Analysis was performed at a secondary dilution factor.
8. B - Indicates the compound was found in the associated blank as well as in the sample.
9. E - Compound exceeded calibration range.
10. X - Data has been manually integrated.
11. RE = Reanalysis

Figures

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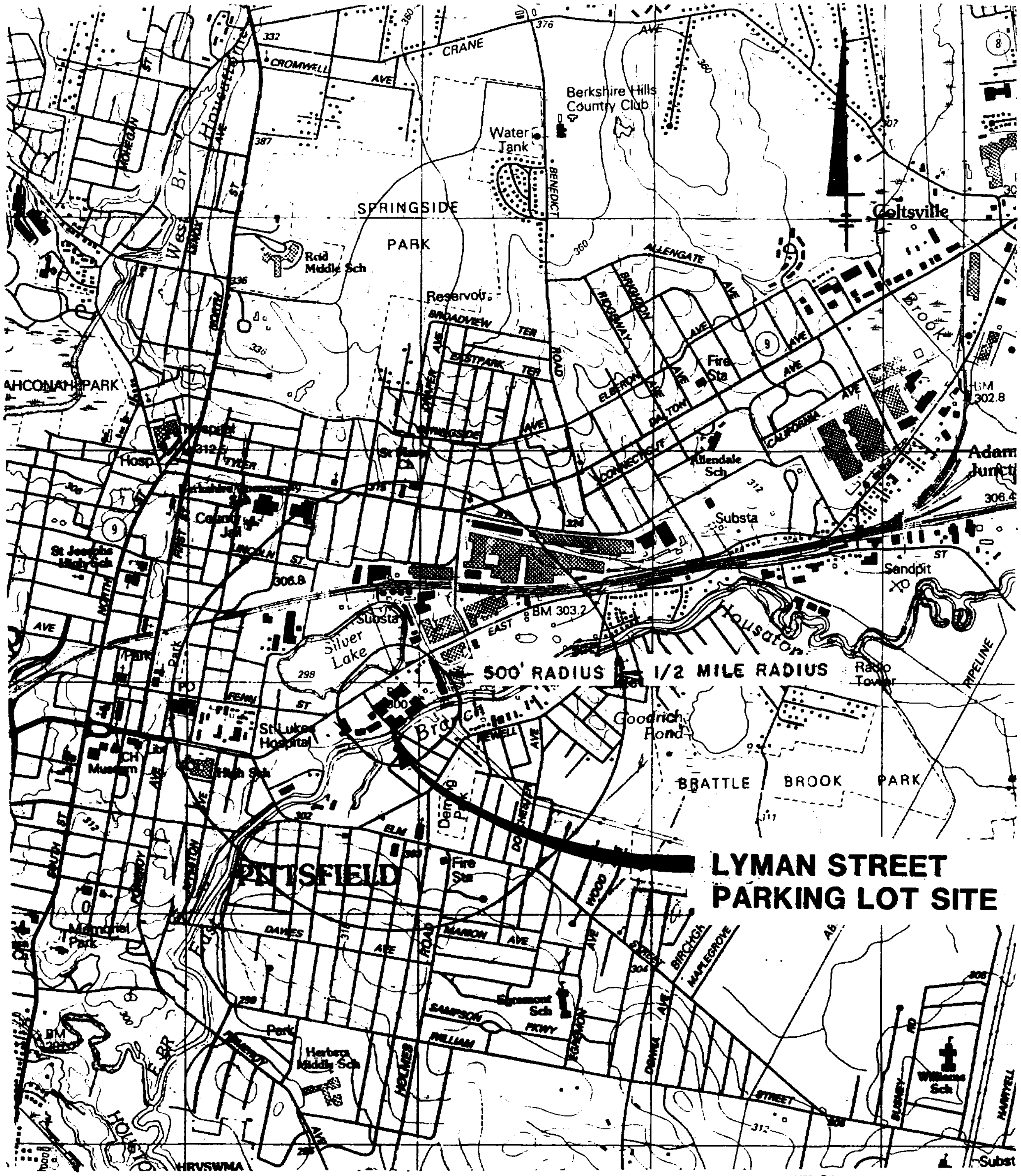
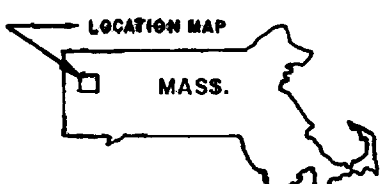
3



REFERENCE: PITTSFIELD EAST MASS. QUAD.

2000' 0 2000'

APPROX. SCALE: 1" = 2000'



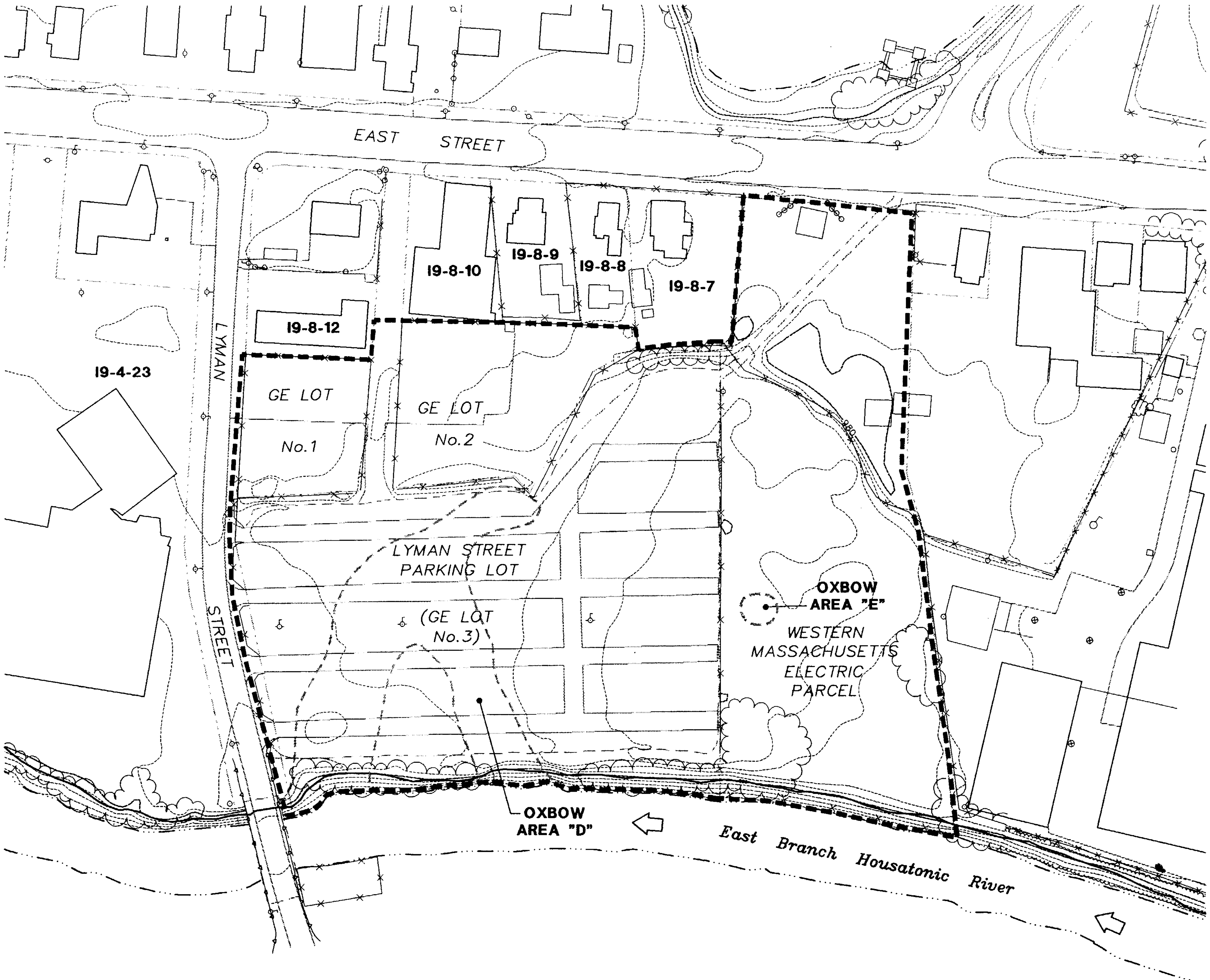
FEB. 1992
201-14.01

BLASLAND, BOUCK & LEE INC.
ENGINEERS & SCIENTISTS

GENERAL ELECTRIC COMPANY • PITTSFIELD MASSACHUSETTS
MCP SUPPLEMENTAL PHASE II/RCRA FACILITY
INVESTIGATION REPORT FOR LYMAN STREET
PARKING LOT/USEPA AREA 5A

LOCATION PLAN

FIGURE 1-1



LEGEND:

- APPROX. SITE BOUNDARY
- APPROX. PROPERTY BOUNDARY
- 19-8-8 TAX ASSESSOR'S PROPERTY IDENTIFICATION NUMBER
- LIMIT OF APPROX. 10-YEAR FLOODPLAIN
- EDGE OF WATER
- PAVED ROADWAY
- UNPAVED ROADWAY
- LIGHT POLE (NON UTILITY)
- MANHOLE
- 970 INDEX ELEVATION CONTOUR
- INTERMEDIATE ELEVATION CONTOUR
- VEGETATION
- APPROXIMATE FENCE LINE
- APPROXIMATE BOUNDARY OF FORMER OXBOW

0 100' 200'

SCALE: 1" = 100'

NOTES:

1. THE BASE MAP FEATURES PRESENTED ON THIS FIGURE WERE PHOTOGRAMMETRICALLY MAPPED FROM APRIL 1990 AERIAL PHOTOGRAPHS.
2. DELINEATION OF APPROXIMATE 10–YEAR FLOODPLAIN IS BASED ON HEC–2 HYDRAULIC MODELING PERFORMED BY BLASLAND & BOUCK ENGINEERS, P.C. (1991) AND AVAILABLE TOPOGRAPHIC MAPPING.
3. PROPERTY BOUNDARY INFORMATION OBTAINED FROM CITY OF PITTSFIELD'S TAX ASSESSORS' OFFICE AND IS CURRENT THROUGH DECEMBER 31, 1991.

GENERAL ELECTRIC
PITTSFIELD, MASSACHUSETTS

LYMAN ST PARKING LOT/ USEPA AREA 5A

SITE PLAN

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FIGURE 1-2

8/24/96 SYR TWD PMC DMW
20114040/20114B23.DWG

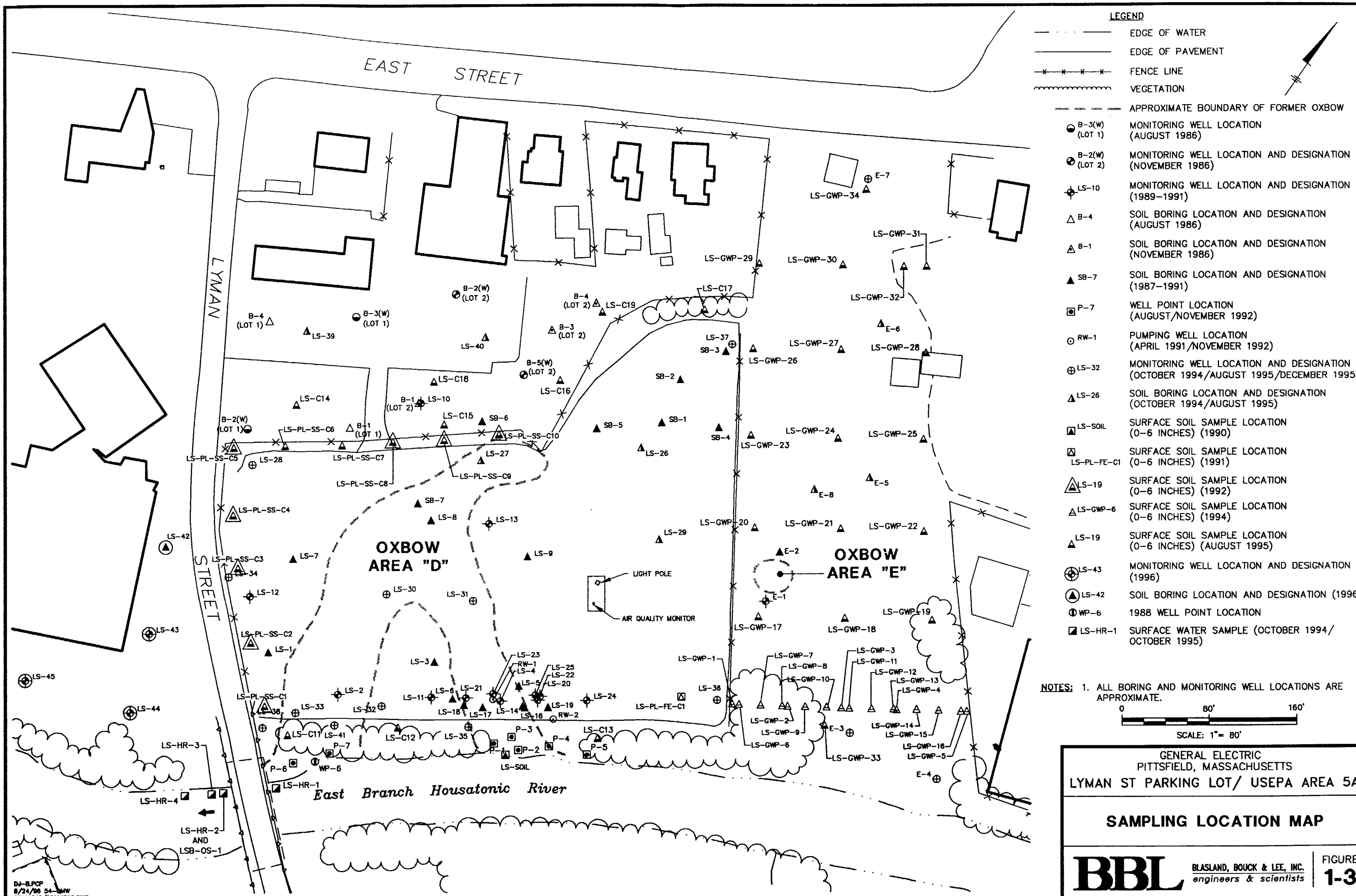
EAST STREET
LYMAN STREET
OXBOW AREA "D"
OXBOW AREA "E"
East Branch Housatonic River
LIGHT POLE
AIR QUALITY MONITOR
LEGEND
EDGE OF WATER
EDGE OF PAVEMENT
FENCE LINE
VEGETATION
APPROXIMATE BOUNDARY OF FORMER OXBOW
B-3(W) (LOT 1) MONITORING WELL LOCATION (AUGUST 1986)
B-2(W) (LOT 2) MONITORING WELL LOCATION AND DESIGNATION (NOVEMBER 1986)
LS-10 MONITORING WELL LOCATION AND DESIGNATION (1989-1991)
B-4 SOIL BORING LOCATION AND DESIGNATION (AUGUST 1986)
B-1 SOIL BORING LOCATION AND DESIGNATION (NOVEMBER 1986)
SB-7 SOIL BORING LOCATION AND DESIGNATION (1987-1991)
P-7 WELL POINT LOCATION (AUGUST/NOVEMBER 1992)
RW-1 PUMPING WELL LOCATION (APRIL 1991/NOVEMBER 1992)
LS-32 MONITORING WELL LOCATION AND DESIGNATION (OCTOBER 1994/AUGUST 1995/DECEMBER 1995)
LS-26 SOIL BORING LOCATION AND DESIGNATION (OCTOBER 1994/AUGUST 1995)
LS-SOIL SURFACE SOIL SAMPLE LOCATION (0-6 INCHES) (1990)
LS-PL-FE-C1 SURFACE SOIL SAMPLE LOCATION (0-6 INCHES) (1991)
LS-19 SURFACE SOIL SAMPLE LOCATION (0-6 INCHES) (1992)
LS-GWP-6 SURFACE SOIL SAMPLE LOCATION (0-6 INCHES) (1994)
LS-19 SURFACE SOIL SAMPLE LOCATION (0-6 INCHES) (AUGUST 1995)
LS-43 MONITORING WELL LOCATION AND DESIGNATION (1996)
LS-42 SOIL BORING LOCATION AND DESIGNATION (1996)
WP-6 1988 WELL POINT LOCATION
LS-HR-1 SURFACE WATER SAMPLE (OCTOBER 1994/OCTOBER 1995)
NOTES: 1. ALL BORING AND MONITORING WELL LOCATIONS ARE APPROXIMATE.
0 80' 160'
SCALE: 1"= 80'
GENERAL ELECTRIC
PITTSFIELD, MASSACHUSETTS
LYMAN ST PARKING LOT/ USEPA AREA 5A
SAMPLING LOCATION MAP
BBL
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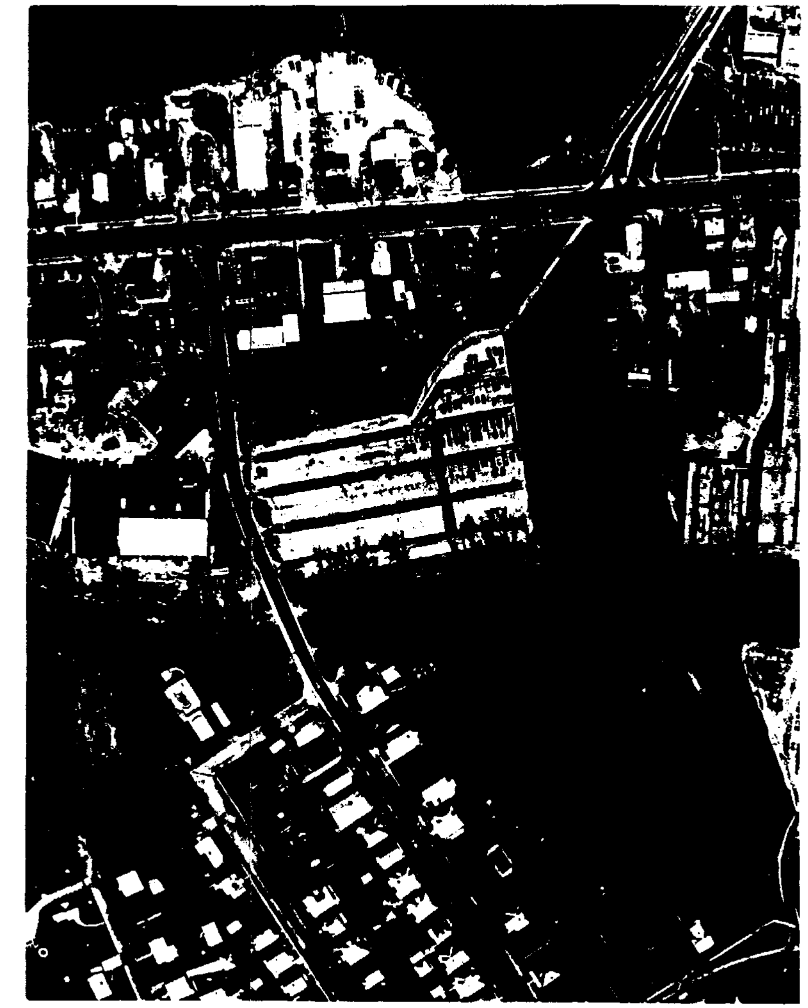
FIGURE
1-3
DJ-B.PCP
8/24/96 54-GMW
20114040/20114818.DWG

DATE: JULY 13, 1942

DATE: NOVEMBER 24, 1956



DATE: APRIL 23, 1990

330 0 330 660

APPROX. SCALE: 1" = 330'

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INVESTIGATION REPORT FOR LYMAN STREET
PARKING LOT/USEPA AREA 5A

SELECT HISTORICAL AERIAL PHOTOGRAPHS

FIGURE **2-1**

DEC.1993
201.14.01

LEGEND
EDGE OF WATER
EDGE OF PAVEMENT
FENCE LINE
VEGETATION
MONITORING WELL LOCATION
PUMPING WELL LOCATION
WELL POINT LOCATION
SOIL BORING LOCATION AND DESIGNATION
CROSS SECTION LOCATION
EAST STREET
LYMAN STREET
East Branch Housatonic River
LIGHT POLE
AIR QUALITY MONITOR
A
A'
B
B'
NOTES:
1. ALL BORING AND MONITORING WELL LOCATIONS ARE APPROXIMATE.
SCALE: 1"= 80'
0
80'
160'
GENERAL ELECTRIC
PITTSFIELD, MASSACHUSETTS
LYMAN ST PARKING LOT/ USEPA AREA 5A
CROSS SECTION LOCATION MAP
BBL
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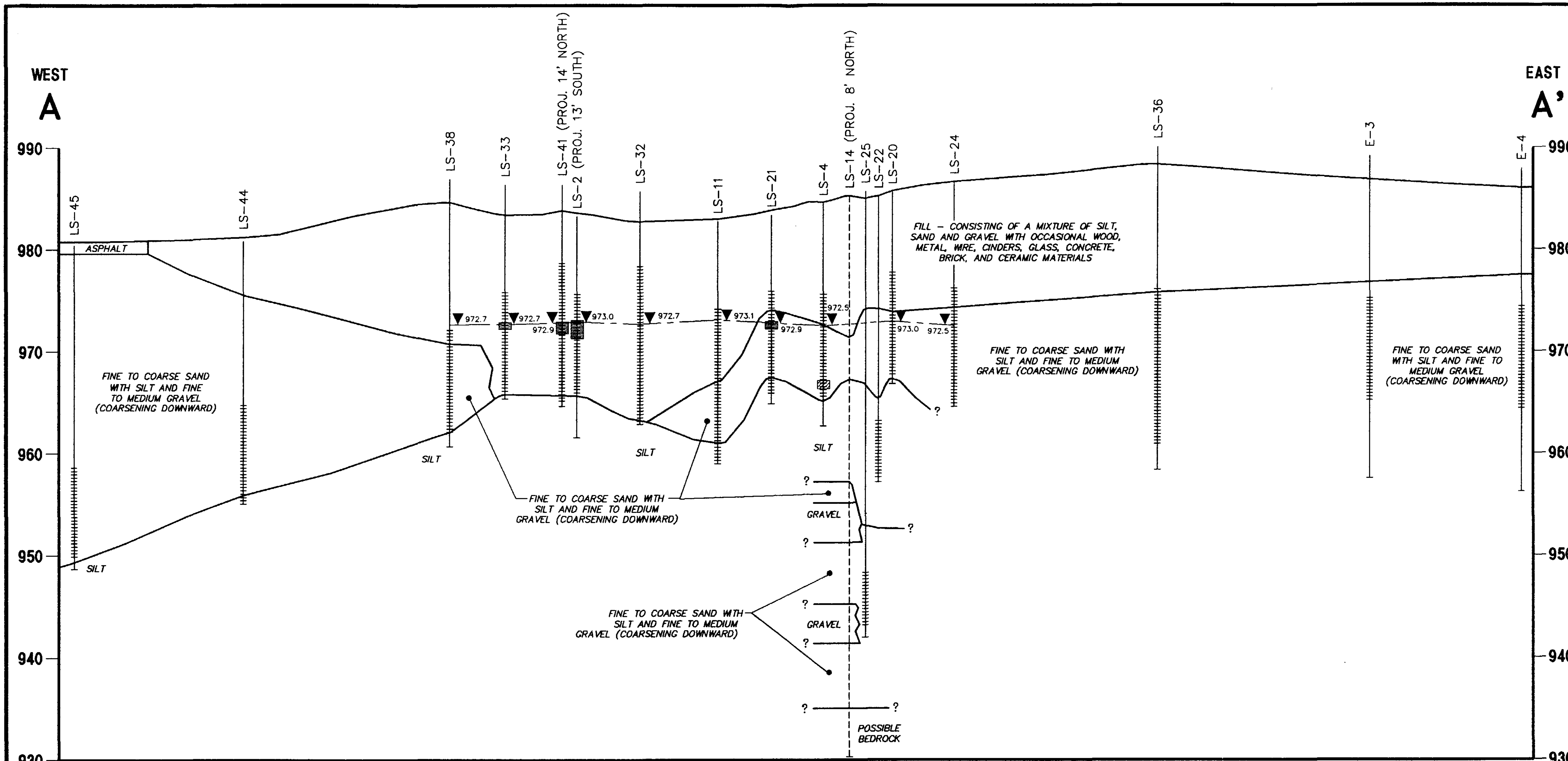
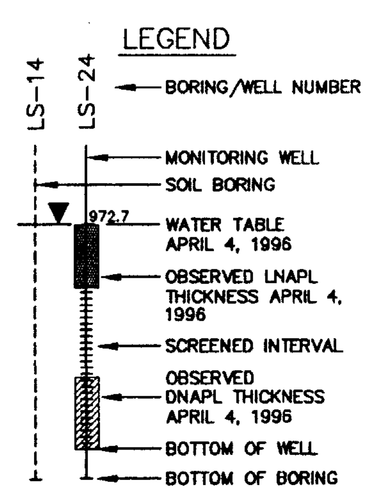
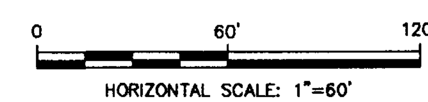
FIGURE 2-2
DJ-B.PCP
8/24/96
20114040/20114822.DWG







NOTES:

1. ELEVATIONS REFERENCED TO NGVD OF 1929.
2. DNAPL = DENSE NON-AQUEOUS PHASE LIQUID.
3. LNAPL = LIGHT NON-AQUEOUS PHASE LIQUID
4. WATER LEVEL ELEVATION CORRECTED FOR LNAPL SPECIFIC GRAVITY = 0.93.

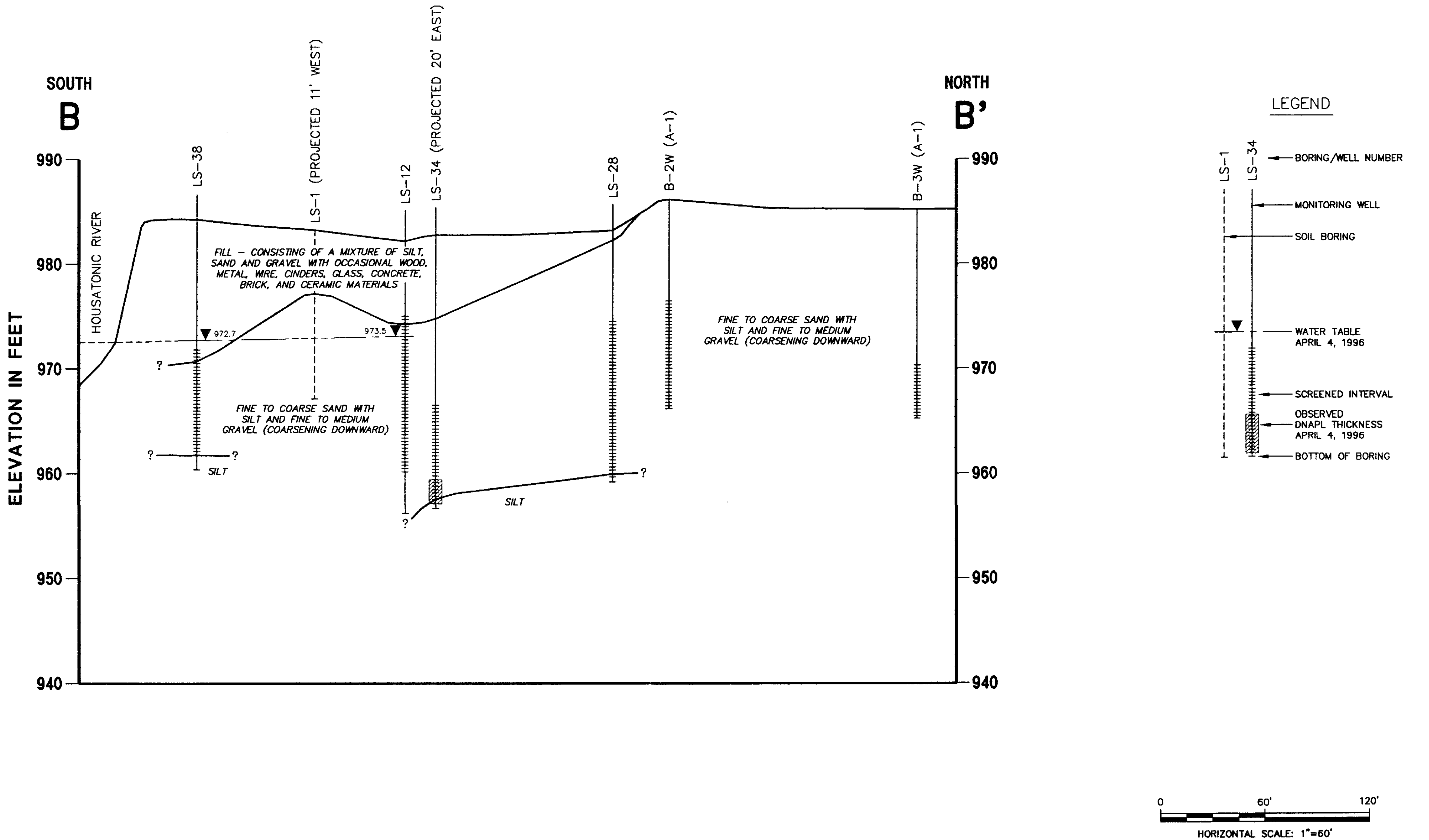
P: DL-8
6/24/96 SYR-54-DMW
20114040/20114CSA.DWG

GENERAL ELECTRIC
PITTSFIELD, MASSACHUSETTS
LYMAN ST PARKING LOT/ USEPA AREA 5A

GEOLOGIC CROSS SECTION A-A'

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 2-3



NOTES:

1. ELEVATIONS REFERENCED TO NGVD OF 1929.
2. DNAPL = DENSE NON-AQUEOUS PHASE LIQUID.

GENERAL ELECTRIC
PITTSFIELD, MASSACHUSETTS
LYMAN ST PARKING LOT/ USEPA AREA 5A

GEOLOGIC CROSS SECTION B-B'

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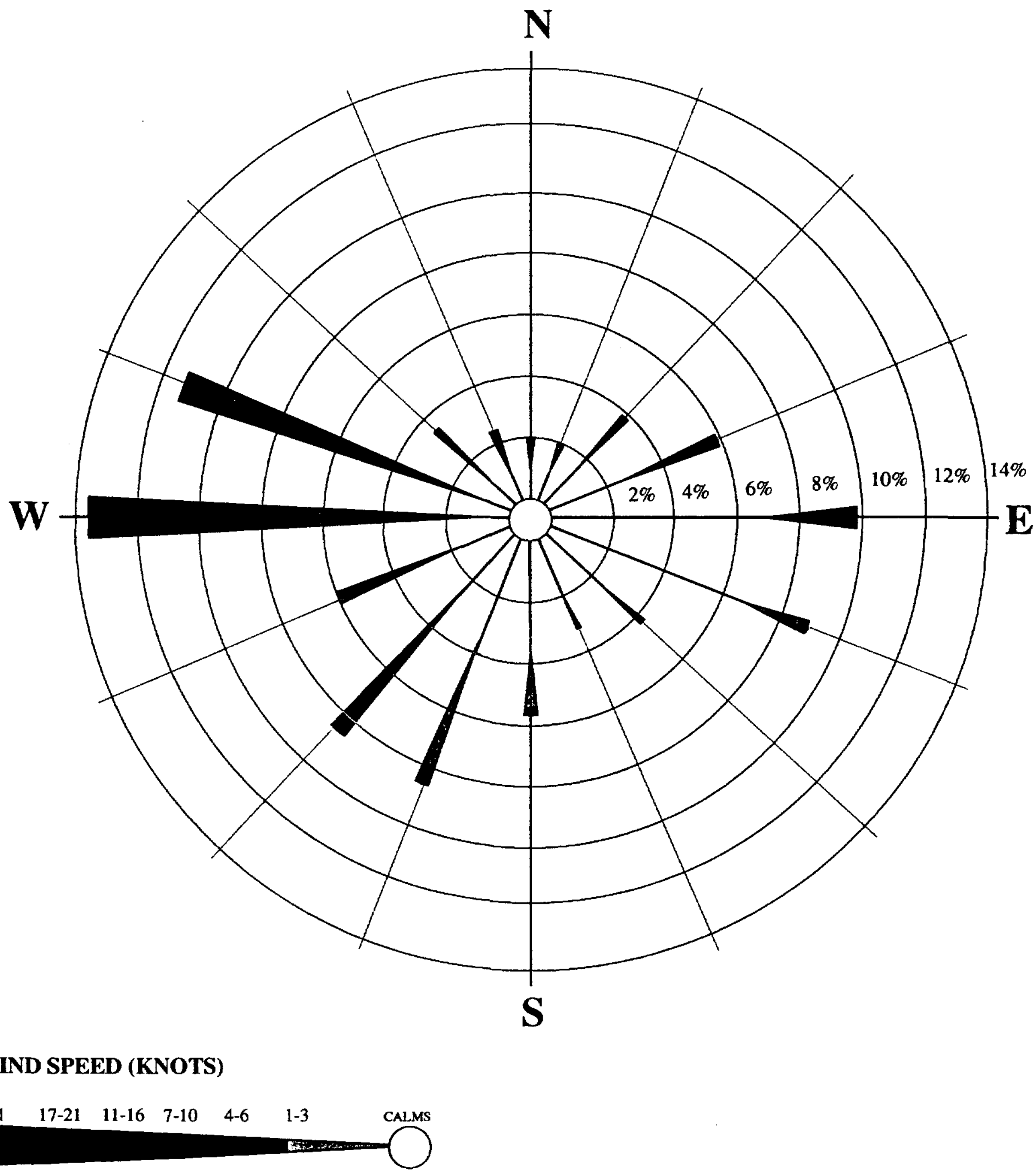
FIGURE 2-4

P: DL-8
6/24/96 SYR-54-DMW
20114040/20114CSB.DWG



NOTES:

1. INFORMATION WAS COLLECTED BY ZOREX ENVIRONMENTAL ENGINEERS, INC., DURING JANUARY 1 THROUGH DECEMBER 31, 1992 FROM A METEOROLOGICAL STATION LOCATED IN EAST STREET AREA 2/USEPA AREA 4.
2. FREQUENCIES INDICATE DIRECTION FROM WHICH THE WIND IS BLOWING.
3. CALM WINDS 2.94%.

BLASLAND, BOUCK & LEE, INC.
ENGINEERS & SCIENTISTS

GENERAL ELECTRIC COMPANY • PITTSFIELD MASSACHUSETTS
MCP SUPPLEMENTAL PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR LYMAN STREET PARKING LOT/USEPA AREA 5A

1992 WIND ROSE

FIGURE **2-5**

01/94 54-PMC
2011401R/20114G01.CDR

E-1 4/91	
Depth (ft):	PCBs
2-4	0.35
6-8	0.16

E-2 4/91	
Depth (ft):	PCBs
0-2	0.79
2-4	0.46
4-6	0.23
6-8	1.35
8-10	0.28
10-12	0.25
12-14	0.97
14-16	0.76
16-18	0.15

E-3 8/9/95	
Depth (ft)	PCBs
0-2	22/19
2-4	7.7
4-6	15
6-8	2.4
10-12	0.073 [0.084]
12-14	0.18
14-16	0.063
16-18	ND
20-22	ND

E-4 8/9/95	
Depth (ft)	PCBs
0-2	2.0/6.6
2-4	1.5
4-6	2
6-8	0.38
8-10	0.17
10-12	ND
12-14	ND
14-16	ND
16-18	ND
18-20	ND
20-22	ND

E-5 8/10/95	
Depth (ft)	PCBs
0-2	2.4
2-4	ND
4-6	ND
6-8	ND
8-10	ND
10-14	ND
12-14	0.47
14-16	ND [ND]
16-18	ND

E-6 8/16/95	
Depth (ft)	PCBs
0-2	4.2/1.5
2-4	0.56 [0.82]
4-6	1.2
6-8	0.38
8-10	0.8

E-7 8/7/95	
Depth (ft)	PCBs
0-2	0.33
2-4	ND
4-6	ND
4-6	0.097/ND
6-8	ND
8-10	ND
10-12	ND
12-14	ND
14-16	ND
16-18	ND
18-20	ND

E-8 8/9/95	
Depth (ft)	PCBs
18-20	ND

LS-2 8/89	
Depth (ft)	PCBs
0-4	6
4-8	7300
8-12	25000
18-22	19

LS-4 8/89	
Depth (ft)	PCBs
0-6	17
6-12	1100
12-18	830
18-22	190

LS-7 10/90	
Depth (ft)	PCBs
0-2	130
2-4	1.5
4-6	4.7
6-8	15
8-10	21
10-12	13
12-14	0.09
14-16	0.27
16-18	1.1

LS-8 10/90	
Depth (ft)	PCBs
0-2	5.6
2-4	130
4-6	8.1
6-8	8.1
8-10	2900
10-12	5800
12-14	8300
14-16	4800
16-18	3900
18-20	2500
20-22	990
22-24	130

LS-9 10/90	
Depth (ft)	PCBs
0-2	16
2-4	1.5
4-6	1.8
6-8	1.6
8-10	2.3
10-12	2
12-14	2.1
14-16	1.8 D
16-18	1.5
18-20	0.61

LS-10 10/90	
Depth (ft)	PCBs
0-2	0.51
2-4	8.9
4-6	0.45
6-8	3.1
8-10	0.1
10-12	0.14 J
12-14	1.4
14-16	0.73
16-18	4.4
18-20	0.28
20-22	0.31
22-24	0.46

LS-11 10/90	
Depth (ft)	PCBs
0-2	24
2-4	1300
4-6	290000
6-8	2000
8-10	22000
10-12	11000 D
12-14	640
14-16	4700
16-18	440
18-20	9.3
20-22	14
22-24	6.1

LS-12 10/90	
Depth (ft)	PCBs
2-4	2.2
6-8	4.9
10-12	0.96
14-16	0.29
18-20	310
24-26	23

LS-13 10/90	
Depth (ft)	PCBs
2-4	2300
6-8	580
10-12	410
14-16	3700
18-20	560
22-24	70

LS-26 8/10/95	
Depth (ft)	PCBs
0-2	2
10-12	ND

LS-27 8/11/95	
Depth (ft)	PCBs
0-2	11
2-4	0.83/1.19
4-6	7
8-10	1.4
10-12	0.48
12-14	0.4
14-16	0.12
16-18	ND
18-20	ND

LS-28 8/14/95	
Depth (ft)	PCBs
0-2	0.63
2-4	1.3
4-6	3.1
6-8	ND
8-10	3.6
10-12	0.25/0.26
12-14	ND
14-16	ND
16-18	ND
18-20	ND [ND]
20-22	ND
22-24	ND

LS-29 8/8/95	
Depth (ft)	PCBs
0-2	28
10-12	0.19
30-32	ND
32-34	ND

LS-30 8/14/95	
Depth (ft)	PCBs
0-2	409
10-12	5800
12-14	980
14-16	4400/2500
16-18	4200
18-20	130

LS-31 8/15/95	
Depth (ft)	PCBs
0-2	890
10-12	2900
12-14	2150
14-16	418
16-18	560
18-20	447/320

LS-32 10/12/94	
Depth (ft)	PCBs
2-4	5300

LS-33 10/12/94	
Depth (ft)	PCBs
0-2	6
2-4	2.1
4-6	2.2
6-8	1.3
8-10	0.87
10-12	0.71
12-14	0.9
14-16	590
16-18	145

LS-34 12/14/95	
Depth (ft):	PCBs
0-2	0.73 [0.32]
2-4	0.27
4-6	0.53
6-8	0.43
8-10	0.061
10-12	ND
12-14	0.063
14-16	ND
16-18	ND
18-20	0.055
20-22	0.41
22-24	1700/1600
24-26	33

LS-35 8/15/95	
Depth (ft)	PCBs
0-2	29 [35]
12-14	1000

LS-36 8/7/95	
Depth (ft)	PCBs
0-2	0.31
2-4	5.3
4-6	5.1 [7.0]
6-8	ND
8-10	0.22
10-12	0.098
12-14	ND
14-16	ND
16-18	ND/0.11
18-20	ND
20-22	ND
22-24	ND
24-26	ND
26-28	ND
28-30	ND

LS-37 8/8/95	
Depth (ft)	PCBs
0-2	0.18
2-4	0.16
4-6	ND
6-8	ND [ND]
8-10	ND
10-12	ND
12-14	ND
14-16	ND
16-18	ND
18-20	ND
20-22	ND
22-24	ND

LS-38 8/14/95	
Depth (ft)	PCBs
0-2	2.8
2-4	0.097
4-6	0.65
6-8	0.64
12-14	0.051
14-16	ND
16-18	ND
18-20	ND
22-24	3.5

LS-39 8/10/95	
Depth (ft)	PCBs
0-2	ND
2-4	ND
4-6	ND
6-8	ND
8-10	ND
10-12	ND
12-14	ND

LS-40 8/10/95	
Depth (ft)	PCBs
0-2	ND
2-4	ND
4-6	ND
6-8	ND
8-10	ND
10-12	ND

LS-41 12/13/95	
Depth (ft)	PCBs
10-12	3400
12-14	1000
14-16	4.3
16-18	33
18-20	82

LS-42 4/96	
Depth (ft):	PCBs
0-2	5.6
2-4	0.1
4-6	ND
6-8	ND
8-10	ND
10-12	ND
12-14	ND
14-16	ND
16-18	2.0
18-20	0.18 [0.15]
20-22	0.051
22-24	0.38

LS-43 4/96	
Depth (ft):	PCBs
0-2	0.54
2-4	0.58
4-6	1.1
8-10	0.094
10-12	ND
12-14	0.082
14-16	ND
16-18	0.17
18-20	0.13
20-22	0.099
22-24	7.1
24-26	260 [71]

LS-44 4/96	
Depth (ft):	PCBs
0-2	3.8
2-4	22
4-6	0.13
6-8	0.67
8-10	5.0
10-12	ND
12-14	0.14
14-16	1.6
16-18	0.083
18-20	ND
20-22	0.3
22-24	0.072
24-26	ND

LS-45 4/96	
Depth (ft):	PCBs
0-2	2.3
2-4	26
4-6	8.3
6-8	1.1
8-10	0.61
10-12	0.092
12-14	0.081 [ND]
14-16	5.9
16-18	0.85
18-20	0.41
20-22	0.52
22-24	ND
24-26	0.88
26-28	0.14
28-30	0.063
30-32	ND

LS-GWP-1 11/21/94	
Depth (ft)	PCBs
0-1.75	3600
1.75-3.5	610

LS-GWP-2 11/21/94	
Depth (ft)	PCBs
0-1.75	34
1.75-3.5	15

LS-GWP-3 11/21/94	
Depth (ft)	PCBs
0-1.75	1020
1.75-3.5	300

LS-GWP-4 11/21/94	
Depth (ft)	PCBs
0-1.75	5.1
1.75-3.5	2.7

LS-GWP-5 11/21/94	
Depth (ft)	PCBs
0-1.75	6.5
1.75-3.5	1.5

SURFICIAL SAMPLES			
Location ID	Date	Depth	PCBs
LS-PL-FE-C1	06/26/91	0-1	26
LS-PL-SS-C1	04/20/92	0-0.3	5.3
LS-PL-SS-C2	04/20/92	0-0.3	0.9
LS-PL-SS-C3	04/20/92	0-0.3	0.8
LS-PL-SS-C4	04/20/92	0-0.3	1.2
LS-PL-SS-C5	04/20/92	0-0.3	4.6
LS-PL-SS-C6	04/20/92	0-0.3	2.2
LS-PL-SS-C7	04/20/92	0-0.3	5
LS-PL-SS-C8	04/20/92	0-0.3	2.6
LS-PL-SS-C9	04/20/92	0-0.3	60
LS-PL-SS-C10	04/20/92	0-0.3	2.1
LS-C-11	8/30/95	0-0.5	2.4
LS-C-12	8/30/95	0-0.5	1.2
LS-C-13	8/30/95	0-0.5	56
LS-C-14	8/30/95	0-0.5	7.3
LS-C-15	8/30/95	0-0.5	0.14
LS-C-16	8/30/95	0-0.5	0.14 [0.14]
LS-C-17	8/30/95	0-0.5	1
LS-C-18	8/30/95	0-0.5	ND
LS-C-19	8/30/95	0-0.5	0.14
LS-GWP-6	12/16/94	0-0.5	54
LS-GWP-7	12/16/94	0-0.5	35
LS-GWP-8	12/16/94	0-0.5	30
LS-GWP-9	12/16/94	0-0.5	130
LS-GWP-10	12/16/94	0-0.5	150
LS-GWP-11	12/16/94	0-0.5	15
LS-GWP-12	12/16/94	0-0.5	26
LS-GWP-13	12/16/94	0-0.5	32 [33]
LS-GWP-14	12/16/94	0-0.5	13
LS-GWP-15	12/16/94	0-0.5	32
LS-GWP-16	12/16/94	0-0.5	62
LS-GWP-17	02/21/95	0-0.5	53
LS-GWP-18	02/21/95	0-0.5	33
LS-GWP-19	02/21/95	0-0.5	60
LS-GWP-20	02/21/95	0-0.5	21
LS-GWP-21	02/21/95	0-0.5	1.1
LS-GWP-22	02/21/95	0-0.5	32
LS-GWP-23	02/21/95	0-0.5	100
LS-GWP-24	02/21/95	0-0.5	1.3
LS-GWP-25	02/21/95	0-0.5	4.2
LS-GWP-26	02/21/95	0-0.5	16
LS-GWP-27	02/21/95	0-0.5	5.2
LS-GWP-28	02/21/95	0-0.5	0.3
LS-GWP-29	02/21/95	0-0.5	0.56
LS-GWP-30	02/21/95	0-0.5	2.3
LS-GWP-31	02/21/95	0-0.5	1.4
LS-GWP-32	02/21/95	0-0.5	NA
LS-GWP-33	8/30/95	0-0.5	25
LS-GWP-34	8/30/95	0-0.5	1.0 [0.91]
LS-SOIL	10/90	SURFACE	23.9

LEGEND

- EDGE OF WATER
- EDGE OF PAVEMENT
- FENCE LINE
- VEGETATION
- B-3(W) MONITORING WELL LOCATION
- RW-1 PUMPING WELL LOCATION
- P-7 WELL POINT LOCATION
- B-4 SOIL BORING LOCATION AND DESIGNATION
- LS-19 SURFACE SOIL SAMPLE LOCATION

LS-SOIL 10/90	
Depth (ft)	PCBs
Surface	23.9

SAMPLE LOCATION AND DATE

SAMPLE DEPTH AND DETECTED CONCENTRATION IN PARTS PER MILLION (ppm)

NOTES:

1. ALL BORING AND MONITORING WELL LOCATIONS ARE APPROXIMATE.
2. ONLY DETECTED ANALYTES ARE SHOWN.
3. BRACKETS INDICATE DUPLICATE SAMPLE.
4. J = ESTIMATED VALUE LESS THAN THE CLP-REQUIRED QUANTITATION LIMITS.
5. D = ANALYSIS PERFORMED AT A SECONDARY DILUTION FACTOR.
6. ND = NOT DETECTED.
7. 2.0/6.6 = SPLIT LABORATORY ANALYSIS.

0 100' 200'

SCALE: 1"=100'

GENERAL ELECTRIC
PITTSFIELD, MASSACHUSETTS
LYMAN ST PARKING LOT/ USEPA AREA 5A

PCB SOIL ANALYTICAL RESULTS

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 4-1

20114040/20114806.DWG 6/24/96 54-DMW DJ-B.PCP

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E-3 8/9/95	
Depth (ft):	0-2
4,4'-DDT	0.62
Endosulfan I	0.065 J
Heptachlor Epoxide	0.15

E-4 8/9/95	
Depth (ft):	0-2
4,4'-DDE	0.014 J
4,4'-DDT	0.082
Endrin Aldehyde	0.019 J

E-6 8/16/95	
Depth (ft):	0-2
4,4'-DDE	0.019 J
4,4'-DDT	0.03
Endrin Aldehyde	0.016 J

LS-SOIL 10/90	
Depth (ft):	Surface
BHC-beta	3

LS-7 10/90	
Depth (ft):	14-16
Aldrin	0.017 D

LS-8 10/90	
Depth (ft):	16-18
Aldrin	150 JD

LS-9 10/90	
Depth (ft):	14-16
BHC-beta	0.021
Endosulfan I	0.059 D

LS-11 10/90	
Depth (ft):	10-12
Aldrin	170 JD

LS-27 8/11/95	
Depth (ft):	2-4
4,4'-DDT	0.06
Dieldrin	0.056
Endosulfan I	0.024
Endosulfan II	0.029
Heptachlor Epoxide	0.015 J

LS-28 8/14/95	
Depth (ft):	10-12
Beta-BHC	0.0017
4,4'-DDD	0.00094
4,4'-DDE	0.0041
4,4'-DDT	0.003
Endrin Aldehyde	0.012
Heptachlor Epoxide	0.0012

LS-29 8/8/95	
Depth (ft):	10-12
Beta-BHC	0.0010 J
4,4'-DDE	0.0012 J

LS-30 8/14/95	
Depth (ft):	14-16
4,4'-DDE	26
4,4'-DDT	12
Endrin	3.4
Endrin Aldehyde	11
Heptachlor Epoxide	10.9

LS-31 8/15/95	
Depth (ft):	18-20
Lindane	0.48 J
4,4'-DDD	0.44 J
4,4'-DDE	4.1
4,4'-DDT	2.8
Endrin	0.72
Endrin Aldehyde	1.9
Heptachlor	0.91
Heptachlor Epoxide	2.2

LS-32 10/12/94	
Depth (ft):	2-4
Dinoseb	0.055 J

LS-33 10/12/94	
Depth (ft):	16-18
BHC-alpha	0.0021
BHC-delta	0.00059 J
Lindane	0.0041
Heptachlor	0.0066
4,4'-DDD	0.015

LS-34 12/14/95	
Depth (ft):	22-24
4,4'-DDE	46
4,4'-DDT	22
Endrin Aldehyde	15

LS-35 8/15/95	
Depth (ft):	12-14
4,4'-DDT	7.6
Heptachlor Epoxide	15

LS-36 8/7/95	
Depth (ft):	16-18
4,4'-DDT	0.0014 J
Dieldrin	0.0016 J
Endrin	0.0026

LS-37 8/8/95	
Depth (ft):	6-8
4,4'-DDT	0.0012 J
Dieldrin	0.002
Endrin	0.0036

LS-43 4/96	
Depth (ft):	22-24
4,4'-DDD	0.15
4,4'-DDE	0.35
Dieldrin	0.096

LS-C-11 8/30/95	
Depth (ft):	0-0.5
Dieldrin	0.095
Endosulfan II	0.099

LS-C-12 8/30/95	
Depth (ft):	0-0.5
Beta-BHC	0.011 J
4,4'-DDE	0.018
Endosulfan II	0.013 J
Heptachlor Epoxide	0.012 J

LS-C-13 8/30/95	
Depth (ft):	0-0.5
Beta-BHC	0.31 J
4,4'-DDE	0.75
4,4'-DDT	0.63

LS-C-18 8/30/95	
Depth (ft):	0-0.5
Endrin Aldehyde	0.0032

LS-GWP-33 8/30/95	
Depth (ft):	0-0.5
4,4'-DDE	0.18 J

LS-GWP-34 8/30/95	
Depth (ft):	0-0.5
4,4'-DDE	0.014 J [0.01 J]
4,4'-DDT	0.031 [ND]
Dieldrin	0.036 [ND]
Endosulfan II	0.017 J [ND]
Endrin	0.073 [ND]
Endrin Aldehyde	ND [0.027]

LEGEND

EDGE OF WATER

EDGE OF PAVEMENT

FENCE LINE

VEGETATION

B-3(W) MONITORING WELL LOCATION

RW-1 PUMPING WELL LOCATION

P-7 WELL POINT LOCATION

B-4 SOIL BORING LOCATION AND DESIGNATION

LS-19 SURFACE SOIL SAMPLE LOCATION

LS-7 10/90		
Depth (ft):	14-16	SAMPLE LOCATION AND DATE
Aldrin	0.017 D	CONSTITUENT AND DETECTED CONCENTRATION IN PARTS PER MILLION (ppm)

NOTES:

1. ALL BORING AND MONITORING WELL LOCATIONS ARE APPROXIMATE.
2. ONLY DETECTED ANALYTES ARE SHOWN.
3. BRACKETS INDICATE DUPLICATE SAMPLE.
4. J = ESTIMATED VALUE LESS THAN THE CLP-REQUIRED QUANTITATION LIMITS.
5. D = ANALYSIS PERFORMED AT A SECONDARY DILUTION FACTOR.
6. ND = NOT DETECTED.

0 100' 200'

SCALE: 1"=100'

GENERAL ELECTRIC
PITTSFIELD, MASSACHUSETTS

LYMAN ST PARKING LOT/ USEPA AREA 5A

PESTICIDE/HERBICIDE SOIL ANALYTICAL RESULTS

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 4-2

20114040/20114B06.DWG 6/25/96 54-DMW DJ-B.PCP

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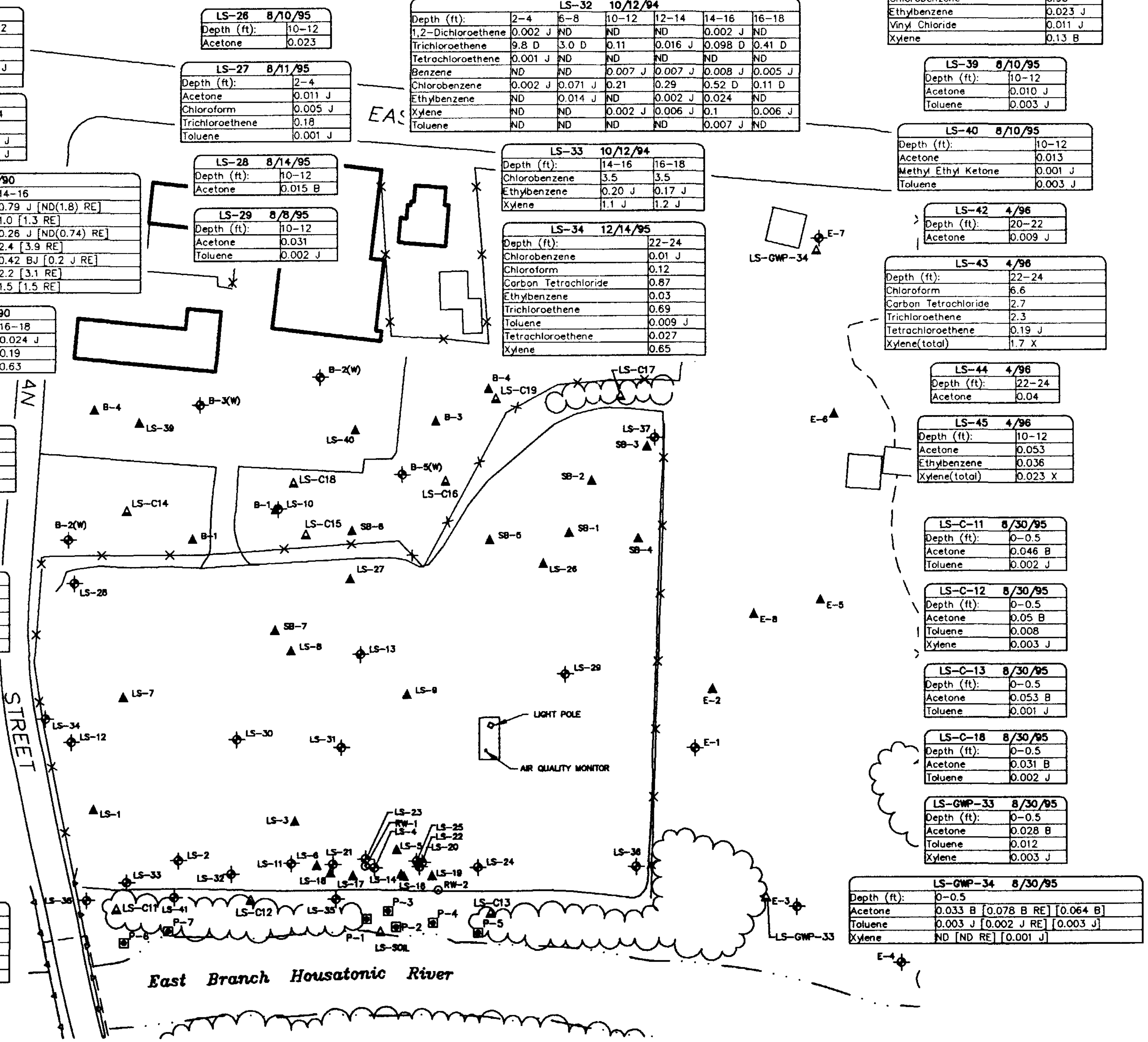

E-1 4/91		
Depth (ft):	10-12	20-22
Methylene Chloride	0.061 B	0.047 B
Acetone	0.053 B	0.050 B

E-2 4/91				
Depth (ft):	8-10	14-16	16-18	18-20
Methylene Chloride	0.056 B	0.025 B	0.026 B	0.028 B
Acetone	0.023 B	0.019 B	0.02 B	0.024 B

E-3 8/9/95	
Depth (ft):	0-2
Acetone	0.011 J
Toluene	0.003 J

E-4 8/9/95	
Depth (ft):	0-2
Acetone	0.015

E-5 8/10/95	
Depth (ft):	6-8
Acetone	0.015
Toluene	0.002 J

E-6 8/16/95	
Depth (ft):	0-2
Acetone	0.018 B

E-7 8/7/95	
Depth (ft):	4-6
Acetone	0.012

E-8 8/9/95	
Depth (ft):	18-20
Acetone	0.035
Methyl Ethyl Ketone	0.010 J
Toluene	0.016

LS-2 8/89	
Depth (ft):	0-4
Methylene Chloride	0.009
Toluene	0.004 J
Trichloroethene	0.005

LS-2 8/89	
Depth (ft):	4-8
Chlorobenzene	ND(0.005) [0.002 J RE]
Methylene Chloride	0.008 [0.006 RE]
Tetrachloroethene	0.002 J [0.002 J RE]
Toluene	0.005 [0.004 J RE]
Trichloroethene	0.013 [0.014 RE]

LS-2 8/89	
Depth (ft):	8-12
Carbon Tetrachloride	4.6 D
Chlorobenzene	34 D
Chloroform	0.026
Ethylbenzene	0.23 E
Methylene Chloride	0.01
Tetrachloroethene	0.004 J
Toluene	0.26 E
Trichloroethene	0.38 E

LS-2 8/89	
Depth (ft):	18-22
Chlorobenzene	0.031
Ethylbenzene	0.005 J
Methylene Chloride	0.004 J
Toluene	0.002 J

LS-4 8/89	
Depth (ft):	0-6
Methylene Chloride	0.009
Toluene	0.001 J

LS-4 8/89	
Depth (ft):	6-12
Benzene	0.004 J
Chlorobenzene	12 D
Methylene Chloride	0.014
Tetrachloroethene	0.002 J
Toluene	0.033

LS-4 8/89	
Depth (ft):	12-18
Benzene	0.004 J
Carbon Tetrachloride	1
Chlorobenzene	5.3
Methylene Chloride	0.33 J
Toluene	0.26 J

LS-4 8/89	
Depth (ft):	18-22
Carbon Tetrachloride	0.045
Chlorobenzene	0.011 J
Methylene Chloride	0.034
Toluene	0.008 J

LS-SOIL 10/90	
Depth (ft):	Surface
Chlorobenzene	0.021
Methylene Chloride	0.009
1,1,2,2-Tetrachloroethane	0.005

LS-7 10/90	
Depth (ft):	14-16
Acetone	0.01 J
Acetonitrile	0.044 J
Chloroform	0.001 J
4-Methyl-2-Pentanone	0.032
Methylene Chloride	0.001 J
Toluene	0.005 J

LS-8 10/90	
Depth (ft):	16-18
Chlorobenzene	8.6
Ethylbenzene	0.44 J
Xylenes (total)	7.7
2-Chloroethyl vinyl ether	1.5

LS-8 10/90	
Depth (ft):	20-22
Chlorobenzene	3.3
Ethylbenzene	28
Methylene Chloride	0.88 J
Toluene	1.1 J

LS-8 10/90	
Depth (ft):	22-24
Ethylbenzene	0.08
Methylene Chloride	0.002 J
Toluene	0.003 J

LS-9 10/90	
Depth (ft):	14-16
Acetone	0.79 J [ND(1.8) RE]
Chlorobenzene	1.0 [1.3 RE]
Chloroform	0.26 J [ND(0.74) RE]
Ethylbenzene	2.4 [3.9 RE]
Methylene Chloride	0.42 BJ [0.2 J RE]
Xylenes (total)	2.2 [3.1 RE]
2-Chloroethyl vinyl ether	1.5 [1.5 RE]

LS-9 10/90	
Depth (ft):	16-18
Benzene	0.024 J
Chlorobenzene	0.19
Ethylbenzene	0.63

LS-10 10/90	
Depth (ft):	10-12
Acetone	0.01 BJ
Chloroform	0.001 BJ
Methylene Chloride	0.004 BJ

LS-11 10/90	
Depth (ft):	8-10
Chlorobenzene	23
Trichloroethene	2.2

LS-11 10/90	
Depth (ft):	10-12
Chlorobenzene	37 D
Methylene Chloride	0.25 J
Trichloroethene	0.78 J
Xylenes (total)	0.91 J

LS-11 10/90	
Depth (ft):	12-14
Chlorobenzene	13
Ethylbenzene	0.23 J
Methylene Chloride	0.23 J
Trichloroethene	0.61 J

LS-11 10/90	
Depth (ft):	14-16
Chlorobenzene	11
Ethylbenzene	0.14 J
Methylene Chloride	0.30 J
Trichloroethene	3.5

LS-11 10/90	
Depth (ft):	16-18
Chlorobenzene	0.051
Methylene Chloride	0.004 J
Trichloroethene	0.009

LS-12 10/90	
Depth (ft):	20-22
Carbon Tetrachloride	0.31
Chloroform	0.025 BJ
Methylene Chloride	0.016 BJ
Tetrachloroethene	0.2
Toluene	0.018 J
Trichloroethene	0.4

LS-26 8/10/95	
Depth (ft):	10-12
Acetone	0.023

LS-27 8/11/95	
Depth (ft):	2-4
Acetone	0.011 J
Chloroform	0.005 J
Trichloroethene	0.18
Toluene	0.001 J

LS-28 8/14/95	
Depth (ft):	10-12
Acetone	0.015 B

LS-29 8/8/95	
Depth (ft):	10-12
Acetone	0.031
Toluene	0.002 J

LS-30 8/14/95	
Depth (ft):	14-16
Benzene	0.49 J [0.41 J RE]
Cis 1,2-Dichloroethene	0.22 J [0.18 J RE]
Chlorobenzene	29 [28 RE]
Ethylbenzene	1.6 [1.4 RE]
Methyl Ethyl Ketone	ND [0.7 J RE]
Toluene	0.82 [0.77 RE]
Xylene	20 [17 RE]

LS-31 8/15/95	
Depth (ft):	18-20
Acetone	0.053 BJ
Benzene	0.028
Carbon Disulfide	0.017 J
Chlorobenzene	0.6
Chloroform	0.26
Carbon Tetrachloride	0.027 J
Trichloroethene	0.014 J
Xylene	0.54 B

LS-32 10/12/94						
Depth (ft):	2-4	6-8	10-12	12-14	14-16	16-18
1,2-Dichloroethene	0.002 J	ND	ND	ND	0.002 J	ND
Trichloroethene	9.8 D	3.0 D	0.11	0.016 J	0.098 D	0.41 D
Tetrachloroethene	0.001 J	ND	ND	ND	ND	ND
Benzene	ND	ND	0.007 J	0.007 J	0.008 J	0.005 J
Chlorobenzene	0.002 J	0.071 J	0.21	0.29	0.52 D	0.11 D
Ethylbenzene	ND	0.014 J	ND	0.002 J	0.024	ND
Xylene	ND	ND	0.002 J	0.006 J	0.1	0.006 J
Toluene	ND	ND	ND	ND	0.007 J	ND

LS-33 10/12/94		
Depth (ft):	14-16	16-18
Chlorobenzene	3.5	3.5
Ethylbenzene	0.20 J	0.17 J
Xylene	1.1 J	1.2 J

LS-34 12/14/95	
Depth (ft):	22-24
Chlorobenzene	0.01 J
Chloroform	0.12
Carbon Tetrachloride	0.87
Ethylbenzene	0.03
Trichloroethene	0.69
Toluene	0.009 J
Tetrachloroethene	0.027
Xylene	0.65

LS-35 8/15/95	
Depth (ft):	12-14
Acetone	0.37 BJ
Chlorobenzene	16

LS-36 8/7/95	
Depth (ft):	16-18
Acetone	0.027
Chloroform	0.002 J
Toluene	0.002 J

LS-37 8/8/95	
Depth (ft):	6-8
Acetone	0.022
Toluene	0.004 J

LS-38 8/14/95	
Depth (ft):	16-18
Acetone	0.079 B
Benzene	0.1
Cis 1,2-Dichloroethene	0.019 J
Chlorobenzene	0.95
Ethylbenzene	0.023 J
Vinyl Chloride	0.011 J
Xylene	0.13 B

LS-39 8/10/95	
Depth (ft):	10-12
Acetone	0.010 J
Toluene	0.003 J

LS-40 8/10/95	
Depth (ft):	10-12
Acetone	0.013
Methyl Ethyl Ketone	0.001 J
Toluene	0.003 J

LS-42 4/96	
Depth (ft):	20-22
Acetone	0.009 J

LS-43 4/96	
Depth (ft):	22-24
Chloroform	6.6
Carbon Tetrachloride	2.7
Trichloroethene	2.3
Tetrachloroethene	0.19 J
Xylene(total)	1.7 X

LS-44 4/96	
Depth (ft):	22-24
Acetone	0.04

LS-45 4/96	
Depth (ft):	10-12
Acetone	0.053
Ethylbenzene	0.036
Xylene(total)	0.023 X

LS-C-11 8/30/95	
Depth (ft):	0-0.5
Acetone	0.046 B
Toluene	0.002 J

LS-C-12 8/30/95	
Depth (ft):	0-0.5
Acetone	0.05 B
Toluene	0.008
Xylene	0.003 J

LS-C-13 8/30/95	
Depth (ft):	0-0.5
Acetone	0.053 B
Toluene	0.001 J

LS-C-18 8/30/95	
Depth (ft):	0-0.5
Acetone	0.031 B
Toluene	0.002 J

LS-GWP-33 8/30/95	
Depth (ft):	0-0.5
Acetone	0.028 B
Toluene	0.012
Xylene	0.003 J

LS-GWP-34 8/30/95	
Depth (ft):	0-0.5
Acetone	0.033 B [0.078 B RE] [0.064 B]
Toluene	0.003 J [0.002 J RE] [0.003 J]
Xylene	ND [ND RE] [0.001 J]

LEGEND

- EDGE OF WATER
- EDGE OF PAVEMENT
- FENCE LINE
- VEGETATION
- B-3(W) MONITORING WELL LOCATION
- RW-1 PUMPING WELL LOCATION
- P-7 WELL POINT LOCATION
- B-4 SOIL BORING LOCATION AND DESIGNATION
- LS-19 SURFACE SOIL SAMPLE LOCATION

E-7 8/7/95		SAMPLE LOCATION AND DATE
Depth (ft):	4-6	
Acetone	0.012	CONSTITUENT AND DETECTED CONCENTRATION IN PARTS PER MILLION (ppm)

NOTES:

1. ALL BORING AND MONITORING WELL LOCATIONS ARE APPROXIMATE.
2. ONLY DETECTED ANALYTES ARE SHOWN.
3. BRACKETS INDICATE DUPLICATE SAMPLE.
4. J = ESTIMATED VALUE LESS THAN THE CLP-REQUIRED QUANTITATION LIMITS.
5. D = ANALYSIS PERFORMED AT A SECONDARY DILUTION FACTOR.
6. ND = NOT DETECTED.
7. B = COMPOUND ALSO FOUND IN ASSOCIATED BLANK SAMPLE.
8. RE = REANALYSIS
9. E = COMPOUND EXCEEDED CALIBRATION RANGE.
10. X = DATA HAS BEEN MANUALLY INTEGRATED.

0 100' 200'

SCALE: 1"=100'

GENERAL ELECTRIC
PITTSFIELD, MASSACHUSETTS

LYMAN ST PARKING LOT/ USEPA AREA 5A

VOC SOIL ANALYTICAL RESULTS

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 4-3

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E-1 4/91	
Depth (ft):	10-12
Benzo(b)Fluoranthene	0.22 J
Benzo(a)Pyrene	0.083 J
Benzo(k)Fluoranthene	0.22 J
Chrysene	0.11 J
Bis(2-Ethylhexyl)Phthalate	0.16 J
Fluoranthene	0.11 J
Phenanthrene	0.058 J
Pyrene	0.11 J

E-1 4/91	
Depth (ft):	20-22
Benzo(a)Pyrene	0.49
Bis(2-Ethylhexyl)Phthalate	0.055 J

E-2 4/91	
Depth (ft):	8-10
Aniline	0.12 J
Benzo(b)Fluoranthene	0.42 J
Benzo(a)Anthracene	0.14 J
Benzo(ghi)Perylene	0.17 J
Benzo(a)Pyrene	0.21 J
Benzo(k)Fluoranthene	0.42 J
Chrysene	0.2 J
Bis(2-Ethylhexyl)Phthalate	0.18 J
Fluoranthene	0.27 J
Indeno(1,2,3-cd)Pyrene	0.13 J
Phenanthrene	0.15 J
Phenol	0.061 J
Pyrene	0.22 J

E-3 8/9/95	
Depth (ft):	0-2
Acenaphthylene	1.1
Aniline	3.9
Anthracene	0.47
Benzo(b)Fluoranthene	2.3
Benzo(a)Anthracene	2.2
Benzo(ghi)Perylene	1.2
Benzo(a)Pyrene	3.3
Benzo(k)Fluoranthene	1.8
Di-n-Butyl Phthalate	0.48 B
Dibenz(a,h)Anthracene	0.38
Chrysene	2.7
Bis(2-Ethylhexyl)Phthalate	0.14 J
Fluoranthene	2.6
Fluorene	0.13 J
Indeno(1,2,3-cd)Pyrene	1.1
2-Methylnaphthalene	0.27 J
Naphthalene	0.087 J
Phenanthrene	1.2
Pyrene	3.6

E-4 8/9/95	
Depth (ft):	0-2
Acenaphthylene	1.2
Aniline	2.4
Anthracene	0.52
Benzo(b)Fluoanthene	3.5
Benzo(a)Anthracene	3.4
Dibenzofuran	0.19 J
Benzo(ghi)Perylene	0.83
Benzo(a)Pyrene	2.5
Benzo(k)Fluoranthene	2.4
Di-n-Butyl Phthalate	0.48 B
Dibenz(a,h)Anthracene	0.5
Chrysene	4.3
Fluoranthene	3.5
Fluorene	0.47
Indeno(1,2,3-cd)Pyrene	0.89
2-Methylnaphthalene	0.16 J
Naphthalene	0.068 J
Phenanthrene	0.93
Pyrene	4.6

E-5 8/10/95	
Depth (ft):	6-8
Anthracene	0.077
Benzo(b)Fluoranthene	0.23 J
Benzo(a)Anthracene	0.19 J
Benzo(ghi)Perylene	0.16 J
Benzo(a)Pyrene	0.19 J
Benzo(k)Fluoranthene	0.17 J
Di-n-Butyl Phthalate	0.20 BJ
Chrysene	0.24
Fluoranthene	0.36
Indeno(1,2,3-cd)Pyrene	0.14 J
Phenanthrene	0.31 J
Pyrene	0.32 J

E-6 8/16/95	
Depth (ft):	0-2
Anthracene	0.062 J
Benzo(b)Fluoranthene	0.24 J
Benzo(a)Anthracene	0.26 J
Benzo(ghi)Perylene	0.18 J
Benzo(a)Pyrene	0.24 J
Benzo(k)Fluoranthene	0.27 J
Di-n-Butyl Phthalate	0.12 BJ
Chrysene	0.37 J
Fluoranthene	0.53
Indeno(1,2,3-cd)Pyrene	0.15 J
Phenanthrene	0.31 J
Pyrene	0.62

E-7 8/7/95	
Depth (ft):	4-6
Di-n-Butyl Phthalate	0.12 BJ
Di-n-Octyl Phthalate	0.18 J

E-8 8/9/95	
Depth (ft):	18-20
Benzo(a)Pyrene	0.96
Di-n-Butyl Phthalate	0.28 BJ

LS-2 8/89	
Depth (ft):	0-4
Acenaphthylene	6.1 J
Anthracene	5.3 J
Benzo(a)Anthracene	8.2
Benzo(b)Fluoranthene	5.3 J
Benzo(k)Fluoranthene	4.4 J
Benzo(a)Pyrene	5.0 J
Benzo(g,h,i)Perylene	3.2 J
Chrysene	7.4 J
Dibenzo(a,h)Anthracene	1.4 J
Fluoranthene	17
Fluorene	2.5 J
Indeno(1,2,3-cd)Pyrene	2.6 J
Phenanthrene	21
Pyrene	18

LS-2 8/89	
Depth (ft):	4-8
Acenaphthylene	0.61 J
Anthracene	0.49 J
Benzo(a)Anthracene	1.2 J
Benzo(b)Fluoranthene	0.54 J
Benzo(k)Fluoranthene	0.48 J
Benzo(a)Pyrene	0.43 J
Benzo(g,h,i)Perylene	0.33 J
Bis(2-ethylhexyl)Phthalate	0.38 J
Chrysene	0.85 J
Di-n-butylphthalate	0.66 J
Fluorene	0.53 J
Indeno(1,2,3-cd)Pyrene	0.28 J
Phenanthrene	2.8
1,2,4-Trichlorobenzene	0.33 J

LS-2 8/89	
Depth (ft):	8-12
Acenaphthene	5.8 J
Anthracene	5.8 J
Chrysene	4.6 J
1,2-Dichlorobenzene	3.7 J
1,3-Dichlorobenzene	32
1,4-Dichlorobenzene	220
Fluorene	3.8 J
Naphthalene	21
Nitrobenzene	2.1 J
Phenanthrene	20
Pyrene	23
1,2,4-Trichlorobenzene	300 D

LS-2 8/89	
Depth (ft):	18-22
Bis(2-ethylhexyl)phthalate	0.31 J

LS-4 8/89	
Depth (ft):	0-6
Acenaphthylene	6.4
Anthracene	5.2
Benzo(a)Anthracene	9
Benzo(b)Fluoranthene	4.9
Benzo(k)Fluoranthene	5.6
Benzo(a)Pyrene	5
Benzo(g,h,i)Perylene	4.3
Chrysene	7.3
Fluoranthene	20
Fluorene	2.5 J
Indeno(1,2,3-cd)Pyrene	3.3 J
Phenanthrene	23
Pyrene	18

LS-4 8/89	
Depth (ft):	6-12
Acenaphthene	1.1 J
Acenaphthylene	4.6
Anthracene	5.3
Benzo(a)Anthracene	10
Benzo(b)Fluoranthene	5.8
Benzo(k)Fluoranthene	4.3
Benzo(a)Pyrene	4
Benzo(g,h,i)Perylene	2.9 J
Bis(2-ethylhexyl)Phthalate	0.65 J
Chrysene	6.8
1,3-Dichlorobenzene	0.76 J
1,4-Dichlorobenzene	4
Fluoranthene	18
Fluorene	3.1 J
Indeno(1,2,3-cd)Pyrene	2.3 J
Naphthalene	0.66 J
Phenanthrene	24
Pyrene	15

LS-4 8/89	
Depth (ft):	12-18
Acenaphthene	1.3 J
Acenaphthylene	1.7 J
Anthracene	3.4
Benzo(a)Anthracene	3.8
Benzo(b)Fluoranthene	1.9 J
Benzo(k)Fluoranthene	1.6 J
Benzo(a)Pyrene	2.4 J
Benzo(g,h,i)Perylene	1.2 J
Bis(2-ethylhexyl)Phthalate	0.43 J
Chrysene	3
1,4-Dichlorobenzene	1.4 J
Fluoranthene	5.7
Fluorene	3.2
Indeno(1,2,3-cd)Pyrene	0.96 J
Naphthalene	26
Phenanthrene	13
Pyrene	7.6
1,2,4-Trichlorobenzene	1.7 J

LS-4 8/89	
Depth (ft):	18-20
Acenaphthene	0.2 J
Acenaphthylene	0.36 J
Anthracene	0.69 J
Benzo(a)Anthracene	0.66 J
Benzo(b)Fluoranthene	0.32 J
Benzo(k)Fluoranthene	0.36 J
Benzo(a)Pyrene	0.59 J
Benzo(g,h,i)Perylene	0.26 J
Bis(2-ethylhexyl)Phthalate	0.12 J
Fluoranthene	1.1
Fluorene	0.84 J
Indeno(1,2,3-cd)Pyrene	0.19 J
Naphthalene	5.9
Phenanthrene	3.5
Pyrene	1.9
1,2,4-Trichlorobenzene	0.92 J

LS-SOIL 10/90	
Depth (ft):	Surface
Acenaphthene	0.38 J
Acenaphthylene	0.26 J
Anthracene	0.31 J
Benzo(a)Anthracene	0.43 J
Benzo(a)Pyrene	0.41 J
Benzo(b)Fluoranthene	0.51 J
Benzo(k)Fluoranthene	0.63 J
Bis(2-ethylhexyl)phthalate	1.8
Chrysene	0.58 J
1,4-Dichlorobenzene	0.27 J
Fluorene	0.38 J
Flouranthene	0.99 J
Phenanthrene	0.85 J
Pyrene	1.6

LS-7 10/90	
Depth (ft):	14-16
Acenaphthylene	0.35 J
Anthracene	0.25 J
Benzo(a)Anthracene	0.52 J
Benzo(a)Pyrene	0.42 J
Benzo(b)Fluoranthene	0.44 J
Benzo(k)Fluoranthene	0.53 J
Bis(2-ethylhexyl)phthalate	0.76 J
Chrysene	0.60 J
Flouranthene	0.93 J
Indeno (1,2,3-cd) Pyrene	0.26 J
Phenanthrene	0.94 J
Pyrene	1.4 J

LS-8 10/90	
Depth (ft):	16-18
Acenaphthene	3.7
Acenaphthylene	0.69 J
Benzo(a)Pyrene	1.3 J
Benzo(b)Fluoranthene	1.1 J
Benzo(k)Fluoranthene	1.1 J
Bis(2-ethylhexyl)phthalate	1.8
Chrysene	2.4
Dibenzofuran	0.77 J
1,3-Dichlorobenzene	2.8
1,4-Dichlorobenzene	2.2
Fluorene	2.5
Indeno (1,2,3-cd) Pyrene	0.46 J
2-Methylnaphthalene	8.6
Naphthalene	3.8
Phenanthrene	15
1,2,4-Trichlorobenzene	0.43 J

LS-9 10/90	
Depth (ft):	14-16
Acenaphthene	47 D
Acenaphthylene	5.7
Anthracene	33
Benzo(a)Anthracene	17
Benzo(a)Pyrene	13
Benzo(b)Fluoranthene	5.5
Benzo(k)Fluoranthene	10
Benzo(ghi)Perylene	4.7
Bis(2-ethylhexyl)phthalate	1.0 J
Chrysene	15
Dibenzofuran	1.9 J
1,3-Dichlorobenzene	0.29 J
Fluorene	24
Flouranthene	31
Indeno (1,2,3-cd) Pyrene	3.9
2-Methylnaphthalene	32
N-Nitrosodiphenylamine	1.9 J
Naphthalene	91 D
Phenanthrene	110 D
Pyrene	80 D

LS-10 10/90	
Depth (ft):	10-12
Bis(2-ethylhexyl)phthalate	0.42 J
Di-n-butyl Phthalate	0.13 J

LS-11 10/90	
Depth (ft):	10-12
Benzo(b)Fluoranthene	1.0 J
Benzo(k)Fluoranthene	0.62 J
1,2-Dichlorobenzene	1.4 J
1,4-Dichlorobenzene	1.3 J
2-Methylnaphthalene	1.0 J
Naphthalene	0.93 J
1,2,4,5-Tetrachlorobenzene	1.7 J
1,2,4-Trichlorobenzene	89 E

LS-26 8/10/95	
Depth (ft):	10-12
Anthracene	0.16 J
Benzo(b)Fluoanthene	0.082 J
Benzo(a)Anthracene	0.12 J
Benzo(k)Fluoranthene	0.086 J
Di-n-Butyl Phthalate	0.18 BJ
Chrysene	0.16 J
Fluoranthene	0.19 J
Phenanthrene	0.15 J
Pyrene	0.20 J

LEGEND

- EDGE OF WATER
- EDGE OF PAVEMENT
- FENCE LINE
- VEGETATION
- B-3(W) MONITORING WELL LOCATION
- RW-1 PUMPING WELL LOCATION
- P-7 WELL POINT LOCATION
- B-4 SOIL BORING LOCATION AND DESIGNATION
- LS-19 SURFACE SOIL SAMPLE LOCATION

LS-2 8/89	
Depth (ft):	18-22
Bis(2-ethylhexyl)phthalate	0.31 J

SAMPLE LOCATION AND DATE

CONSTITUENT AND DETECTED CONCENTRATION IN PARTS PER MILLION (ppm)

NOTES:

1. ALL BORING AND MONITORING WELL LOCATIONS ARE APPROXIMATE.
2. ONLY DETECTED ANALYTES ARE SHOWN.
3. BRACKETS INDICATE DUPLICATE SAMPLE.
4. J = ESTIMATED VALUE LESS THAN THE CLP-REQUIRED QUANTITATION LIMITS.
5. D = ANALYSIS PERFORMED AT A SECONDARY DILUTION FACTOR.
6. ND = NOT DETECTED.
7. B = COMPOUND ALSO FOUND IN ASSOCIATED BLANK SAMPLE.
8. RE = REANALYSIS
9. E = COMPOUND EXCEEDED CALIBRATION RANGE.

0 100' 200'

SCALE: 1"=100'

GENERAL ELECTRIC
PITTSFIELD, MASSACHUSETTS

LYMAN ST PARKING LOT/ USEPA AREA 5A

SVOC SOIL ANALYTICAL RESULTS (SHEET 1 OF 2)

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 4-4A

20114040/20114B15.DWG 6/25/96 54-DMW DJ-B.PCP

1 25

LS-27 8/11/95	
Depth (ft):	2-4
Acenaphthylene	1.9 J
Anthracene	3
Benzo(b)Fluoranthene	5.7
Benzo(a)Anthracene	8.8
Dibenzofuran	0.64 J
Benzo(ghi)Perylene	4
Benzo(a)Pyrene	5.5
Benzo(k)Fluoranthene	4.2
Dibenz(a,h)Anthracene	1.6 J
Chrysene	9.8
Fluoranthene	21
Fluorene	1.8 J
Hexachloroethane	2.2
Indeno(1,2,3-cd)Pyrene	3.4
Phenanthrene	27
Pyrene	23

LS-28 8/14/95	
Depth (ft):	10-12
Acenaphthylene	0.065 J
Anthracene	0.073 J
Benzo(b)Fluoranthene	0.13 J
Benzo(a)Anthracene	0.14 J
Benzo(k)Fluoranthene	0.12 J
Di-n-Butyl Phthalate	0.11 BJ
Chrysene	0.17 J
Fluoranthene	0.20 J
Phenanthrene	0.17 J
Pyrene	0.25 J

LS-29 8/8/95	
Depth (ft):	10-12
Anthracene	0.15 J
Benzo(b)Fluoranthene	0.87
Benzo(a)Anthracene	0.76
Benzo(ghi)Perylene	0.32 J
Benzo(a)Pyrene	0.74
Benzo(k)Fluoranthene	0.6
Di-n-Butyl Phthalate	0.22 BJ
Dibenz(a,h)Anthracene	0.16 J
Chrysene	1
Fluoranthene	1.4
Indeno(1,2,3-cd)Pyrene	0.32 J
Phenanthrene	0.56
Pyrene	1.3

LS-30 8/14/95	
Depth (ft):	14-16
1,2,4-Trichlorobenzene	4.7
Fluorene	0.87
m-Dichlorobenzene	2.9
2-Methylnaphthalene	4.9
Naphthalene	12 D
o-Dichlorobenzene	0.5
p-Dichlorobenzene	13 D
Phenol	0.59

LS-31 8/15/95	
Depth (ft):	18-20
Acenaphthene	7.4 J
Anthracene	15
Benzo(b)Fluoranthene	7.9 J
Benzo(a)Anthracene	14
Dibenzofuran	9
Benzo(ghi)Perylene	5.2 J
Benzo(a)Pyrene	8.4
Benzo(k)Fluoranthene	7.3 J
Dibenz(a,h)Anthracene	2.8 J
Chrysene	14
1,2,4-Trichlorobenzene	7.0 J
Fluoranthene	43
Fluorene	12
Indeno(1,2,3-cd)Pyrene	5.0 J
2-Methylnaphthalene	7.2 J
Naphthalene	14
Phenanthrene	66
Pyrene	28

LS-32 10/12/94	
Depth (ft):	2-4
Aniline	0.75 J
Anthracene	0.43 J
Benzo(b and k)Fluoranthene	5.8 J
Benzo(a)Anthracene	2.5 J
Benzo(ghi)Perylene	1.5 J
Benzo(a)Pyrene	2.1 J
Dibenz(a,h)Anthracene	0.39 J
Chrysene	2.2 J
Bis(2-Ethylhexyl)Phthalate	1.2 J
Fluoranthene	3.3 J
1,2,4-Trichlorobenzene	3.1 J
Indeno(1,2,3-cd)Pyrene	1.2 J
Phenanthrene	2.7 J
Pyrene	2.6 J
Phenols	0.682

LS-33 10/12/94	
Depth (ft):	16-18
Acenaphthene	0.51 J
Acetophenone	0.09 J
Anthracene	0.31 J
Benzo(b and k)Fluoranthene	0.24 J
Benzo(a)Anthracene	0.14 J
Benzo(a)Pyrene	0.056 J
1,2-Dichlorobenzene	0.047 J
1,3-Dichlorobenzene	0.17 J
1,4-Dichlorobenzene	0.36 J
Dibenzofuran	0.083 J
Chrysene	0.12 J
Bis(2-Ethylhexyl)Phthalate	0.14 J
Fluoranthene	0.36 J
Fluorene	0.48 J
1-Methylnaphthalene	0.94 J
2-Methylnaphthalene	0.59 J
Naphthalene	0.61 J
5-Nitro-o-toluidine	0.15 J
Pyrene	0.39 J
Phenols	0.562

LS-34 12/14/95	
Depth (ft):	22-24
Anthracene	29
1,2,4-Trichlorobenzene	140
Hexachloroethane	29
p-Dichlorobenzene	3.1 J
1,2,4,5-Tetrachlorobenzene	4.4 J

LS-35 8/15/95	
Depth (ft):	12-14
m-Dichlorobenzene	1.7 J
p-Dichlorobenzene	8.3

LS-36 8/7/95	
Depth (ft):	16-18
Benzo(b)Fluoranthene	0.11 J
Benzo(a)Anthracene	0.14 J
Benzo(a)Pyrene	0.14 J
Benzo(k)Fluoranthene	0.12 J
Di-n-Butyl Phthalate	0.088 BJ
Chrysene	0.26 J
Fluoranthene	0.30 J
Phenanthrene	0.31 J
Pyrene	0.52

LS-37 8/8/95	
Depth (ft):	6-8
Acenaphthylene	0.16 J
Anthracene	0.22
Benzo(b)Fluoranthene	0.56
Benzo(a)Anthracene	0.58
Dibenzofuran	0.091 J
Benzo(ghi)Perylene	0.33 J
Benzo(a)Pyrene	0.49
Benzo(k)Fluoranthene	0.5
Di-n-Butyl Phthalate	0.11 BJ
Dibenz(a,h)Anthracene	0.13 J
Chrysene	0.73
Fluoranthene	1.3
Fluorene	0.17 J
Indeno(1,2,3-cd)Pyrene	0.29 J
2-Methylnaphthalene	0.085 J
Phenanthrene	1.8
Pyrene	1.4

LS-38 8/14/95	
Depth (ft):	16-18
Acenaphthene	0.22 J
Anthracene	0.12 J
Benzo(a)Pyrene	0.18 J
Di-n-Butyl Phthalate	0.15 BJ
Fluorene	0.15 J
2-Methylnaphthalene	0.23 J
Naphthalene	0.11 J
Phenanthrene	0.73
Pyrene	0.12 J

LS-39 8/10/95	
Depth (ft):	10-12
Di-n-Butyl Phthalate	0.049 BJ

LS-40 8/10/95	
Depth (ft):	10-12
Di-n-Butyl Phthalate	0.12 BJ

LS-42 4/96	
Depth (ft):	20-22
Benzo(b)Fluoranthene	0.045 J
Bis(2-Ethylhexyl)Phthalate	0.2 J
Fluoranthene	0.06 J
Pyrene	0.06 J

LS-43 4/96	
Depth (ft):	22-24
Acenaphthylene	0.049 J
Anthracene	0.12 J
Benzo(b)Fluoranthene	0.14 JX
Benzo(a)Anthracene	0.3 J
Dibenzofuran	0.053 J
Benzo(ghi)Perylene	0.11 J
Benzo(a)Pyrene	0.27 J
Benzo(k)Fluoranthene	0.26 JX
Chrysene	0.27 J
Bis(2-Ethylhexyl)Phthalate	0.17 J
Fluoranthene	0.5
Indeno(1,2,3-cd)Pyrene	0.097 J
Phenanthrene	0.5
Pyrene	0.52
1,2,4,5-Tetrachlorobenzene	0.04 J
1,2,4-Trichlorobenzene	1.1

LS-44 4/96	
Depth (ft):	22-24
Bis(2-Ethylhexyl)Phthalate	0.1 J

LS-45 4/96	
Depth (ft):	10-12
Acenaphthylene	0.11 J
Acenaphthene	0.58 J
Benzo(b)Fluoranthene	0.11 JX
Benzo(a)Anthracene	0.14 JX
Benzo(ghi)Perylene	0.19 J
Benzo(a)Pyrene	0.24 J
Benzo(k)Fluoranthene	0.24 JX
Chrysene	0.17 J
Bis(2-Ethylhexyl)Phthalate	0.4 J
Fluoranthene	0.1 J
Fluorene	0.17 J
Indeno(1,2,3-cd)Pyrene	0.12 J
2-Methylnaphthalene	0.97
Naphthalene	4.7
Phenanthrene	0.11 J
Pyrene	0.24 J

LS-C-11 8/30/95	
Depth (ft):	0-0.5
Acenaphthene	0.42 J
Acenaphthylene	7.7
Aniline	0.56 J
Anthracene	4.3
Benzo(b)Fluoranthene	26
Benzo(a)Anthracene	18
Dibenzofuran	0.97 J
Benzo(ghi)Perylene	5.1
Benzo(a)Pyrene	18
Benzo(k)Fluoranthene	12
Dibenz(a,h)Anthracene	0.39 J
Chrysene	21
Bis(2-Ethylhexyl)Phthalate	0.28 J
Fluoranthene	42 D
Fluorene	2.2
Indeno(1,2,3-cd)Pyrene	5.7
2-Methylnaphthalene	0.55 J
Naphthalene	0.39 J
Phenanthrene	27
Pyrene	33 D

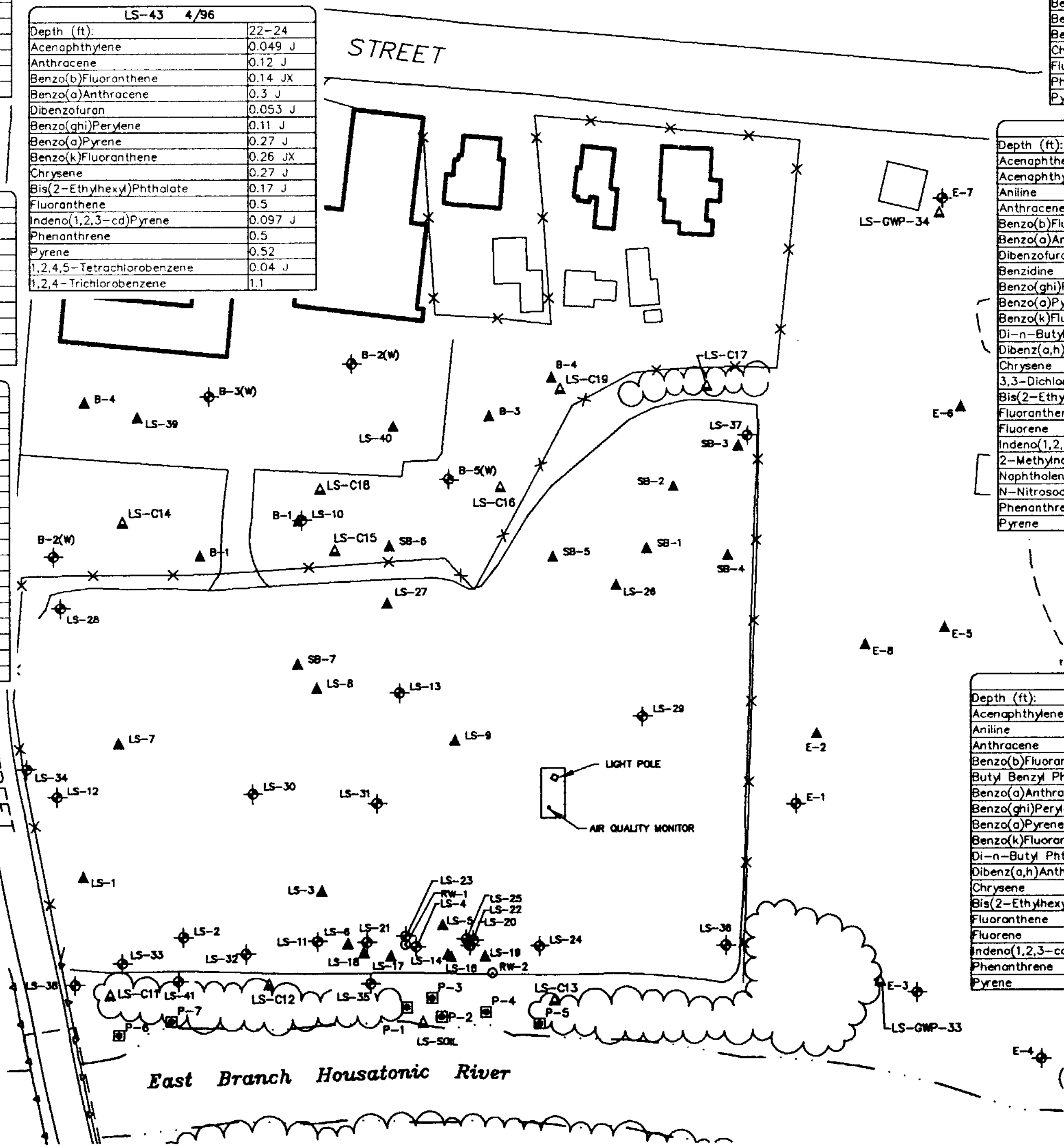
LS-C-12 8/30/95	
Depth (ft):	0-0.5
Acenaphthene	0.20 J
Acenaphthylene	3.7
Aniline	0.43 J
Anthracene	2.1
Benzo(b)Fluoranthene	12
Benzo(a)Anthracene	8
Dibenzofuran	0.63 J
Benzo(ghi)Perylene	2.5
Benzo(a)Pyrene	8.7
Benzo(k)Fluoranthene	6.9
Dibenz(a,h)Anthracene	0.18 J
Chrysene	11
Fluoranthene	22
Fluorene	1.7
Indeno(1,2,3-cd)Pyrene	2.7
2-Methylnaphthalene	0.26 J
Naphthalene	0.19 J
Phenanthrene	19
Pyrene	18

LS-C-13 8/30/95	
Depth (ft):	0-0.5
Acenaphthylene	2.7
Aniline	6
Anthracene	1.2 J
Benzo(b)Fluoranthene	8
Benzo(a)Anthracene	5
Dibenzofuran	0.33 J
Benzo(ghi)Perylene	1.8
Benzo(a)Pyrene	6
Benzo(k)Fluoranthene	4.7
Chrysene	7.6
Fluoranthene	14
Fluorene	0.85 J
Indeno(1,2,3-cd)Pyrene	2.1
2-Methylnaphthalene	0.20 J
Naphthalene	0.18 J
Phenanthrene	11
Pyrene	11

LS-C-18 8/30/95	
Depth (ft):	0-0.5
Benzo(b)Fluoranthene	0.037 J
Benzo(a)Anthracene	0.036 J
Benzo(a)Pyrene	0.038 J
Benzo(k)Fluoranthene	0.039 J
Chrysene	0.047 J
Fluoranthene	0.079 J
Phenanthrene	0.053 J
Pyrene	0.067 J

LS-GWP-33 8/30/95	
Depth (ft):	0-0.5
Acenaphthene	0.066 J
Acenaphthylene	0.096 J
Aniline	1.9
Anthracene	0.14 J
Benzo(b)Fluoranthene	0.87
Benzo(a)Anthracene	0.56
Dibenzofuran	0.037 J
Benzidine	0.097 J
Benzo(ghi)Perylene	0.21 J
Benzo(a)Pyrene	0.86
Benzo(k)Fluoranthene	1
Di-n-Butyl Phthalate	0.21 J
Dibenz(a,h)Anthracene	0.10 J
Chrysene	0.83
3,3-Dichlorobenzidine	0.075 J
Bis(2-Ethylhexyl)Phthalate	0.059 J
Fluoranthene	1.3
Fluorene	0.076 J
Indeno(1,2,3-cd)Pyrene	0.27 J
2-Methylnaphthalene	0.036 J
Naphthalene	0.044 J
N-Nitrosodiphenylamine	0.076 J
Phenanthrene	0.8
Pyrene	0.93

LS-GWP-34 8/30/95	
Depth (ft):	0-0.5
Acenaphthylene	0.099 J [0.095 J]
Aniline	0.67 [0.51]
Anthracene	0.08 J [0.11 J]
Benzo(b)Fluoranthene	0.73 [0.76]
Butyl Benzyl Phthalate	0.05 J [0.056 J]
Benzo(a)Anthracene	0.41 [0.56]
Benzo(ghi)Perylene	0.18 J [0.19 J]
Benzo(a)Pyrene	0.58 [0.68]
Benzo(k)Fluoranthene	0.59 [0.82]
Di-n-Butyl Phthalate	0.19 J [0.18 J]
Dibenz(a,h)Anthracene	0.057 J [0.088 J]
Chrysene	0.78 [1.2]
Bis(2-Ethylhexyl)Phthalate	0.052 J [0.077 J]
Fluoranthene	1.1 [1.3]
Fluorene	ND [0.038 J]
Indeno(1,2,3-cd)Pyrene	0.19 J [0.24 J]
Phenanthrene	0.56 [0.63]
Pyrene	0.90 [1.1]



LEGEND

- EDGE OF WATER
- EDGE OF PAVEMENT
- FENCE LINE
- VEGETATION
- B-3(W) MONITORING WELL LOCATION
- RW-1 PUMPING WELL LOCATION
- P-7 WELL POINT LOCATION
- B-4 SOIL BORING LOCATION AND DESIGNATION
- LS-19 SURFACE SOIL SAMPLE LOCATION

LS-2 8/89	
Depth (ft):	18-22
Bis(2-ethylhexyl)phthalate	0.31 J

SAMPLE LOCATION AND DATE

CONSTITUENT AND DETECTED CONCENTRATION IN PARTS PER MILLION (ppm)

NOTES:

1. ALL BORING AND MONITORING WELL LOCATIONS ARE APPROXIMATE.
2. ONLY DETECTED ANALYTES ARE SHOWN.
3. BRACKETS INDICATE DUPLICATE SAMPLE.
4. J = ESTIMATED VALUE LESS THAN THE CLP-REQUIRED QUANTITATION LIMITS.
5. D = ANALYSIS PERFORMED AT A SECONDARY DILUTION FACTOR.
6. ND = NOT DETECTED.
7. B = COMPOUND ALSO FOUND IN ASSOCIATED BLANK SAMPLE.
8. X = DATA HAS BEEN MANUALLY INTEGRATED.

0 100' 200'

SCALE: 1"=100'

GENERAL ELECTRIC
PITTSFIELD, MASSACHUSETTS
LYMAN ST PARKING LOT/ USEPA AREA 5A

SVOC SOIL ANALYTICAL RESULTS (SHEET 2 OF 2)

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 4-4B

20114040/20114B16.DWG 6/25/96 54-DMW DJ-B.PCP

E-3 8/9/95	
Depth (ft):	0-2
TCDFs	0.0012
2,3,7,8-TCDF	0.00015
PeCDFs	0.0017
2,3,4,7,8-PeCDF	0.000076
HxCDFs	0.0013
1,2,3,6,7,8-HxCDF	0.000091
2,3,4,6,7,8-HxCDF	0.00018
HpCDFs	0.00063
1,2,3,4,6,7,8-HpCDF	0.00024
1,2,3,4,7,8,9-HpCDF	0.000051
OCDF	0.00025
TCDDs	0.00024
2,3,7,8-TCDD	0.00006
PeCDDs	0.000079
1,2,3,7,8-PeCDD	0.0000077 J**
HxCDDs	0.0003
1,2,3,4,7,8-HxCDD	0.0000065 J**
1,2,3,6,7,8-HxCDD	0.000018
1,2,3,7,8,9-HxCDD	0.000017
HpCDDs	0.00024
1,2,3,4,6,7,8-HpCDD	0.00012
OCDD	0.0008

E-4 8/9/95	
Depth (ft):	0-2
TCDFs	0.00073
2,3,7,8-TCDF	0.000074
PeCDFs	0.00065
2,3,4,7,8-PeCDF	0.000036
HxCDFs	0.00041
1,2,3,6,7,8-HxCDF	0.000036
1,2,3,7,8,9-HxCDF	0.0000059 J**
2,3,4,6,7,8-HxCDF	0.000056
HpCDFs	0.00024
1,2,3,4,6,7,8-HpCDF	0.00012
1,2,3,4,7,8,9-HpCDF	0.000014
OCDF	0.00012
TCDDs	0.0018
2,3,7,8-TCDD	0.0000093
PeCDDs	0.0011
1,2,3,7,8-PeCDD	0.000027
HxCDDs	0.0018
1,2,3,4,7,8-HxCDD	0.000032
1,2,3,6,7,8-HxCDD	0.000095
1,2,3,7,8,9-HxCDD	0.000088
HpCDDs	0.00092
1,2,3,4,6,7,8-HpCDD	0.00035
OCDD	0.00085

E-5 8/10/95	
Depth (ft):	6-8
TCDFs	0.000074
2,3,7,8-TCDF	0.0000029 J**
PeCDFs	0.000031
HxCDFs	0.000035
1,2,3,4,7,8-HxCDF	0.000014
2,3,4,6,7,8-HxCDF	0.0000083 J**
HpCDFs	0.000022
1,2,3,4,6,7,8-HpCDF	0.000022
TCDDs	0.0000032
HxCDDs	0.000016
HpCDDs	0.000055
1,2,3,4,6,7,8-HpCDD	0.000022
OCDD	0.00086

E-6 8/16/95	
Depth (ft):	0-2
TCDFs	0.00044
2,3,7,8-TCDF	0.00005
PeCDFs	0.00021
1,2,3,7,8-PeCDF	0.000017
2,3,4,7,8-PeCDF	0.000015
HxCDFs	0.00012
1,2,3,4,7,8-HxCDF	0.000023
1,2,3,6,7,8-HxCDF	0.000011 J**
2,3,4,6,7,8-HxCDF	0.000012 J**
HpCDFs	0.00006
1,2,3,4,6,7,8-HpCDF	0.000035
OCDF	0.00004
TCDDs	0.000012
HxCDDs	0.0000076
HpCDDs	0.000042
1,2,3,4,6,7,8-HpCDD	0.000021
OCDD	0.00016

E-7 8/7/95	
Depth (ft):	4-6
TCDFs	0.000036
2,3,7,8-TCDF	0.0000038 J**
PeCDFs	0.0000084
HxCDFs	0.0000069
HpCDFs	0.000012
1,2,3,4,6,7,8-HpCDF	0.0000059 J**
OCDF	0.000012 J**
HpCDDs	0.000013
1,2,3,4,6,7,8-HpCDD	0.0000071 J**
OCDD	0.00004

LS-SOIL 10/90	
Depth (ft):	Surface
Total TCDF	0.001 (I)
Total PeCDF	0.00083 (I)
Total HxCDF	0.0006 (I)

LS-8 10/90	
Depth (ft):	16-18
Total TCDF	0.321
Total PeCDF	0.176

LS-11 10/90	
Depth (ft):	10-12
Total TCDF	0.0087
Total PeCDF	0.0062
Total HxCDF	0.0064

LS-26 8/10/95	
Depth (ft):	10-12
TCDFs	0.000019
PeCDFs	0.000013
HxCDFs	0.000018
1,2,3,4,7,8-HxCDF	0.0000076 J**
HpCDFs	0.000033
1,2,3,4,6,7,8-HpCDF	0.000026
OCDF	0.00003
TCDDs	0.0000016
HpCDDs	0.000039
1,2,3,4,6,7,8-HpCDD	0.000018
OCDD	0.00059

LS-27 8/11/95	
Depth (ft):	2-4
TCDFs	0.00015
2,3,7,8-TCDF	0.000017 J**
PeCDFs	0.00013
2,3,4,7,8-PeCDF	0.0000063 J**
HxCDFs	0.00014
1,2,3,4,7,8-HxCDF	0.000012
1,2,3,6,7,8-HxCDF	0.0000076 J**
2,3,4,6,7,8-HxCDF	0.000017
HpCDFs	0.000077
1,2,3,4,6,7,8-HpCDF	0.000029
OCDF	0.000029
TCDDs	0.0000051
HxCDDs	0.000038
HpCDDs	0.0003
1,2,3,4,6,7,8-HpCDD	0.00016
OCDD	0.0012

LS-28 8/14/95	
Depth (ft):	10-12
TCDFs	0.0000056
2,3,7,8-TCDF	0.0000014 J**

LS-29 8/8/95	
Depth (ft):	10-12
TCDFs	0.000018
2,3,7,8-TCDF	0.0000078
OCDD	0.000068

LS-30 8/14/95	
Depth (ft):	14-16
TCDFs	0.026
2,3,7,8-TCDF	0.0026 E
PeCDFs	0.02
1,2,3,7,8-PeCDF	0.0017
2,3,4,7,8-PeCDF	0.0016
HxCDFs	0.02
1,2,3,6,7,8-HxCDF	0.0046 E
1,2,3,7,8,9-HxCDF	0.0021
2,3,4,6,7,8-HxCDF	0.002
HpCDFs	0.015
1,2,3,4,6,7,8-HpCDF	0.0067 E
1,2,3,4,7,8,9-HpCDF	0.0037 E
OCDF	0.0096 E
TCDDs	0.00073
2,3,7,8-TCDD	0.000013
PeCDDs	0.00044
1,2,3,7,8-PeCDD	0.000057
HxCDDs	0.0015
1,2,3,4,7,8-HxCDD	0.000053
1,2,3,6,7,8-HxCDD	0.00013
1,2,3,7,8,9-HxCDD	0.00014
HpCDDs	0.0014
1,2,3,4,6,7,8-HpCDD	0.00067
OCDD	0.003

LS-31 8/15/95	
Depth (ft):	18-20
TCDFs	0.0021
2,3,7,8-TCDF	0.000099
PeCDFs	0.0037
2,3,4,7,8-PeCDF	0.00028
HxCDFs	0.0078
1,2,3,4,7,8-HxCDF	0.0012
1,2,3,6,7,8-HxCDF	0.00043
2,3,4,6,7,8-HxCDF	0.00057
HpCDFs	0.0074
1,2,3,4,6,7,8-HpCDF	0.0022
1,2,3,4,7,8,9-HpCDF	0.0014
OCDF	0.0055
TCDDs	0.00025
2,3,7,8-TCDD	0.0000098
PeCDDs	0.00009
1,2,3,7,8-PeCDD	0.00002
HxCDDs	0.0011
1,2,3,4,7,8-HxCDD	0.000088
1,2,3,6,7,8-HxCDD	0.000052
1,2,3,7,8,9-HxCDD	0.000086
HpCDDs	0.0042
1,2,3,4,6,7,8-HpCDD	0.0024
OCDD	0.038 E

LS-32 10/12/94	
Depth (ft):	2-4
HxCDDs	0.00251
HpCDDs	0.00984
TCDFs	0.0628
PeCDFs	0.131
HxCDFs	0.145
HpCDFs	0.0399

LS-33 10/12/94	
Depth (ft):	16-18
TCDFs	0.000227
PeCDFs	0.0011
HxCDFs	0.000947
HpCDFs	0.00044

LS-34 12/14/95	
Depth (ft):	22-24
TCDFs	0.00082
2,3,7,8-TCDF	0.000043
PeCDFs	0.0028
1,2,3,7,8-PeCDF	0.00011
2,3,4,7,8-PeCDF	0.0003
HxCDFs	0.0047
1,2,3,4,7,8-HxCDF	0.0016 E
1,2,3,6,7,8-HxCDF	0.0008
1,2,3,7,8,9-HxCDF	0.000032
2,3,4,6,7,8-HxCDF	0.00033
HpCDFs	0.0025
1,2,3,4,6,7,8-HpCDF	0.0011 E
1,2,3,4,7,8,9-HpCDF	0.0012 E
OCDF	0.0031 E
TCDDs	0.000067
2,3,7,8-TCDD	0.0000015 J**
PeCDDs	0.000057
1,2,3,7,8-PeCDD	0.000012
HxCDDs	0.00029
1,2,3,4,7,8-HxCDD	0.000036
1,2,3,6,7,8-HxCDD	0.000022
1,2,3,7,8,9-HxCDD	0.000026
HpCDDs	0.0013
1,2,3,4,6,7,8-HpCDD	0.00081
OCDD	0.0076 D

LS-35 8/15/95	
Depth (ft):	12-14
TCDFs	0.003
2,3,7,8-TCDF	0.00015
PeCDFs	0.0065
1,2,3,7,8-PeCDF	0.00011
2,3,4,7,8-PeCDF	0.00052
HxCDFs	0.0049
1,2,3,6,7,8-HxCDF	0.0012
2,3,4,6,7,8-HxCDF	0.00056
HpCDFs	0.0038
1,2,3,4,6,7,8-HpCDF	0.0012
1,2,3,4,7,8,9-HpCDF	0.0012
OCDF	0.0012
TCDDs	0.00054
2,3,7,8-TCDD	0.0000039 J**
PeCDDs	0.00023
HxCDDs	0.00077
1,2,3,4,7,8-HxCDD	0.000017
1,2,3,6,7,8-HxCDD	0.000055
1,2,3,7,8,9-HxCDD	0.000043
HpCDDs	0.00049
1,2,3,4,6,7,8-HpCDD	0.00019
OCDD	0.00089

LS-36 8/7/95	
Depth (ft):	16-18
TCDDs	0.0000027
HpCDDs	0.000011
OCDD	0.000048

LS-37 8/8/95	
Depth (ft):	6-8
TCDFs	0.000027
2,3,7,8-TCDF	0.0000020 J**
PeCDFs	0.0000055
TCDDs	0.0000029
HpCDDs	0.000031
1,2,3,4,6,7,8-HpCDD	0.000013
OCDD	0.00074

LS-43 4/96	
Depth (ft):	22-24
TCDFs	0.00019
2,3,7,8-TCDF	0.0000063
PeCDFs	0.0005
1,2,3,7,8-PeCDF	0.000015
2,3,4,7,8-PeCDF	0.000063
HxCDFs	0.0011
1,2,3,4,7,8-HxCDF	0.00039
1,2,3,6,7,8-HxCDF	0.00016
2,3,4,6,7,8-HxCDF	0.0001
1,2,3,7,8,9-HxCDF	0.0001
HpCDFs	0.0012
1,2,3,4,6,7,8-HpCDF	0.00035
1,2,3,4,7,8,9-HpCDF	0.00033
OCDF	0.0014
TCDDs	0.000046
PeCDDs	0.000016
1,2,3,7,8-PeCDD	0.0000067 J**
HxCDDs	0.00017
1,2,3,4,7,8-HxCDD	0.000021
1,2,3,6,7,8-HxCDD	0.000013
1,2,3,7,8,9-HxCDD	0.000016
HpCDDs	0.00062
1,2,3,4,6,7,8-HpCDD	0.00038
OCDD	0.0035

LS-44 4/96	
Depth (ft):	22-24
TCDFs	0.0000098
PeCDFs	0.000011

LS-C-11 8/30/95	
Depth (ft):	0-0.5
TCDFs	0.000079
2,3,7,8-TCDF	0.000015 J**
PeCDFs	0.00012
HxCDFs	0.00018
HpCDDs	0.0001
OCDD	0.00045

LS-C-12 8/30/95	
Depth (ft):	0-0.5
TCDFs	0.00006
2,3,7,8-TCDF	0.000022 J**
OCDD	0.00033

LS-C-13 8/30/95	
Depth (ft):	0-0.5
TCDFs	0.0025
2,3,7,8-TCDF	0.00048
PeCDFs	0.0029
1,2,3,7,8-PeCDF	0.00025
2,3,4,7,8-PeCDF	0.00029
HxCDFs	0.0043
1,2,3,4,7,8-HxCDF	0.0007
1,2,3,6,7,8-HxCDF	0.00041
2,3,4,6,7,8-HxCDF	0.00035
HpCDFs	0.0018
1,2,3,4,6,7,8-HpCDF	0.00084
1,2,3,4,7,8,9-HpCDF	0.00019
OCDF	0.0013
HxCDDs	0.000097
HpCDDs	0.00023
1,2,3,4,6,7,8-HpCDD	0.00011
OCDD	0.00046

LS-C-18 8/30/95	
Depth (ft):	0-0.5
OCDD	0.000033

LS-GWP-33 8/30/95	
Depth (ft):	0-0.5
TCDFs	0.00067
2,3,7,8-TCDF	0.000084
PeCDFs	0.0014
1,2,3,7,8-PeCDF	0.000028
2,3,4,7,8-PeCDF	0.000058 J**
HxCDFs	0.0014
1,2,3,4,7,8-HxCDF	0.000063
1,2,3,6,7,8-HxCDF	0.000061
1,2,3,7,8,9-HxCDF	0.0000098 J**
2,3,4,6,7,8-HxCDF	0.00018
HpCDFs	0.00057
1,2,3,4,6,7,8-HpCDF	0.00023
1,2,3,4,7,8,9-HpCDF	0.000021
OCDF	0.00013
TCDDs	0.0000052
2,3,7,8-TCDD	0.0000013 J**
HxCDDs	0.000045
HpCDDs	0.00019
1,2,3,4,6,7,8-HpCDD	0.000071
OCDD	0.00057

LS-GWP-34 8/30/95	
Depth (ft):	0-0.5
TCDFs	0.00086 [0.00088]
2,3,7,8-TCDF	0.00014 [0.00015]
PeCDFs	0.00049 [0.00054]
1,2,3,7,8-PeCDF	0.000051 [0.000052]
2,3,4,7,8-PeCDF	0.000043 [0.000048]
HxCDFs	0.00039 [0.00039]
1,2,3,4,7,8-HxCDF	0.000065 [0.000064]
1,2,3,6,7,8-HxCDF	0.000036 [0.000040]
2,3,4,6,7,8-HxCDF	0.000042 [0.000043]
HpCDFs	0.00045 [0.000045]
1,2,3,4,6,7,8-HpCDF	0.00020 [0.00020]
1,2,3,4,7,8,9-HpCDF	0.000016 [0.000016]
OCDF	0.00046 [0.00049]
TCDDs	0.000015 [0.000027]
2,3,7,8-TCDD	0.0000082 [0.0000088]
PeCDDs	0.0000053 [ND]
HxCDDs	0.00012 [0.00012]
1,2,3,4,7,8-HxCDD	0.0000054 J** [ND]
1,2,3,6,7,8-HxCDD	0.000014 [0.000015]
1,2,3,7,8,9-HxCDD	0.000013 [0.000013]
HpCDDs	0.00042 [0.00043]
1,2,3,4,6,7,8-HpCDD	0.00023 [0.00024]
OCDD	0.0012 [0.0013]

LEGEND

EDGE OF WATER

EDGE OF PAVEMENT

FENCE LINE

VEGETATION

B-3(W) MONITORING WELL LOCATION

RW-1 PUMPING WELL LOCATION

P-7 WELL POINT LOCATION

B-4 SOIL BORING LOCATION AND DESIGNATION

LS-19 SURFACE SOIL SAMPLE LOCATION

LS-C-18 8/30/95		SAMPLE LOCATION AND DATE
Depth (ft):	0-0.5	
OCDD	0.000033	CONSTITUENT AND DETECTED CONCENTRATION IN PARTS PER MILLION (ppm)

NOTES:

1. ALL BORING AND MONITORING WELL LOCATIONS ARE APPROXIMATE.
2. ONLY DETECTED ANALYTES ARE SHOWN.
3. BRACKETS INDICATE DUPLICATE SAMPLE.
4. J** = ESTIMATED VALUE BELOW THE LOWER CALIBRATION LIMIT BUT ABOVE THE TARGET DETECTION LIMIT.
5. (I) = POSSIBLE INTERFERENCES NOTED BY LABORATORY.
6. ND = NOT DETECTED.
7. E = COMPOUND EXCEEDED CALIBRATION RANGE.

0 100' 200'

SCALE: 1"=100'

GENERAL ELECTRIC
PITTSFIELD, MASSACHUSETTS
LYMAN ST PARKING LOT/ USEPA AREA 5A

DIOXN/FURAN SOIL ANALYTICAL RESULTS

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 4-5

20114040/20114807.DWG 6/25/96 54-DMW DJ-B.PCP

E-1	4/91
Depth (ft):	10–12
Aluminum	11700
Arsenic	5.6 N
Barium	45.8 J*
Beryllium	0.36 J*
Calcium	16400
Chromium	19.6
Cobalt	4.8 J*
Copper	74.7 (est)
Iron	31600
Lead	153
Magnesium	6210
Manganese	743
Nickel	11
Potassium	1310
Sodium	276 J*
Vanadium	27.5
Zinc	119

E-2	4/91
Depth (ft):	8–10
Aluminum	8770
Arsenic	2.6 NJ*
Barium	38.9 J*
Calcium	7260
Chromium	23.1
Cobalt	8.5 J*
Copper	354 (est)
Iron	62400
Lead	114
Magnesium	5630
Manganese	612
Mercury	0.14
Nickel	63.1
Potassium	831 J*
Sodium	186 J*
Vanadium	45.1
Zinc	193

E-3	8/9/95
Depth (ft):	0–2
Arsenic	6
Barium	39.5
Beryllium	0.25 J*
Cadmium	0.38 J*
Chromium	21.1
Cobalt	6.4
Copper	163
Lead	102 NMest.
Mercury	0.87 NM
Nickel	15.2
Selenium	1.3
Tin	3.9 J*
Vanadium	13.7
Zinc	191 est.

E-4	8/9/95
Depth (ft):	0–2
Arsenic	10.6
Barium	60.5
Beryllium	0.37 J*
Chromium	22.5
Cobalt	9.8
Copper	189
Lead	87.1 NMest.
Mercury	0.65 NM
Nickel	29.3
Selenium	2.4
Vanadium	22.2
Zinc	127 est.

E-5	8/10/95
Depth (ft):	6–8
Arsenic	8.1
Barium	57.6
Beryllium	0.46 J*
Cadmium	0.94
Chromium	13.2
Cobalt	5.1 J*
Copper	237
Lead	133 NMest.
Nickel	21.7
Selenium	1.4
Tin	8.6 J*
Vanadium	19.7
Zinc	256 est.

E-6	8/16/95
Depth (ft):	0–2
Arsenic	5.0 [5.1]
Barium	61 [73.5]
Beryllium	0.19 J* [0.19 J*]
Cadmium	0.23 J* [0.25 J*]
Chromium	8.3 [7.5]
Cobalt	7.4 [7.4]
Copper	46.3 [46.4]
Lead	150 NMest. [115]
Mercury	ND [0.13]
Nickel	13 [12]
Selenium	1.0 [1.1]
Vanadium	11.6 [11.1]
Zinc	144 est. [123]
Sulfide	329 [237]

E-7	8/7/95
Depth (ft):	4–6
Arsenic	3.5
Barium	29.4
Beryllium	0.20 J*
Cadmium	0.21 J*
Chromium	7.6
Cobalt	7.4
Copper	20.4
Lead	70.1 NMest.
Nickel	12.6
Selenium	0.95
Vanadium	8
Zinc	64.8 est.

E-8	8/9/95
Depth (ft):	18–20
Arsenic	2.5
Barium	39.3
Beryllium	0.37 J*
Chromium	10.1
Cobalt	8.7
Copper	12.3
Lead	5.1 NMest.
Nickel	13
Selenium	1.5
Vanadium	11.4
Zinc	54.3 est.
Sulfide	483

LS-SOIL	10/90
Depth (ft):	Surface
Barium	19.3
Beryllium	0.2
Chromium	7
Cobalt	4
Copper	17
Lead	19
Nickel	7
Vanadium	6
Zinc	41
Sulfide	180

LS-7	10/90
Depth (ft):	14–16
Barium	42.4
Beryllium	0.1
Chromium	8
Cobalt	6
Copper	20
Lead	16
Nickel	8
Thallium	22
Vanadium	7
Zinc	47.8
Sulfide	130

LS-8	10/90
Depth (ft):	16–18
Barium	18
Chromium	3
Cobalt	4
Copper	82
Lead	11
Mercury	0.1
Nickel	6
Thallium	10
Tin	6
Vanadium	2
Zinc	33.4

LS-9	10/90
Depth (ft):	14–16
Barium	8.8
Beryllium	0.1
Chromium	12
Cobalt	3
Copper	17
Lead	14
Mercury	0.1
Nickel	2
Tin	5
Vanadium	2
Zinc	34.5
Sulfide	140

LS-10	10/90
Depth (ft):	10–12
Barium	6
Chromium	2
Cobalt	5
Copper	19
Lead	9
Nickel	7
Tin	3
Vanadium	1
Zinc	23.5

LS-11	10/90
Depth (ft):	10–12
Barium	232
Beryllium	0.2
Cadmium	1.7
Chromium	56
Cobalt	9
Copper	1050
Lead	803
Mercury	0.3
Nickel	62
Silver	1.8
Tin	50
Vanadium	9
Zinc	768
Sulfide	130

LS-26	8/10/95
Depth (ft):	10–12
Arsenic	5.8
Barium	30.9
Beryllium	0.23 J*
Cadmium	0.8
Chromium	12.2
Cobalt	5.40 J*
Copper	93.1
Lead	165 NMest.
Nickel	26.9
Selenium	1.6
Vanadium	16.1
Zinc	247 est.

LS-27	8/11/95
Depth (ft):	2–4
Antimony	3.3 J*N
Arsenic	9.8
Barium	42.7
Beryllium	0.35 J*
Cadmium	0.65
Chromium	15.4
Cobalt	7.4
Copper	3610
Lead	261 NMest.
Mercury	0.12 NM
Nickel	32.1
Selenium	1.6
Silver	0.49 J*
Tin	117
Vanadium	19.2
Zinc	578 est.
Sulfide	263

LS-28	8/14/95
Depth (ft):	10–12
Arsenic	5.9
Barium	15.5 J*
Beryllium	0.11 J*
Chromium	9.8
Cobalt	11.7
Copper	27.5
Lead	8.6 NMest.
Nickel	20.0
Selenium	1.5
Vanadium	8.3
Zinc	55.8 est.

LS-29	8/8/95
Depth (ft):	10–12
Arsenic	3.5
Barium	200
Beryllium	1
Chromium	27.6
Cobalt	4.9 J*
Copper	24.5
Lead	119 NMest.
Nickel	6.8
Selenium	2
Vanadium	49.5
Zinc	28.8 est.

LS-30	8/14/95
Depth (ft):	14–16
Antimony	4.4 J*N
Arsenic	7.3
Barium	149
Beryllium	0.13 J*
Cadmium	2.40
Chromium	29.3
Cobalt	8.2
Copper	1390
Lead	787 NMest.
Mercury	0.59 NM
Nickel	24.0
Selenium	1.5
Silver	1.5
Tin	242
Vanadium	7.5
Zinc	834 est.
Sulfide	429

LS-31	8/15/95
Depth (ft):	18–20
Arsenic	5.7
Barium	49.1
Chromium	8.9
Cobalt	8
Copper	1470
Lead	84.5 NMest.
Mercury	0.42 NM
Nickel	16.0
Selenium	1.2
Silver	0.38 J*
Tin	12.1 J*
Vanadium	6.7
Zinc	125 est.
Sulfide	346

LS-32	10/12/94
Depth (ft):	2–4
Aluminum	12400
Antimony	29.6
Arsenic	9
Barium	661 J*
Beryllium	0.29
Cadmium	5.4
Calcium	11300
Chromium	204
Cobalt	11.7
Copper	4650
Iron	41500
Lead	14400
Magnesium	5600
Manganese	791
Nickel	82
Potassium	770 J*
Silver	5.8
Sodium	547 J*
Tin	482
Vanadium	13.7
Zinc	3610

LS-33	10/12/94
Depth (ft):	16–18
Aluminum	11300
Arsenic	3.7
Barium	32.1
Beryllium	0.28 J*
Calcium	669
Chromium	15.5
Cobalt	4.6 J*
Copper	7.9
Iron	15900
Lead	11
Magnesium	1360
Manganese	113
Nickel	8
Potassium	798
Selenium	0.6 J*
Tin	1.5 J*
Vanadium	26.9
Zinc	25.3

LS-34	12/14/95
Depth (ft):	22–24
Antimony	2.6 J*
Arsenic	11.1
Barium	16.2
Beryllium	0.16 J*
Chromium	7.9
Cobalt	10.7
Copper	19.5
Lead	6.4
Nickel	15.6
Selenium	0.46 J*
Tin	2.0 J*
Vanadium	6.0 J*
Zinc	47.8

LS-35	8/15/95
Depth (ft):	12–14
Arsenic	2.6
Barium	36.3
Beryllium	0.26 J*
Chromium	8.9
Cobalt	8.5
Copper	15.9
Lead	8.1 NMest.
Nickel	11.4
Selenium	1.1
Vanadium	8.5
Zinc	49.5 est.

LS-36	8/7/95
Depth (ft):	16–18
Arsenic	2.2
Barium	20.4 J*
Beryllium	0.22 J*
Cadmium	0.26 J*
Chromium	8
Cobalt	7.1
Copper	7
Lead	3.0 NMest.
Nickel	10.8
Selenium	1.3
Vanadium	7.4
Zinc	43.1 est.

LS-37	8/8/95
Depth (ft):	6–8
Antimony	3.80 J*N
Arsenic	11
Barium	32.8
Beryllium	0.32 J*
Cadmium	0.95
Chromium	25.6
Cobalt	10.8
Copper	461
Lead	190 NMest.
Nickel	32.9
Selenium	2.7
Tin	23
Vanadium	29.4
Zinc	296 est.

LS-38	8/14/95
Depth (ft):	16–18
Arsenic	2.3
Barium	48.9
Beryllium	0.14 J*
Chromium	7.6
Cobalt	7.1 J*
Copper	7.9
Lead	3.40 NMest.
Nickel	10.7
Selenium	0.9
Vanadium	7.8
Zinc	41.9 est.
Sulfide	298

LS-39	8/10/95
Depth (ft):	10–12
Arsenic	3.5
Barium	10.9 J*
Beryllium	0.16 J*
Chromium	10.1
Cobalt	13.2
Copper	25.7
Lead	8.9 NMest.
Nickel	20.7
Selenium	1.4
Vanadium	8
Zinc	58.4 est.

LS-40	8/10/95
Depth (ft):	10–12
Arsenic	3.6
Barium	12.3 J*
Beryllium	0.13 J*
Chromium	8.2
Cobalt	10.9
Copper	23.5
Lead	6.7 NMest.
Nickel	17.4
Selenium	1.2
Vanadium	6.0 J*
Zinc	49.8 est.

LS-42	4/96
Depth (ft):	20–22
Arsenic	5.5
Barium	8.8 J*
Beryllium	0.17 J*
Chromium	11.9
Cobalt	12.8
Copper	25.9
Lead	15.7
Nickel	20.5
Vanadium	8.2
Zinc	60.5 est.
Tin	4.0 J*

LS-43	4/96
Depth (ft):	22–24
Arsenic	4.2
Barium	14.9 J*
Beryllium	0.18 J*
Chromium	7.8
Cobalt	8.7
Copper	23
Lead	33.7
Nickel	14.5
Vanadium	5.8 J*
Zinc	54 est.
Tin	11 J*

LS-44	4/96
Depth (ft):	22–24
Arsenic	4.1
Barium	15 J*
Beryllium	0.23 J*
Chromium	6.8
Cobalt	9.2
Copper	13.5
Lead	8.1
Nickel	11.4
Vanadium	6.0 J*
Zinc	41.9 est,
Tin	9.3 J*

LS-45	4/96
Depth (ft):	10–12
Arsenic	1.6
Barium	20.8 J*
Beryllium	0.25 J*
Chromium	7.3
Cobalt	6.3 J*
Copper	10.5
Lead	5.9
Nickel	8.7
Vanadium	6.9
Zinc	35.6 est.

LS-C-11	8/30/95
Depth (ft):	0–0.5
Arsenic	5.3 Mest.
Barium	19.3 J*
Beryllium	0.27 J*
Cadmium	0.30 J*
Chromium	6.9
Cobalt	6.8
Copper	18.9 M
Lead	84.5
Nickel	14.8
Selenium	0.8
Vanadium	15.7
Zinc	82 est.

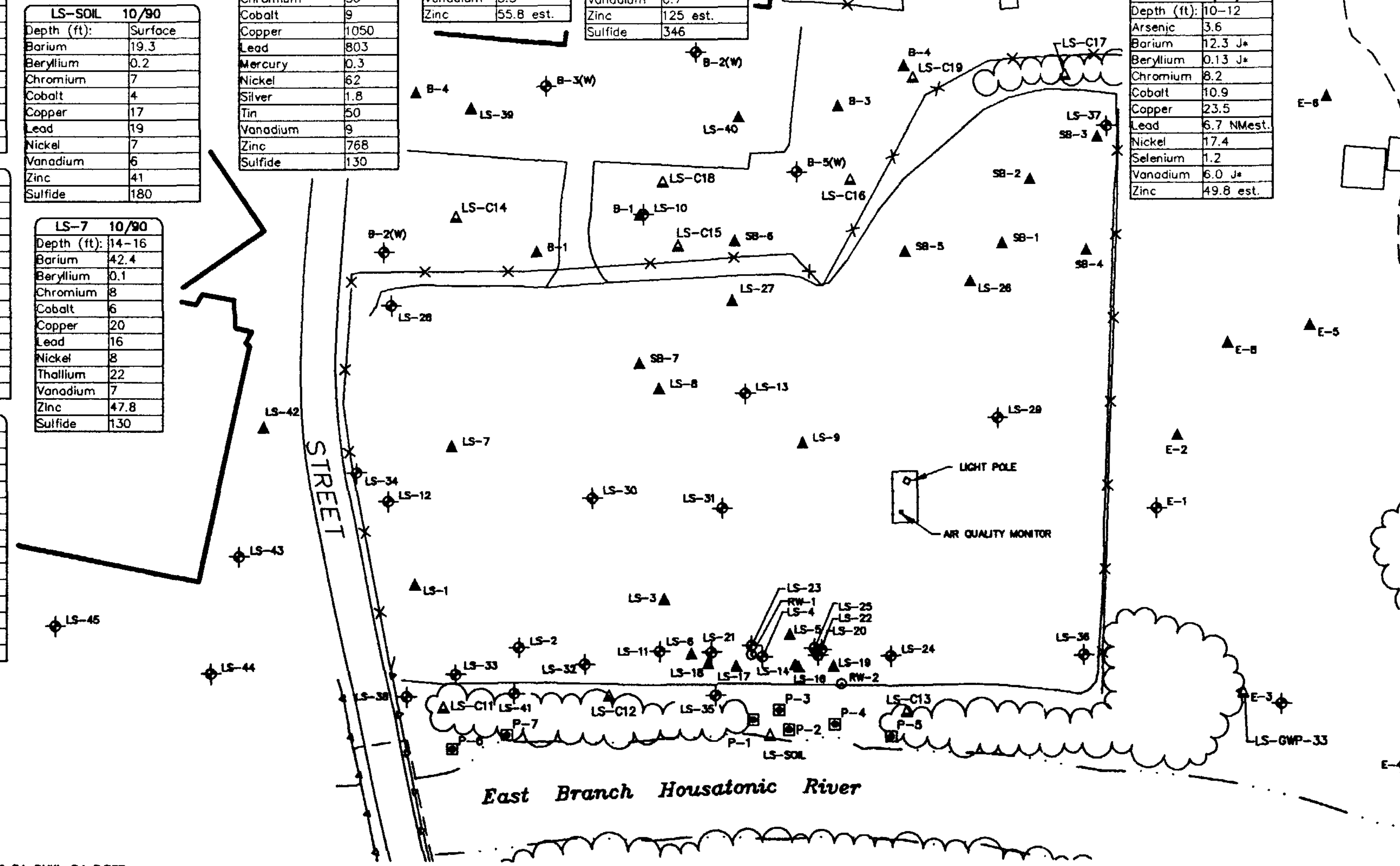
LS-C-12	8/30/95
Depth (ft):	0–0.5
Antimony	1.7 J*N
Arsenic	6.2 Mest.
Barium	15.0 J*
Beryllium	0.19 J*
Cadmium	0.19 J*
Chromium	7.50
Cobalt	7.30
Copper	17.5 M
Lead	53.0
Nickel	14.1
Selenium	0.86
Vanadium	13.1
Zinc	166 est.

LS-C-13	8/30/95
Depth (ft):	0–0.5
Antimony	ND [2.43 J*]
Arsenic	7.5 Mest. [5.19]
Barium	40.3 [40.6]
Beryllium	0.20 J* [0.22 J*]
Cadmium	0.47 J* [0.31 J*]
Chromium	10.6 [10.5]
Cobalt	8.8 [6.6]
Copper	85.2 M [111]
Lead	117 [124]
Mercury	0.33 N [0.37]
Nickel	19.1 [15.9]
Selenium	1.2 [1.3]
Sulfide	264
Tin	2.9 J* [5.52 J*]
Vanadium	19.1 [19.6]
Zinc	177 est. [181]

LS-C-18	08/30/95
Depth (ft):	0–0.5
Arsenic	5.7 Mest.
Barium	21.9
Beryllium	0.21 J*
Chromium	9.80
Cobalt	11.4
Copper	24 M
Lead	12.6
Nickel	17.5
Selenium	0.96
Silver	0.28 J*
Vanadium	8.3
Zinc	52.0 est.

LS-GWP-33	08/30/95
Depth (ft):	0–0.5
Arsenic	9.7 Mest.
Barium	33.5
Beryllium	0.27 J*
Chromium	12.5
Cobalt	7.8
Copper	76.2 M
Lead	72.2
Mercury	0.62 N
Nickel	15.1
Selenium	1
Vanadium	16.1
Zinc	109 est.

LS-GWP-34	08/30/95
Depth (ft):	0–0.5
Antimony	ND [3.2 J*N]
Arsenic	5.1 Mest. [5.4 Mest.]
Barium	49.2 [47.8]
Beryllium	0.29 J* [0.28 J*]
Cadmium	0.51 J* [0.47 J*]
Chromium	8.8 [8.8]
Cobalt	7.6 [7.5]
Copper	44.1 M [43.2 M]
Lead	108 [106]
Mercury	0.18 N [0.17 N]
Nickel	15.1 [15.2]
Selenium	1.2 [0.90]
Sulfide	296 [296]
Vanadium	18.8 [18.8]
Zinc	299 est. [300 est.]



LEGEND

EDGE OF WATER

EDGE OF PAVEMENT

FENCE LINE

VEGETATION

B-3(W) MONITORING WELL LOCATION

RW-1 PUMPING WELL LOCATION

P-7 WELL POINT LOCATION

B-4 SOIL BORING LOCATION AND DESIGNATION

LS-19 SURFACE SOIL SAMPLE LOCATION

LS-7	10/90
Depth (ft):	14–16
Barium	42.4

SAMPLE LOCATION AND DATE

CONSTITUENT AND DETECTED CONCENTRATION IN PARTS PER MILLION (ppm)

NOTES:

1. ALL BORING AND MONITORING WELL LOCATIONS ARE APPROXIMATE.
2. ONLY DETECTED ANALYTES ARE SHOWN.
3. BRACKETS INDICATE DUPLICATE SAMPLE.
4. J* = VALUE LESS THAN CONTRACT REQUIRED DETECTION LIMIT BUT GREATER THAN INSTRUMENT DETECTION LIMIT.
5. N = SPIKED SAMPLE RECOVERY NOT WITHIN CONTROL LIMITS.
6. ND = NOT DETECTED.
7. M = DUPLICATE ANALYSIS NOT WITHIN CONTROL LIMITS.
8. (est) = ESTIMATED VALUE DUE TO INTERFERENCE.

0 100' 200'

SCALE: 1"=100'

GENERAL ELECTRIC
PITTSFIELD, MASSACHUSETTS
LYMAN ST PARKING LOT/ USEPA AREA 5A

INORGANICS SOIL ANALYTICAL RESULTS

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 4-6

20114040/20114804.DWG 6/25/96 54-DMW DJ-B.PCP

LS-2	
Soil Obs.	Well Obs.
Oil Sheen 10'–22' Free Oil 10'–12'	LNAPL 1.75'

LS-3
Soil Obs.
Oil Sheen 12'–18'

LS-4	
Soil Obs.	Well Obs.
Oil Sheen 12'–22' Free Oil 16'–22'	DNAPL 0.70'

LS-8
Soil Obs.
Oil Stain/ Sheen 8'–12' Saturated With Oil 12'–22' Petroleum Appearance 22'–24'

LS-9
Soil Obs.
Petroleum Appearance 12'–20'

LS-11
Soil Obs.
Petroleum Appearance/Sheen 8'–18'

LS-12	
Soil Obs.	Well Obs.
Oil Sheen 18'–24' and 6'–8'	---

LS-13	
Soil Obs.	Well Obs.
Petroleum Stained 2'–12' and 14'–18' Petroleum Saturated 12'–14' and 18'–20' Free Oil 14'–16'	---

LS-14
Soil Obs.
Oil Sheen 12'–17'

LS-16
Soil Obs.
Oil Sheen 12'–17.5'

LS-17
Soil Obs.
Oil Stained 9'–14' Sheen 9'–14'

LS-18
Soil Obs.
Oil Stained 8'–12' Sheen 12'–16'

LS-19
Soil Obs.
Sheen 1'–4'

LS-21	
Soil Obs.	Well Obs.
Sheen 10'–16.5'	LNAPL 0.72'

LS-23	
Soil Obs.	Well Obs.
Oil Sheen/Free Oil 14'–16'	LNAPL 0.86'

LS-25	
Soil Obs.	Well Obs.
Light Oil Sheens 16'–18.3'	---

LS-29
Soil Obs.
Sheens 30'–35'

LS-30	
Soil Obs.	Well Obs.
Heavy Sheens and Product Saturated 12'–18.6'	DNAPL 2.44'

LS-31	
Soil Obs.	Well Obs.
Product Saturated 12'–16.5'	DNAPL 2.18'

LS-32	
Soil Obs.	Well Obs.
Sheens 18'–19.5'	---

LS-33	
Soil Obs.	Well Obs.
Oil Sheen 14'–17.6' Free Oil 15.3'–16'	LNAPL 0.72'

LS-34	
Soil Obs.	Well Obs.
Sheen 22'–25'	DNAPL 2.22

LS-35	
Soil Obs.	Well Obs.
Sheens 12'–16' Slight Sheens 16.8'–17.5'	LNAPL 0.14'

LS-41	
Soil Obs.	Well Obs.
NAPL and Sheens 11'–19'	LNAPL 1.15'

LS-43	
Soil Obs.	Well Obs.
Sheen 23.6'–25.5'	---

P-4
Well Obs.
LNAPL 0.48'

RW-1	
Soil Obs.	Well Obs.
---	LNAPL 0.34' DNAPL 0.50'

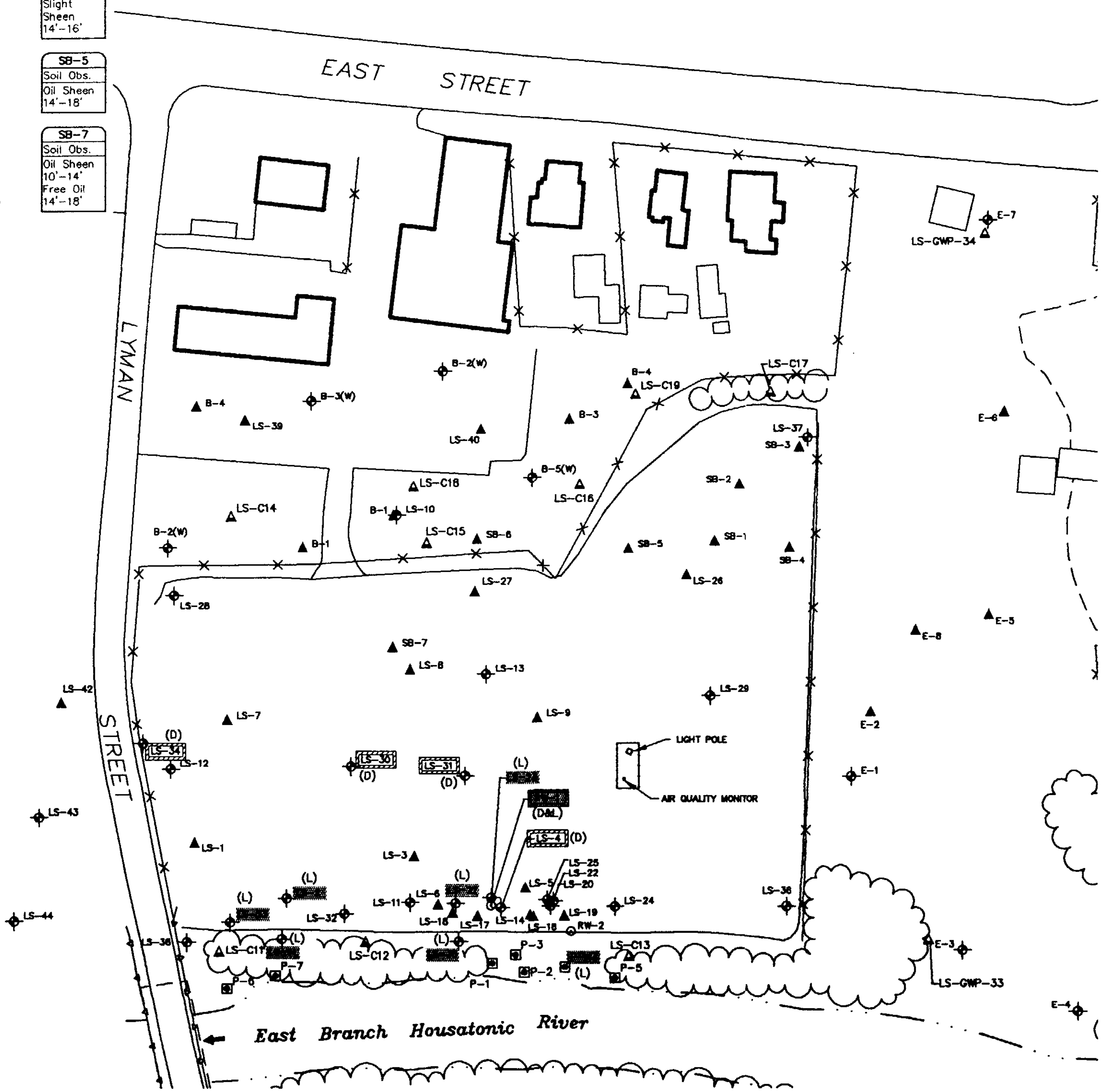
SB-2
Soil Obs.
Oil Sheen 12'–16'

SB-3
Soil Obs.
Oil Sheen 12'–16'

SB-4
Soil Obs.
Slight Sheen 14'–16'

SB-5
Soil Obs.
Oil Sheen 14'–18'

SB-7
Soil Obs.
Oil Sheen 10'–14' Free Oil 14'–18'



LEGEND

EDGE OF WATER
EDGE OF PAVEMENT
FENCE LINE
VEGETATION
B-3(W) MONITORING WELL LOCATION
RW-1 PUMPING WELL LOCATION
P-7 WELL POINT LOCATION
B-4 SOIL BORING LOCATION AND DESIGNATION
LS-19 SURFACE SOIL SAMPLE LOCATION

SOIL OBSERVATION

LS-21	
Soil Obs.	Well Obs.
Sheen 10'–12'	LNAPL 0.72'

BORING/WELL ID.
WELL OBSERVATION
NAPL THICKNESS (FEET)
DEPTH (FEET BELOW GROUND SURFACE)

--- INDICATION OF NAPL NOT OBSERVED
(L) LNAPL LIGHT NON-AQUEOUS PHASE LIQUID OBSERVED IN MONITORING WELL
(D) DNAPL DENSE NON-AQUEOUS PHASE LIQUID OBSERVED IN MONITORING WELL

NOTES:

1. ALL BORING AND MONITORING WELL LOCATIONS ARE APPROXIMATE.
2. SOIL OBSERVATIONS WERE MADE DURING SOIL BORING INSTALLATION. WELL OBSERVATIONS FOR NAPL WERE MADE ON APRIL 4, 1996.

0 100' 200'
SCALE: 1"=100'

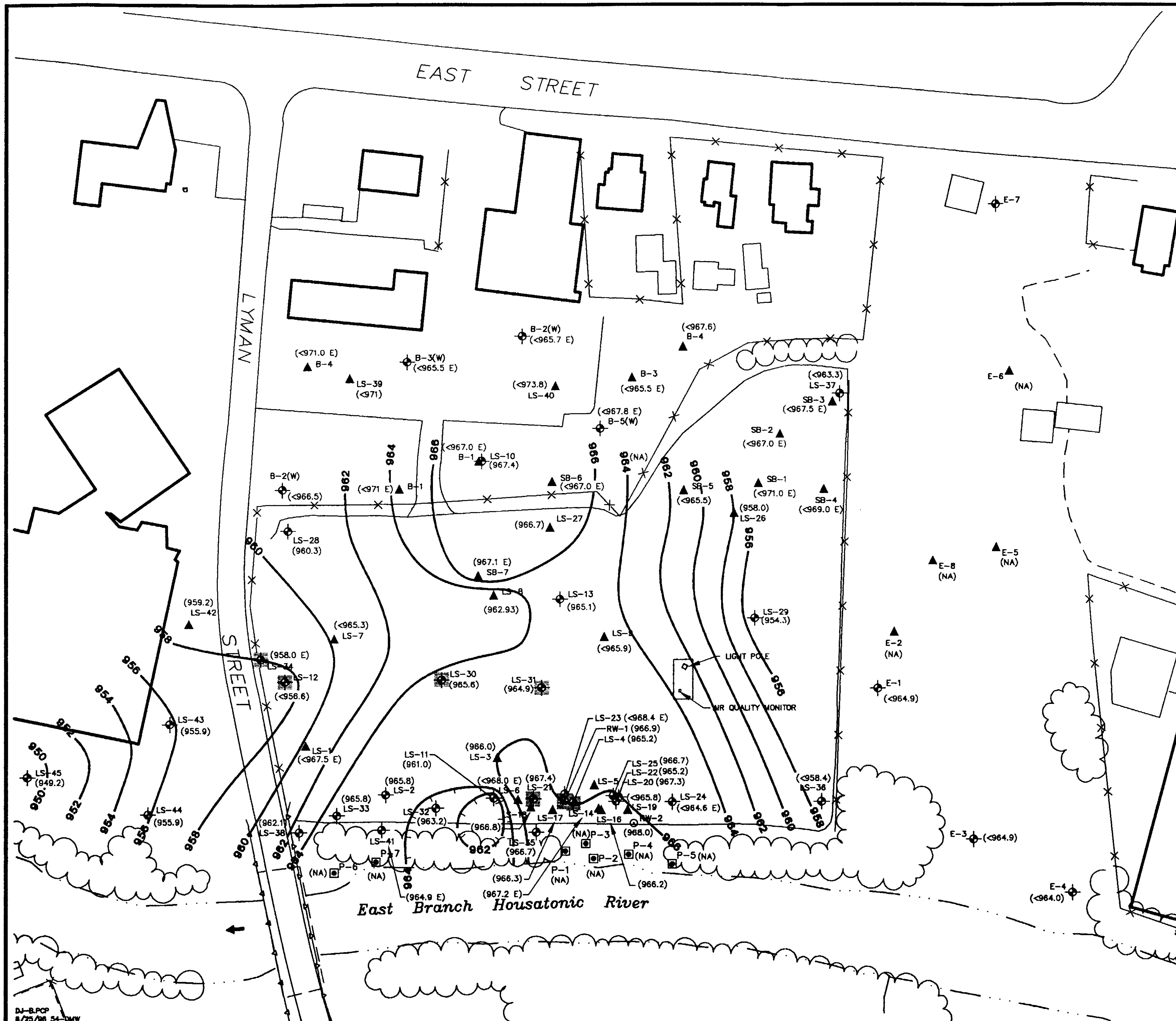
GENERAL ELECTRIC
PITTSFIELD, MASSACHUSETTS
LYMAN ST PARKING LOT/ USEPA AREA 5A

DISTRIBUTION OF SHEENS, NAPL, AND NAPL THICKNESSES

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 5-1

20114040/20114817.DWG 6/25/96 54-DMW DJ-B.PCP



LEGEND

EDGE OF WATER
EDGE OF PAVEMENT
FENCE LINE
VEGETATION
B-3(W) MONITORING WELL LOCATION
RW-1 PUMPING WELL LOCATION
P-7 WELL POINT LOCATION
B-4 SOIL BORING LOCATION AND DESIGNATION
(964.9) TOP OF SILT ELEVATION (FEET)
966 TOP OF SILT ELEVATION CONTOUR (FEET), DASHED WHERE INFERRED
CURRENT OR HISTORICAL OBSERVATION OF MEASURABLE DNAPL

NOTES:

1. ALL BORING AND MONITORING WELL LOCATIONS ARE APPROXIMATE.
2. NA = SILT ELEVATION NOT AVAILABLE.
3. E = ELEVATION IS BASED ON AN ESTIMATED GROUND SURFACE.

0 80' 160'
SCALE: 1" = 80'

GENERAL ELECTRIC
PITTSFIELD, MASSACHUSETTS
LYMAN ST PARKING LOT/ USEPA AREA 5A

INTERPRETED TOP OF SILT ELEVATION CONTOURS

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 5-2

LNAPL/DNAPL/WATER ELEVATIONS				
Well Name	Date	LNAPL	DNAPL	Water Elev.
RW-1	13-Apr-94	0.00	0.70	968.96
RW-2	13-Apr-94	0.00		973.77
LS-12	14-Apr-94	0.00		976.41
LS-2	14-Apr-94	1.14		975.99
LS-20	14-Apr-94	0.00		976.39
LS-21	14-Apr-94	0.10	1.29	974.86
LS-23	14-Apr-94	0.19		975.68
LS-24	14-Apr-94	0.00		976.26
LS-4	14-Apr-94	0.00	0.12	975.75
P-1	14-Apr-94	0.00		976.07
P-2	14-Apr-94	0.00		976.20
P-3	14-Apr-94	0.00		976.03
P-4	14-Apr-94	1.13		976.05
P-5	14-Apr-94	0.00		976.43
River	14-Apr-94	0.00		976.50

LEGEND

- EDGE OF WATER
- EDGE OF PAVEMENT
- FENCE LINE
- VEGETATION
- B-3(W) MONITORING WELL LOCATION
- RW-1 PUMPING WELL LOCATION
- P-7 WELL POINT LOCATION
- 975.0 WATER TABLE CONTOUR (FEET MSL, 1929 NGVD) CORRECTED FOR LNAPL SPECIFIC GRAVITY = 0.93, DASHED WHERE INFERRED

NOTES:

1. ALL BORING AND MONITORING WELL LOCATIONS ARE APPROXIMATE.
2. RW-1 AND RW-2 FLUID LEVEL MEASUREMENTS FROM APRIL 13, 1994.
3. P-2 WAS UNDER WATER.
4. MEAN TOTAL DISCHARGE RATE FROM RW-1 AND RW-2 WAS 5.5 GPM (GALLONS PER MINUTE).
5. SOME CONTOURS AROUND RW-1 NOT SHOWN FOR CLARITY.

0 80' 160'

SCALE: 1" = 80'

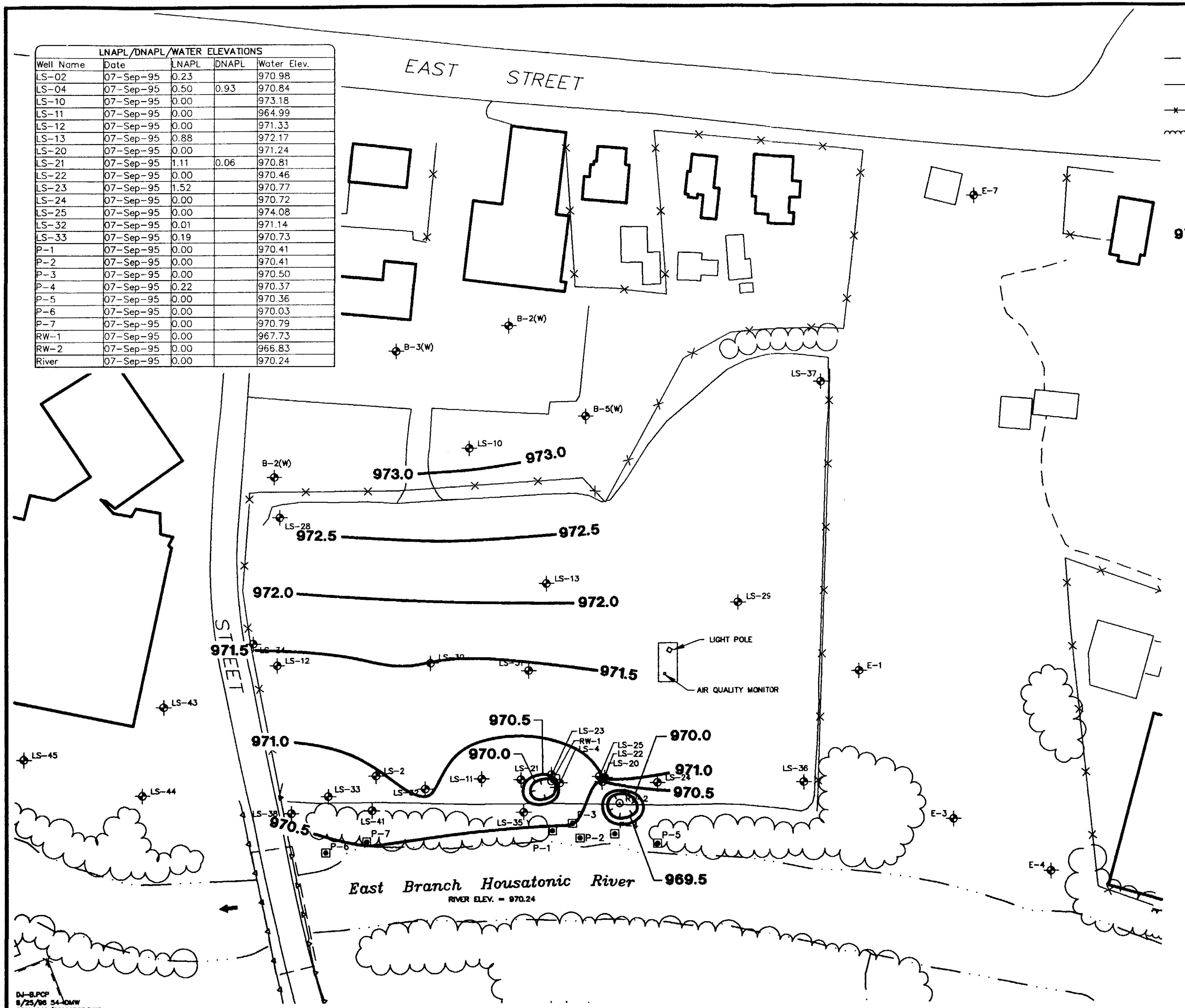
GENERAL ELECTRIC
PITTSFIELD, MASSACHUSETTS
LYMAN ST PARKING LOT/ USEPA AREA 5A

GENERALIZED GROUNDWATER ELEVATION CONTOUR MAP APRIL 14, 1994

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 5-3

LNAPL/DNAPL/WATER ELEVATIONS				
Well Name	Date	LNAPL	DNAPL	Water Elev.
LS-02	07-Sep-95	0.23		970.98
LS-04	07-Sep-95	0.50	0.93	970.84
LS-10	07-Sep-95	0.00		973.18
LS-11	07-Sep-95	0.00		964.99
LS-12	07-Sep-95	0.00		971.33
LS-13	07-Sep-95	0.88		972.17
LS-20	07-Sep-95	0.00		971.24
LS-21	07-Sep-95	1.11	0.06	970.81
LS-22	07-Sep-95	0.00		970.46
LS-23	07-Sep-95	1.52		970.77
LS-24	07-Sep-95	0.00		970.72
LS-25	07-Sep-95	0.00		974.08
LS-32	07-Sep-95	0.01		971.14
LS-33	07-Sep-95	0.19		970.73
P-1	07-Sep-95	0.00		970.41
P-2	07-Sep-95	0.00		970.41
P-3	07-Sep-95	0.00		970.50
P-4	07-Sep-95	0.22		970.37
P-5	07-Sep-95	0.00		970.36
P-6	07-Sep-95	0.00		970.03
P-7	07-Sep-95	0.00		970.79
RW-1	07-Sep-95	0.00		967.73
RW-2	07-Sep-95	0.00		966.83
River	07-Sep-95	0.00		970.24



LEGEND

- EDGE OF WATER
- EDGE OF PAVEMENT
- FENCE LINE
- VEGETATION
- B-3(W) MONITORING WELL LOCATION
- RW-1 PUMPING WELL LOCATION
- P-7 WELL POINT LOCATION
- 972.0 WATER TABLE CONTOUR (FEET MSL, 1929 NGVD) CORRECTED FOR LNAPL SPECIFIC GRAVITY = 0.93, DASHED WHERE INFERRED

NOTES:

1. ALL BORING AND MONITORING WELL LOCATIONS ARE APPROXIMATE.
2. MEAN TOTAL DISCHARGE RATE FROM RW-1 AND RW-2 WAS 2.4 GPM (GALLONS PER MINUTE).
3. SOME CONTOURS AROUND RW-1 AND RW-2 NOT SHOWN FOR CLARITY.

0 80' 160'

SCALE: 1" = 80'

GENERAL ELECTRIC
PITTSFIELD, MASSACHUSETTS

LYMAN ST PARKING LOT/ USEPA AREA 5A

GENERALIZED GROUNDWATER ELEVATION CONTOUR MAP SEPTEMBER 7, 1995

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 5-4

DJ-B.PCP
8/25/98 54-40MW
20114040/20114820.DWG

2

GROUND-WATER SAMPLES			
ID:	Date:	Unfiltered	Filtered
E-1	12/01/95	0.0052	0.0034
E-3	11/30/95	0.0021	0.0013
E-4	12/01/95	0.0028	0.00044
E-7	12/01/95	0.00033	0.00042
LS-2	8/89	NA	0.8
LS-2	10/90	0.9	NA
LS-4	8/89	0.018	NA
LS-4	10/90	0.009	NA
LS-10	10/90	0.0018	NA
LS-10	10/20/94	0.0065*	NA
LS-10	11/30/95	0.0064	0.0019
LS-11	10/90	0.12 D	NA
LS-11	10/20/94	0.146*	NA
LS-11	11/29/95	0.06	0.0037
LS-12	10/90	1.2 D	NA
LS-12	10/20/94	51.6*	NA
LS-12	11/29/95	25	0.42
LS-13	10/90	2.1	NA
LS-20	11/29/95	0.095	0.0023
LS-20	10/20/94	0.018	NA
LS-22	10/20/94	0.046	NA
LS-24	10/20/94	0.018	NA
LS-24	11/29/95	0.0093	0.0016
LS-25	10/20/94	0.0022*	NA
LS-25	11/30/95	0.0056	0.0032
LS-28	11/28/95	0.0013	0.00069
LS-29	11/30/95	0.017	0.0081
LS-32	10/20/94	0.132* [0.098*]	NA
LS-33	10/20/94	24*	NA
LS-34	12/28/95	32	0.03
LS-36	11/29/95	0.0018	0.00021
LS-37	11/28/95	0.00011 [0.0004]	ND [ND]
WP-6	11/88	23	NA

LEGEND

- EDGE OF WATER
- EDGE OF PAVEMENT
- FENCE LINE
- VEGETATION
- B-3(W) MONITORING WELL LOCATION
- RW-1 PUMPING WELL LOCATION
- P-7 WELL POINT LOCATION
- B-4 SOIL BORING LOCATION AND DESIGNATION
- LS-19 SURFACE SOIL SAMPLE LOCATION

NOTES:

1. ALL BORING AND MONITORING WELL LOCATIONS ARE APPROXIMATE.
2. ONLY DETECTED ANALYTES ARE SHOWN.
3. BRACKETS INDICATE DUPLICATE SAMPLE.
4. ALL CONCENTRATIONS IN PARTS PER MILLION (ppm).
5. D = ANALYSIS PERFORMED AT A SECONDARY DILUTION FACTOR.
6. ND = NOT DETECTED.
7. NA = NOT ANALYZED.
8. * = SAMPLE EXHIBITS ALTERATION OF STANDARD AROCLOR PATTERN.

0 100' 200'
SCALE: 1"=100'

GENERAL ELECTRIC
PITTSFIELD, MASSACHUSETTS
LYMAN ST PARKING LOT/ USEPA AREA 5A

PCB GROUND-WATER ANALYTICAL RESULTS

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 5-5

20114040/20114B14.DWG 5/13/96 54-DMW DJ-B.PCP

3

E-1 12/01/95	
4,4'-DDE	0.00012

LS-11		
Date:	10/90	11/29/95
Aldrin	0.0013 D	ND
BHC-beta	0.0004	ND
4,4'-DDE	ND	0.0017
Endrin Aldehyde	ND	0.001
Heptachlor Epoxide	ND	0.0011

LS-12		
Date:	10/90	11/29/95
Endosulfan I	0.011 D	ND
4,4'-DDE	ND	0.26
4,4'-DDT	ND	0.11

LS-24 11/29/95	
Heptachlor Epoxide	0.000054

LS-29 11/30/95	
4,4'-DDE	0.00092

LS-34 12/28/95	
4,4'-DDE	0.18
Heptachlor Epoxide	0.096

LEGEND

EDGE OF WATER
EDGE OF PAVEMENT
FENCE LINE
VEGETATION
B-3(W) MONITORING WELL LOCATION
RW-1 PUMPING WELL LOCATION
P-7 WELL POINT LOCATION
B-4 SOIL BORING LOCATION AND DESIGNATION
LS-19 SURFACE SOIL SAMPLE LOCATION

LS-29 11/30/95	
4,4'-DDE	0.00092

SAMPLE LOCATION AND DATE
CONSTITUENT AND DETECTED CONCENTRATION IN PARTS PER MILLION (ppm)

NOTES:

1. ALL BORING AND MONITORING WELL LOCATIONS ARE APPROXIMATE.
2. ONLY DETECTED ANALYTES ARE SHOWN.
3. ND = NOT DETECTED
4. D = ANALYSIS PERFORMED AT A SECONDARY DILUTION FACTOR.

0 100' 200'
SCALE: 1"=100'

GENERAL ELECTRIC
PITTSFIELD, MASSACHUSETTS

LYMAN ST PARKING LOT/ USEPA AREA 5A

PESTICIDE/HERBICIDE GROUND-WATER ANALYTICAL RESULTS

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 5-6

20114040/20114811.DWG 6/25/96 54-DMW DJ-B.PCP

4

B-2 (Lot 1) 8/19/86	
Chloroform	0.01 J
Tetrachloroethene	0.024
1,1,1-Trichloroethane	0.01 J

B-3 (Lot 1) 8/19/86	
Chloroform	0.01 J
Tetrachloroethene	0.027
1,1,1-Trichloroethane	0.01 J

B-2 (LOT 2) 11/86	
1,1,1-Trichloroethane	0.0023
Tetrachloroethene	0.023

B-5 (LOT 2) 11/86	
1,1,1-Trichloroethane	0.0022
Tetrachloroethene	0.016
Toluene	0.0027

E-1 4/91	
Methylene Chloride	0.004 BJ

E-3 11/30/95	
1,2-Dichloroethene	0.001 J

E-4 12/01/95	
1,2-Dichloroethene	0.004 J

LS-2		
Date:	8/89	10/90
Benzene	0.34	0.27 J
Chlorobenzene	2.5	14
Ethylbenzene	ND	0.89 J
Methylene Chloride	ND	0.31 J
Toluene	0.057 J	ND
Xylene	ND	7.8

LS-4		
Date:	8/89	10/90
Benzene	ND	0.081
Carbon Disulfide	ND	0.031 J
Carbon Tetrachloride	4.0	1.9
Chlorobenzene	0.67	0.88
Chloroform	0.17 J	0.18
Ethylbenzene	ND	0.11
Methylene Chloride	ND	0.014 J
Toluene	0.11 J	ND
Trichloroethene	0.49 J	0.33
Xylene	ND	1.8

LS-10			
Date:	10/90	10/20/94	11/30/95
Tetrachloroethene	0.018	0.015	0.014
1,1,1-Trichloroethane	0.004J	0.003 J	0.001J

LS-11			
Date:	10/90	10/20/94	11/29/95
Acetone	ND	ND	0.13 B
Benzene	0.082	0.016	0.038J
Chlorobenzene	2.6 D	0.33 D	1.5
Ethylbenzene	0.078	0.005	ND
Toluene	0.003J	ND	ND
Trichloroethene	0.014	ND	0.012J
Xylene	0.12	0.008	ND

LS-12			
Date:	10/90	10/20/94	11/29/95
Carbon Tetrachloride	0.15	0.07	0.077
Chlorobenzene	0.035	0.005	0.014
Chloroform	0.038	0.037	0.057
Ethylbenzene	NA	0.002 J	NA
Tetrachloroethene	0.01	0.006	0.005
Trichloroethene	0.32	0.093	0.20 E
Xylene	0.054	0.045	0.02

LS-13 10/90	
Benzene	0.03
Chlorobenzene	0.4
Ethylbenzene	0.036
Tetrachloroethene	0.005 J
Xylene	0.26

LS-20		
Date:	10/20/94	11/29/95
Benzene	0.19	0.094
Chlorobenzene	0.11	0.076
Ethylbenzene	0.11	0.08
Toluene	0.002 J	ND
Xylene	0.057	0.037

LS-22 10/20/94	
Acetone	0.006 J

LS-24 10/20/94	
1,1,1-Trichloroethane	0.002 J
Tetrachloroethene	0.005 J

LS-25 10/20/94	
Chlorobenzene	0.001 J

LS-28 11/28/95	
1,1,1-Trichloroethane	0.0020 J
Tetrachloroethene	0.023

LS-29 11/30/95	
Tetrachloroethene	0.0030 J

LS-32 10/20/94	
Vinyl chloride	0.27 D [0.24 D]
1,1-Dichloroethene	0.001 J [0.001 J]
1,2-Dichloroethene	0.55 D [0.52 D]
Chloroform	0.029 [0.013]
Carbon Tetrachloride	0.004 J [0.002 J]
Trichloroethene	0.035 [0.025]
Benzene	0.2 [0.19 D]
Toluene	0.074 [0.08]
Chlorobenzene	2.5 D [2.7 D]
Ethylbenzene	0.14 [0.15]
Xylene	0.94 D [1.0 D]
trans-1,2-Dichloroethene	0.002 J [0.002 J]

LS-33 10/20/94	
Benzene	1.5
Toluene	0.014 J
Chlorobenzene	6.5 D
Ethylbenzene	0.13
Xylene	0.64

LS-34 11/28/95	
Chloroform	0.056
Carbon Tetrachloride	0.42
Trichloroethene	0.54
Tetrachloroethene	0.019 J
Xylene	0.066

LS-36 11/29/95	
Benzene	0.0010 J
Bromoform	0.0010 J
1,2-Dichloroethene	0.0020 J
1,1-Dichloroethane	0.0010 J
Trichloroethene	0.0030 J
Tetrachloroethene	0.0020 J
Vinyl Chloride	0.0010 J

LS-37 11/28/95	
Acetone	0.0020 BJ [ND]
Benzene	0.019 [0.018]
Chlorobenzene	0.001 J [0.0002 J]

WP-6 11/88	
Benzene	0.36
Chlorobenzene	2.4
Ethylbenzene	0.01

LEGEND

EDGE OF WATER

EDGE OF PAVEMENT

FENCE LINE

VEGETATION

B-3(W) MONITORING WELL LOCATION

RW-1 PUMPING WELL LOCATION

P-7 WELL POINT LOCATION

B-4 SOIL BORING LOCATION AND DESIGNATION

LS-19 SURFACE SOIL SAMPLE LOCATION

E-4 12/01/95	
1,2-Dichloroethene	0.004 J

SAMPLE LOCATION AND DATE
CONSTITUENT AND DETECTED CONCENTRATION IN PARTS PER MILLION (ppm)

NOTES:

1. ALL BORING AND MONITORING WELL LOCATIONS ARE APPROXIMATE.
2. ONLY DETECTED ANALYTES ARE SHOWN.
3. BRACKETS INDICATE DUPLICATE SAMPLE.
4. J = ESTIMATED VALUE LESS THAN THE CLP-REQUIRED QUANTITATION LIMITS.
5. ND = NOT DETECTED.
6. B = COMPOUND ALSO FOUND IN ASSOCIATED BLANK SAMPLE.
7. E = COMPOUND EXCEEDED CALIBRATION RANGE.

0 100' 200'

SCALE: 1"=100'

GENERAL ELECTRIC
PITTSFIELD, MASSACHUSETTS
LYMAN ST PARKING LOT/ USEPA AREA 5A

VOC GROUND-WATER ANALYTICAL RESULTS

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 5-7

20114040/20114813.DWG 6/25/96 54-DMW RCB DJ-8.PCP

E-1		
Date:	4-91	12/01/95
Phenol	0.001J	0.009J
Phenols (Total)	0.013	NA
Phenanthrene	0.002 J	ND

E-4 12/01/95	
bis (2-ethylhexyl)phthalate	0.001 J

LS-2		
Date:	8/89	10/90
Acenaphthene	1.2 D	0.014
Acenaphthylene	0.075	0.003 J
Acetophenone	ND	0.003 J
Anthracene	0.3	0.003 J
Benzo(a)anthracene	0.28	ND
Benzo(b)fluoranthene	0.14	ND
Benzo(a)pyrene	0.11	ND
Benzyl alcohol	ND	0.004 J
Benzyl butyl phthalate	0.48	ND
Bis(2-ethylhexyl)phthalate	0.021 J	ND
Chrysene	0.12	ND
1,2-Dichlorobenzene	0.047	0.011
1,3-Dichlorobenzene	0.24	0.11
1,4-Dichlorobenzene	1.5 D	0.42 D
Fluoranthene	0.19	0.003 J
Fluorene	0.64	0.011
2-Methylnaphthalene	ND	0.04
4-Methylphenol	ND	0.004 J
Naphthalene	2.4 D	0.16
Phenathrene	2.3 D	0.015
Phenol	ND	0.003 J
Pyrene	0.82 D	0.005 J
1,2,4-Trichlorobenzene	0.58	0.059

LS-4		
Date:	8/89	10/90
Acenaphthene	0.085	0.016
Acenaphthylene	0.16	0.025
Anthracene	0.27	0.017
Benzo(a)anthracene	0.25	0.009 J
Benzo(a)pyrene	0.11	0.008 J
Benzo(b)fluoranthene	0.11	0.004 J
Benzo(k)fluoranthene	0.11	0.006 J
Benzo(g,h,i)perylene	0.085	0.004 J
Chrysene	0.16	0.009 J
Dibenzofuran	ND	0.006 J
1,2-Dichlorobenzene	0.009 J	0.005 J
1,3-Dichlorobenzene	0.013 J	0.008 J
1,4-Dichlorobenzene	0.093	0.064
2,4-Dinitrotoluene	0.022 J	ND
Fluoranthene	0.42	0.018
Fluorene	0.36	0.053
Indeno(1,2,3-cd)pyrene	0.062	0.003 J
Naphthalene	9.5 D	4.4 D
3-Nitroaniline	ND	0.002 J
2-Methylnaphthalene	ND	0.63D
Phenathrene	1.3 D	0.094
Pyrene	0.63	0.037
1,2,4-Trichlorobenzene	0.51	0.1

LS-10 11/30/95	
bis (2-ethylhexyl)phthalate	0.008 J

LS-11			
Date:	10/90	10/20/94	11/29/95
bis (2-ethylhexyl)phthalate	ND	ND	0.002 J
Benzyl Alcohol	ND	0.024	ND
Benzoic Acid	ND	0.042 J	ND
2-Chlorophenol	ND	ND	0.011
1,2-Dichlorobenzene	0.004J	ND	ND
1,3-Dichlorobenzene	0.014	ND	0.003 J
1,4-Dichlorobenzene	0.025	0.005 J	0.013
2-Methylnaphthalene	0.013	0.002 J	ND
2-Methylphenol	ND	0.002 J	ND
Naphthalene	0.25	0.002 J	0.002 J
Phenanthrene	0.003J	ND	ND
Phenol	ND	ND	0.002 J
Pyrene	ND	ND	0.001 J
1,2,4-Trichlorobenzene	0.004J	ND	ND

LS-12			
Date:	10/90	10/20/94	11/29/95
1,2-Dichlorobenzene	0.002J	0.032 J	NA
1,4-Dichlorobenzene	0.006J	0.036 J	NA
Phenol	0.003J	0.024 J	0.042 J
1,2,4,5-Tetrachlorobenzene	NA	0.026 J	0.077 J
1,2,4-Trichlorobenzene	0.26	1.2	1.0

LS-13 10/90	
Acenaphthene	0.032
Acenaphthylene	0.005 J
Anthracene	0.015 J
Benzo(a)anthracene	0.01 J
Benzo(a)pyrene	0.007 J
Benzo(b)fluoranthene	0.004 J
Benzo(k)fluoranthene	0.005 J
Chrysene	0.01 J
1,3-Dichlorobenzene	0.035
1,4-Dichlorobenzene	0.053
Fluorene	0.022
Fluoranthene	0.02
2-Methylnaphthalene	0.059
Naphthalene	0.21
Phenanthrene	0.063
Pyrene	0.033

LS-20		
Date:	10/20/94	11/29/95
Acenaphthene	0.15	0.22
Acenaphthylene	0.003 J	0.005J
Anthracene	0.005 J	0.01 J
1,3-Dichlorobenzene	0.003 J	ND
1,4-Dichlorobenzene	0.011	0.006 J
Dibenzofuran	0.005 J	0.007J
Di-n-octylphthalate	0.004 J	ND
Fluoranthene	0.006 J	0.007J
Fluorene	0.057	0.066
2-Methylnaphthalene	0.02	0.031J
Naphthalene	0.13	0.33
p-Dichlorobenzene	ND	0.006J
Phenanthrene	0.059	0.082
Pyrene	0.008 J	0.009J

LS-22 10/20/94	
Acenaphthene	0.17
Acenaphthylene	0.003 J
Anthracene	0.004 J
1,3-Dichlorobenzene	0.004 J
1,4-Dichlorobenzene	0.013
Dibenzofuran	0.005 J
Fluoranthene	0.003 J
Fluorene	0.055
2-Methylnaphthalene	0.035
Naphthalene	0.42 D
Phenanthrene	0.05
Pyrene	0.005 J

LS-24		
Date:	10/20/94	11/29/95
bis (2-ethylhexyl)phthalate	0.004 J	ND
Di-n-octylphthalate	0.002 J	ND

LS-29 11/30/95	
bis (2-ethylhexyl)phthalate	0.001 J

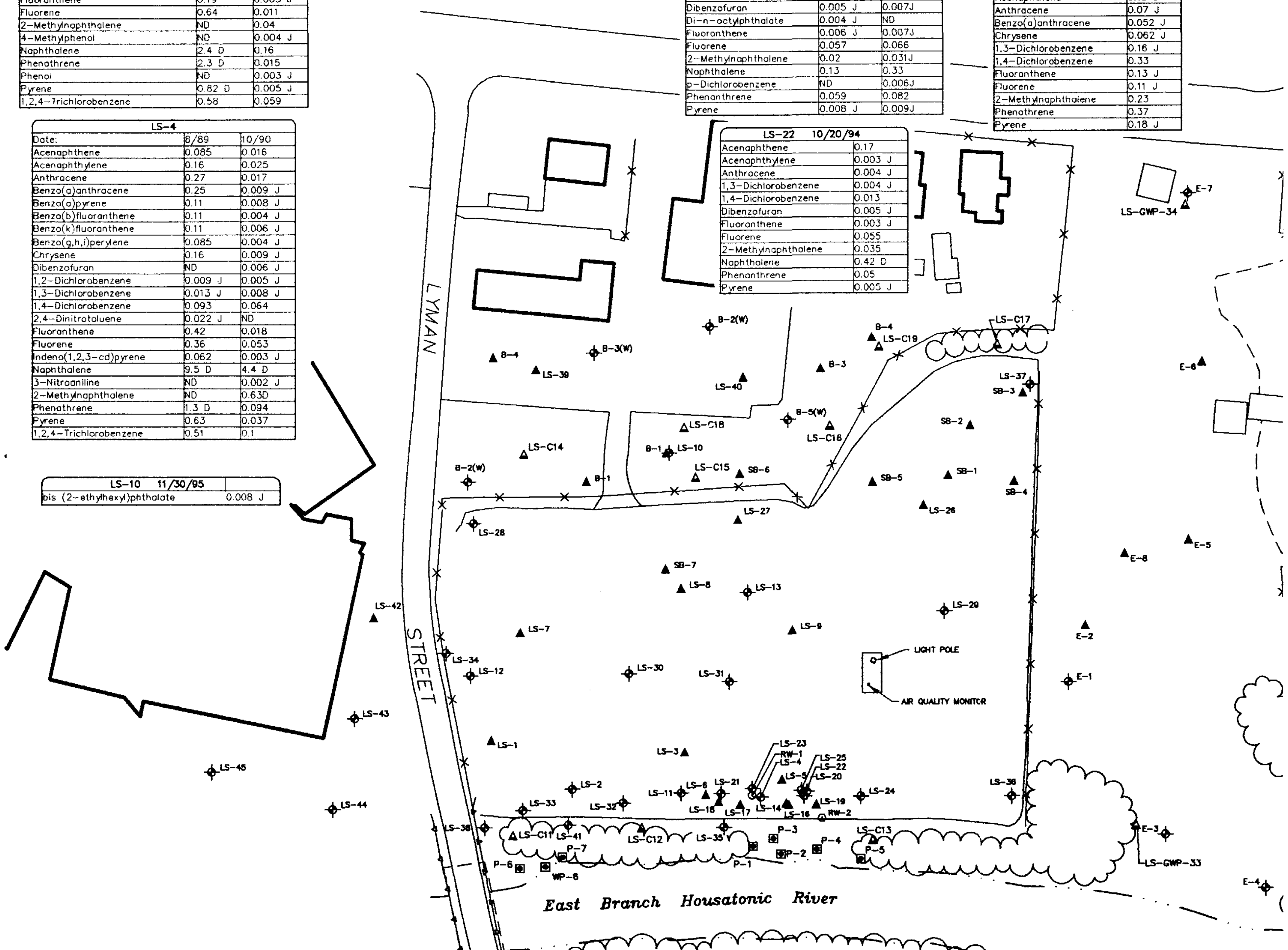
LS-32 10/20/94	
Acenaphthene	0.008 J [0.008 J]
Acetophenone	ND [0.002 J]
Benzoic Acid	0.021 J [ND]
1,2-Dichlorobenzene	0.017 [0.017]
1,3-Dichlorobenzene	0.029 [0.029]
1,4-Dichlorobenzene	0.19 D [0.19 D]
Fluorene	0.004 J [0.004 J]
Naphthalene	0.15 [0.15]
2-Methylnaphthalene	0.033 [0.033]
Phenol	0.006 J [0.007 J]
2-Chlorophenol	0.005 J [0.005 J]
Phenanthrene	0.002 J [0.002 J]
1,2,4-Trichlorobenzene	0.008 J [0.008 J]

LS-33 10/20/94	
Acenaphthene	0.15 J
Anthracene	0.07 J
Benzo(a)anthracene	0.052 J
Chrysene	0.062 J
1,3-Dichlorobenzene	0.16 J
1,4-Dichlorobenzene	0.33
Fluoranthene	0.13 J
Fluorene	0.11 J
2-Methylnaphthalene	0.23
Phenothrene	0.37
Pyrene	0.18 J

LS-34 12/28/95	
1,2,4-Trichlorobenzene	1.2
1,4-Dichlorobenzene	0.020 J
1,2,4,5-Tetrachlorobenzene	0.043 J

LS-37 11/28/95	
Naphthalene	0.001 J [0.002 J]
1,2,4-Trichlorobenzene	ND [0.001 J]

WP-6 11/88	
Acenaphthene	0.032
1,3-Dichlorobenzene	0.013
1,4-Dichlorobenzene	0.026
Fluorene	0.012
Naphthalene	0.011
Phenanthrene	0.017
Phenols (Total)	0.04



LEGEND

EDGE OF WATER

EDGE OF PAVEMENT

FENCE LINE

VEGETATION

B-3(W) MONITORING WELL LOCATION

RW-1 PUMPING WELL LOCATION

P-7 WELL POINT LOCATION

B-4 SOIL BORING LOCATION AND DESIGNATION

LS-19 SURFACE SOIL SAMPLE LOCATION

E-4 12/01/95	
bis (2-ethylhexyl)phthalate	0.001 J

SAMPLE LOCATION AND DATE
CONSTITUENT AND DETECTED CONCENTRATION IN PARTS PER MILLION (ppm)

NOTES:

1. ALL BORING AND MONITORING WELL LOCATIONS ARE APPROXIMATE.
2. ONLY DETECTED ANALYTES ARE SHOWN.
3. BRACKETS INDICATE DUPLICATE SAMPLE.
4. J = ESTIMATED VALUE LESS THAN THE CLP-REQUIRED QUANTITATION LIMITS.
5. D = ANALYSIS PERFORMED AT A SECONDARY DILUTION FACTOR.
6. ND = NOT DETECTED.
7. NA = NOT ANALYZED.

0 100' 200'
SCALE: 1"=100'

GENERAL ELECTRIC
PITTSFIELD, MASSACHUSETTS

LYMAN ST PARKING LOT/ USEPA AREA 5A

SVOC GROUND-WATER ANALYTICAL RESULTS

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 5-8

20114040/20114812.DWG 6/25/96 54-DMW DJ-8.PCP

6

LS-2 10/90	
Total HxCDD	0.0000033
Total TCDF	0.000031
Total PeCDF	0.000138
Total HxCDF	0.000503 E

LS-4 10/90	
Total TCDF	0.00141 (I)
Total PeCDF	0.00167 (I)
Total HxCDF	0.00271 (I)

LS-10 11/30/95	
Total TCDFs	0.0000000064
2,3,7,8-TCDF	0.0000000048 J**
Total PeCDFs	0.000000033
Total HxCDFs	0.000000055
1,2,3,4,7,8-HxCDF	0.000000028 J**
Total OCDD	0.000000054 J**

LS-11 11/29/95	
Total TCDFs	0.00000088
2,3,7,8-TCDF	0.00000008
Total PeCDFs	0.00000058
2,3,4,7,8-PeCDF	0.000000041 J**
Total HxCDFs	0.00000053
1,2,3,4,7,8-HxCDF	0.00000016
1,2,3,6,7,8-HxCDF	0.000000084
2,3,4,6,7,8-HxCDF	0.000000053
Total HpCDFs	0.00000027
1,2,3,4,6,7,8-HpCDF	0.00000011
1,2,3,4,7,8,9-HpCDF	0.000000068
Total OCDF	0.00000016
Total TCDDs	0.0000000093
Total HpCDDs	0.000000097
1,2,3,4,6,7,8-HpCDD	0.000000036 J**
Total OCDD	0.00000035

LS-12 11/29/95	
Total TCDFs	0.000021
2,3,7,8-TCDF	0.0000034
Total PeCDFs	0.000051
1,2,3,7,8-PeCDF	0.0000019
2,3,4,7,8-PeCDF	0.000006
Total HxCDFs	0.000097
1,2,3,4,7,8-HxCDF	0.000032
1,2,3,6,7,8-HxCDF	0.000018
2,3,4,6,7,8-HxCDF	0.0000091
Total HpCDFs	0.000047
1,2,3,4,6,7,8-HpCDF	0.000016
1,2,3,4,7,8,9-HpCDF	0.000016
Total OCDF	0.000025
Total TCDDs	0.0000018
Total HpCDDs	0.0000078
1,2,3,4,6,7,8-HpCDD	0.0000046
Total OCDD	0.000036

LS-20 11/29/95	
Total TCDFs	0.00000015
2,3,7,8-TCDF	0.000000012 J**
Total PeCDFs	0.00000015
Total HxCDFs	0.00000033
1,2,3,4,7,8-HxCDF	0.00000011
1,2,3,6,7,8-HxCDF	0.00000006
2,3,4,6,7,8-HxCDF	0.000000034 J**
Total HpCDFs	0.00000028
1,2,3,4,6,7,8-HpCDF	0.00000011
1,2,3,4,7,8,9-HpCDF	0.000000067
Total OCDF	0.00000022
Total TCDDs	0.0000000061
Total HpCDDs	0.000000085
1,2,3,4,6,7,8-HpCDD	0.000000047 J**
Total OCDD	0.00000074

LS-24 11/29/95	
Total OCDD	0.000000084 J**

LS-28 11/28/95	
Total TCDFs	0.0000000061
Total OCDD	0.00000013

LS-34 11/28/95	
Total TCDFs	0.000017
2,3,7,8-TCDF	0.00000055
Total PeCDFs	0.000043
1,2,3,7,8-PeCDF	0.0000018
2,3,4,7,8-PeCDF	0.0000051
Total HxCDFs	0.000087
1,2,3,4,7,8-HxCDF	0.000030 E
1,2,3,6,7,8-HxCDF	0.000014 E
1,2,3,7,8,9-HxCDF	0.000009
2,3,4,6,7,8-HxCDF	0.000008
Total HpCDFs	0.000069
1,2,3,4,6,7,8-HpCDF	0.000020 E
1,2,3,4,7,8,9-HpCDF	0.000020 E
Total OCDF	0.000060 E
Total TCDDs	0.0000015 B
2,3,7,8-TCDD	0.000000026
Total PeCDDs	0.00000073
1,2,3,7,8-PeCDD	0.00000025
Total HxCDDs	0.0000056
1,2,3,4,7,8-HxCDD	0.00000083
1,2,3,6,7,8-HxCDD	0.00000051
1,2,3,7,8,9-HxCDD	0.00000064
Total HpCDDs	0.000025
1,2,3,4,6,7,8-HpCDD	0.000015 E
Total OCDD	0.000140 E

LS-37 11/28/95	
Total TCDFs	0.000000015 [ND]
Total OCDD	0.00000040 [0.00000036]

LEGEND

- EDGE OF WATER
- EDGE OF PAVEMENT
- FENCE LINE
- VEGETATION
- B-3(W) MONITORING WELL LOCATION
- RW-1 PUMPING WELL LOCATION
- P-7 WELL POINT LOCATION
- B-4 SOIL BORING LOCATION AND DESIGNATION
- LS-19 SURFACE SOIL SAMPLE LOCATION

LS-24 11/29/95	
Total OCDD	0.000000084 J**

SAMPLE LOCATION AND DATE
CONSTITUENT AND DETECTED CONCENTRATION IN PARTS PER MILLION (ppm)

NOTES:

1. ALL BORING AND MONITORING WELL LOCATIONS ARE APPROXIMATE.
2. ONLY DETECTED ANALYTES ARE SHOWN.
3. BRACKETS INDICATE DUPLICATE SAMPLE.
4. J** = ESTIMATED VALUE BELOW THE LOWER CALIBRATION LIMIT BUT ABOVE THE TARGET DETECTION LIMIT.
5. (I) = POSSIBLE INTERFERENCES NOTED BY LABORATORY.
6. ND = NOT DETECTED.
7. B = COMPOUND ALSO FOUND IN ASSOCIATED BLANK SAMPLE.
8. E = COMPOUND EXCEEDED CALIBRATION RANGE.

0 100' 200'

SCALE: 1"=100'

GENERAL ELECTRIC
PITTSFIELD, MASSACHUSETTS
LYMAN ST PARKING LOT/ USEPA AREA 5A

DIOXIN/FURAN GROUND-WATER ANALYTICAL RESULTS

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 5-9

20114040/20114B10.DWG 8/25/96 54-DMW DJ-B.PCP

E-1		
Date: 12/01/95	Unfiltered	Filtered
Barium	0.04 J*	0.041 J*
Chromium	ND	0.0022 J*
Copper	0.0042 J*	0.016 J*
Lead	0.021	0.012 J*
Vanadium	0.002 J*	0.0022 J*
Zinc	0.0023 J*	0.026
Sulfide	1.2	NA

E-1	
Date: 12/91	Unfiltered
Aluminum	1.71
Barium	0.0293 J*
Calcium	98.1
Iron	0.0245 J*
Magnesium	0.182 J*
Manganese	0.0013 J*
Potassium	21.3
Sodium	14.7
Zinc	0.0093 J*

E-3		
Date: 11/30/95	Unfiltered	Filtered
Arsenic	0.0029 J*	ND
Barium	0.051 J*	0.031 J*
Chromium	0.0077 J*	ND
Cobalt	0.0041 J*	ND
Copper	0.0089 J*	0.003 J*
Lead	0.005	ND
Nickel	0.0092 J*	ND
Selenium	0.0044 J*	0.004 J*
Vanadium	0.0052 J*	ND
Zinc	0.032	0.022 J*
Sulfide	1.0	NA

E-4		
Date: 12/01/95	Unfiltered	Filtered
Arsenic	0.004 J*	ND
Barium	0.0699 J*	0.047 J*
Cadmium	0.004 J*	0.0024 J*
Chromium	0.0032 J*	ND
Cobalt	0.0041 J*	ND
Copper	0.0176 J*	0.0028 J*
Lead	0.0039	ND
Nickel	0.0093 J*	ND
Vanadium	0.003 J*	ND
Zinc	0.0458	0.0076 J*

E-7		
Date: 12/01/95	Unfiltered	Filtered
Arsenic	0.041	ND
Barium	0.321	0.0201 J*
Beryllium	0.0042 J*	ND
Cadmium	0.0042 J*	ND
Chromium	0.0893	ND
Cobalt	0.0955	ND
Copper	0.15	0.004 J*
Lead	0.0831	ND
Nickel	0.149	ND
Selenium	ND	0.0035 J*
Tin	0.231	ND
Vanadium	0.116	ND
Zinc	0.474	0.0038 J*
Sulfide	1.0	NA

LS-2	
Date: 10/90	Unfiltered
Barium	2.0
Beryllium	0.001
Chromium	0.03
Copper	0.1
Lead	0.35
Nickel	0.03
Vanadium	0.02
Zinc	0.19
Sulfide	3.0

LS-4	
Date: 10/90	Unfiltered
Barium	0.51
Beryllium	0.002
Chromium	0.01
Copper	0.15
Lead	0.12
Zinc	0.22
Sulfide	4.4

LS-10			
Date:	10/90	11/30/95	11/30/95
	Unfiltered	Unfiltered	Filtered
Arsenic	ND	0.0024 J*	ND
Barium	0.12	0.023 J*	0.0085 J*
Chromium	ND	0.0045 J*	ND
Cobalt	ND	0.0053 J*	ND
Copper	0.03	0.0185 J*	0.0045 J*
Lead	ND	0.0099	ND
Nickel	ND	0.0073 J*	ND
Vanadium	ND	0.0037 J*	ND
Zinc	0.21	0.0742	0.0093 J*

LS-11			
Date:	10/90	11/30/95	11/30/95
	Unfiltered	Unfiltered	Filtered
Arsenic	ND	0.0197	0.016
Barium	0.25	0.0994 J*	0.099 J*
Beryllium	ND	ND	0.00047 J*
Chromium	ND	0.0066 J*	ND
Cobalt	ND	0.0041 J*	0.0038 J*
Copper	0.01	0.0192 J*	ND
Lead	ND	0.0072	ND
Nickel	ND	0.0045 J*	ND
Tin	ND	0.0657 J*	0.0955 J*
Vanadium	ND	0.004 J*	ND
Zinc	0.029	0.179	0.0819

LS-12			
Date:	10/90	11/29/95	11/29/95
	Unfiltered	Unfiltered	Filtered
Aluminum	0.544	ND	ND
Arsenic	ND	0.0046 J*	ND
Barium	0.0283 J*	0.235	0.185 J*
Calcium	66.6	ND	ND
Chromium	ND	0.0051 J*	ND
Copper	0.0165 J*	0.0061 J*	ND
Iron	1.33	ND	ND
Lead	ND	0.0039	ND
Magnesium	23.1	ND	ND
Manganese	1.16	ND	ND
Nickel	ND	0.0029 J*	ND
Potassium	1.13 J*	ND	ND
Sodium	84.5	ND	ND
Vanadium	ND	0.005 J*	ND
Zinc	0.0399	0.0716	0.0262

LS-13	
Date: 10/90	Unfiltered
Aluminum	2.79
Arsenic	0.0028 J*
Barium	0.33
Calcium	189
Cobalt	0.021 J*
Copper	0.0273
Iron	10.5
Lead	0.0061
Magnesium	60.3
Manganese	1.8
Mercury	0.00023
Nickel	0.0354 J*
Potassium	1.92 J*
Silver	0.0056 J*
Sodium	27.2
Zinc	0.298

LS-20		
Date: 11/29/95	Unfiltered	Filtered
Arsenic	0.0095 J*	0.0033 J*
Barium	0.0575 J*	0.0398 J*
Chromium	0.0147	ND
Cobalt	0.0064 J*	ND
Copper	0.0229 J*	ND
Lead	0.0143	ND
Nickel	0.012 J*	ND
Vanadium	0.0059 J*	ND
Zinc	0.0766	0.0042 J*
Sulfide	1.9	NA

LS-24		
Date: 11/29/95	Unfiltered	Filtered
Barium	0.0316 J*	0.0226 J*
Chromium	0.0183	ND
Nickel	0.0431	0.0192 J*
Zinc	0.0263	0.0114 J*

LS-25		
Date: 11/30/95	Unfiltered	Filtered
Barium	0.0056 J*	0.0049 J*
Nickel	0.0031 J*	ND
Vanadium	0.0019 J*	ND
Zinc	0.0185 J*	0.0088 J*

LS-28		
Date: 11/28/95	Unfiltered	Filtered
Arsenic	0.0235	ND
Barium	0.0962 J*	0.0081 J*
Beryllium	0.0013 J*	0.00049 J*
Chromium	0.0276	0.0022 J*
Cobalt	0.0387 J*	ND
Copper	0.112	0.004 J*
Lead	0.0498	ND
Nickel	0.0603	ND
Selenium	ND	0.0028 J*
Tin	0.0624 J*	ND
Vanadium	0.0261 J*	ND
Zinc	0.175	0.0235

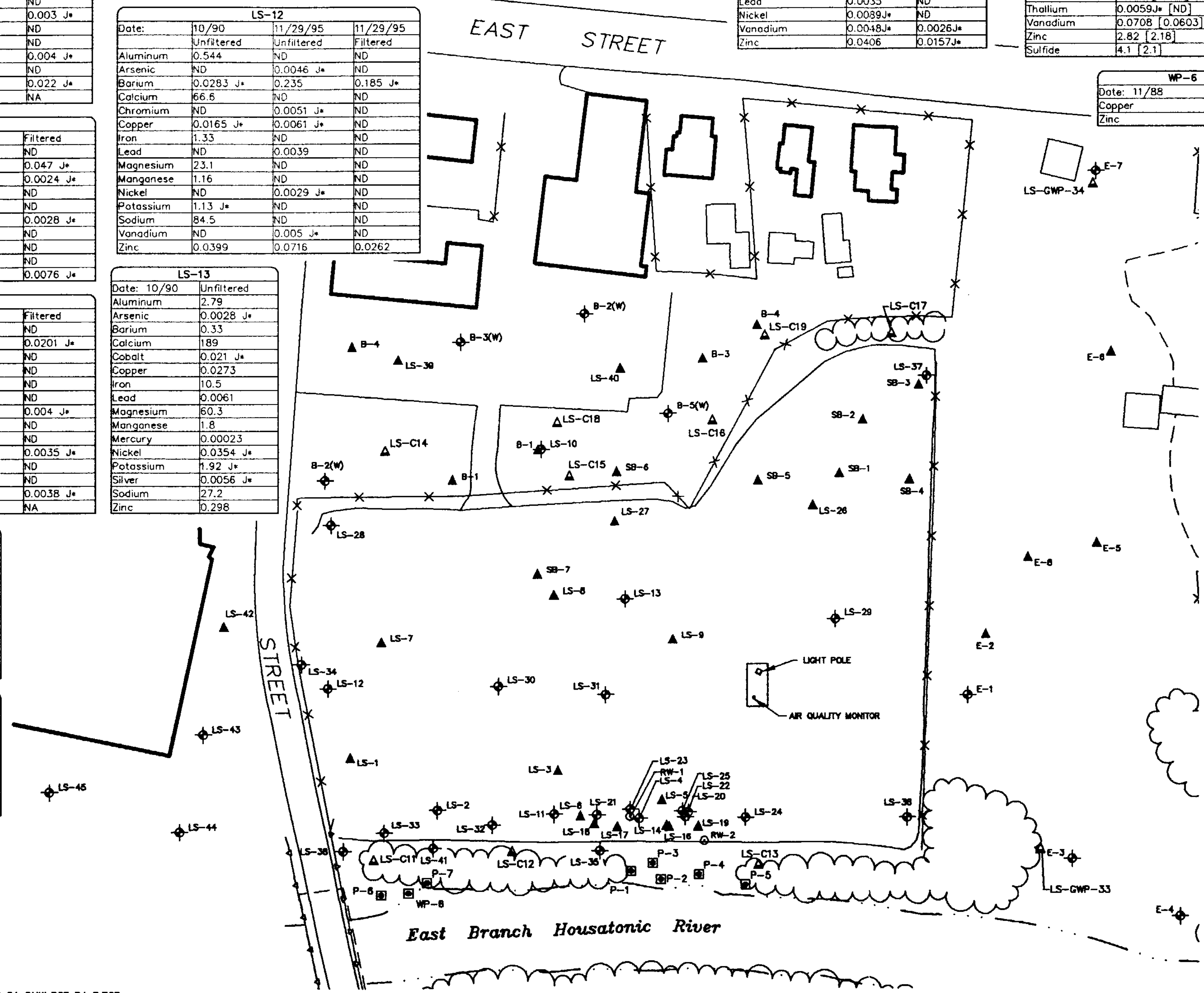
LS-29		
Date: 11/30/95	Unfiltered	Filtered
Barium	0.0091 J*	0.0079 J*
Zinc	0.0055 J*	0.004 J*

LS-34		
Date: 12/28/95	Unfiltered	Filtered
Arsenic	0.0052J*	ND
Barium	0.0271J*	0.0076J*
Chromium	0.0057J*	ND
Cobalt	0.0032J*	ND
Copper	0.0131J*	0.0024J*
Lead	0.0035	ND
Nickel	0.0089J*	ND
Vanadium	0.0048J*	0.0026J*
Zinc	0.0406	0.0157J*

LS-36		
Date: 11/29/95	Unfiltered	Filtered
Arsenic	0.0196	ND
Barium	0.105 J*	0.0415 J*
Beryllium	0.00073 J*	ND
Cadmium	0.0036 J*	ND
Chromium	0.0226	0.0018 J*
Cobalt	0.0188 J*	ND
Copper	0.0466	ND
Lead	0.0276	ND
Nickel	0.0302 J*	ND
Tin	0.0887 J*	ND
Thallium	0.0054 J*	ND
Vanadium	0.0196 J*	ND
Zinc	0.11	0.0034 J*

LS-37		
Date: 11/28/95	Unfiltered	Filtered
Arsenic	0.034 [0.0298]	ND [0.0030J*]
Barium	0.253 [0.208]	0.0525J* [0.0537J*]
Beryllium	0.00160J* [0.0013J*]	ND [ND]
Cadmium	0.0064 [0.0055]	ND [ND]
Chromium	0.078 [0.0668]	ND [0.008J*]
Cobalt	0.0234J* [0.0193J*]	ND [ND]
Copper	1.40 [1.08]	ND [0.0027J*]
Lead	0.914 [0.729]	ND [ND]
Nickel	0.211 [0.172]	0.0059J* [0.0097J*]
Tin	0.253 [0.213]	ND [ND]
Thallium	0.0059J* [ND]	ND [ND]
Vanadium	0.0708 [0.0603]	ND [ND]
Zinc	2.82 [2.18]	0.0098J* [0.0056J*]
Sulfide	4.1 [2.1]	NA [NA]

WP-6	
Date: 11/88	Unfiltered
Copper	0.01
Zinc	5.3



LEGEND

- EDGE OF WATER
- EDGE OF PAVEMENT
- FENCE LINE
- VEGETATION
- B-3(W) MONITORING WELL LOCATION
- RW-1 PUMPING WELL LOCATION
- P-7 WELL POINT LOCATION
- B-4 SOIL BORING LOCATION AND DESIGNATION
- LS-19 SURFACE SOIL SAMPLE LOCATION

LS-2	
Date: 10/90	Unfiltered
Barium	2

SAMPLE LOCATION AND DATE

CONSTITUENT AND DETECTED CONCENTRATION IN PARTS PER MILLION (ppm)

NOTES:

1. ALL BORING AND MONITORING WELL LOCATIONS ARE APPROXIMATE.
2. ONLY DETECTED ANALYTES ARE SHOWN.
3. BRACKETS INDICATE DUPLICATE SAMPLE.
4. J* = VALUE LESS THAN CONTRACT REQUIRED DETECTION LIMIT BUT GREATER THAN INSTRUMENT DETECTION LIMIT.
5. D = ANALYSIS PERFORMED AT A SECONDARY DILUTION FACTOR.
6. ND = NOT DETECTED.
7. NA = NOT ANALYZED.

0 100' 200'

SCALE: 1"=100'

GENERAL ELECTRIC
PITTSFIELD, MASSACHUSETTS
LYMAN ST PARKING LOT/ USEPA AREA 5A

INORGANICS GROUND-WATER ANALYTICAL RESULTS

BBL BLASLAND, BOUCK & LEE, INC. engineers & scientists

FIGURE 5-10

20114040/20114809.DWG 6/25/96 54-DMW RCB DJ-B.PCP

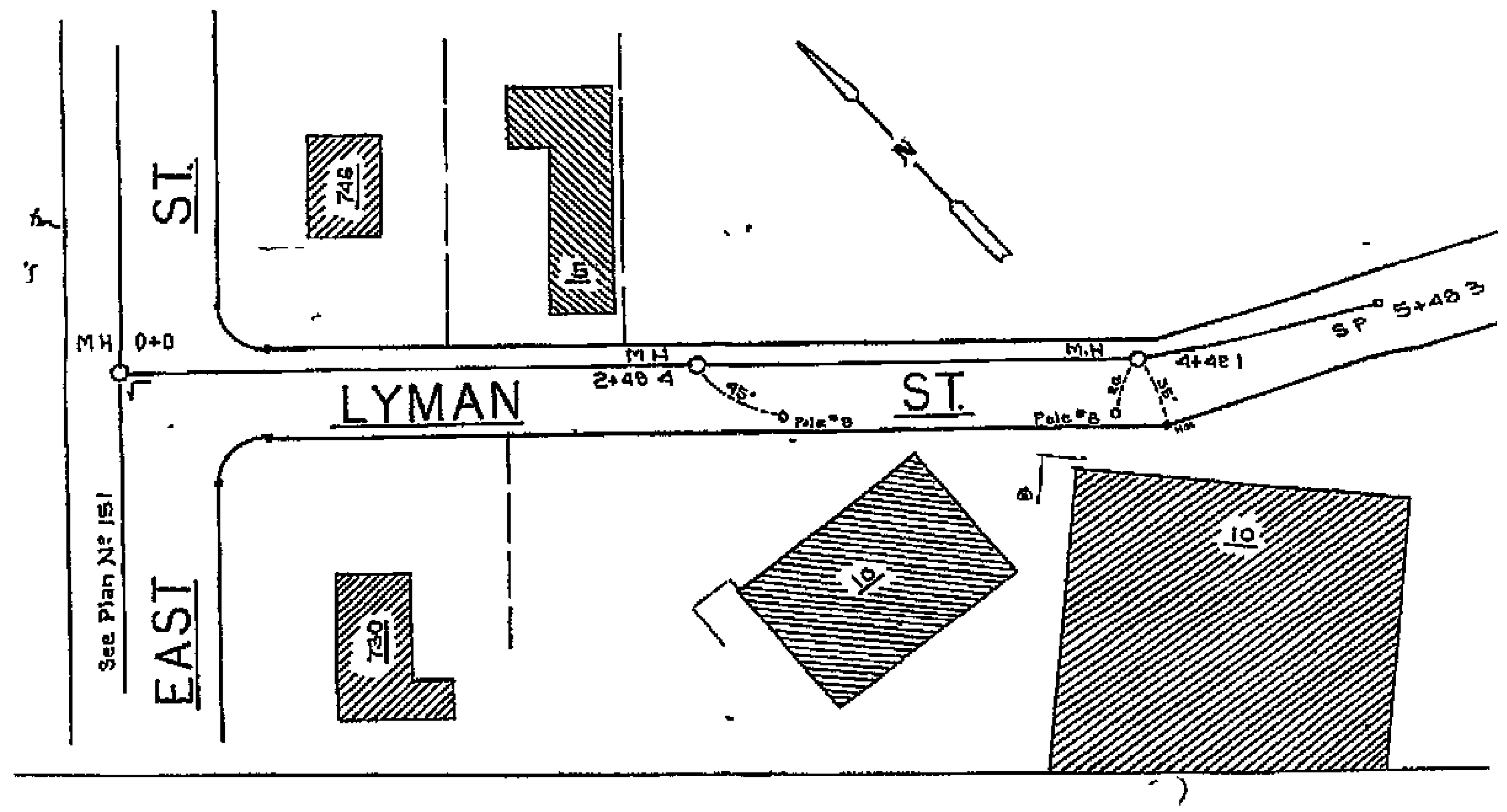
8

Appendices

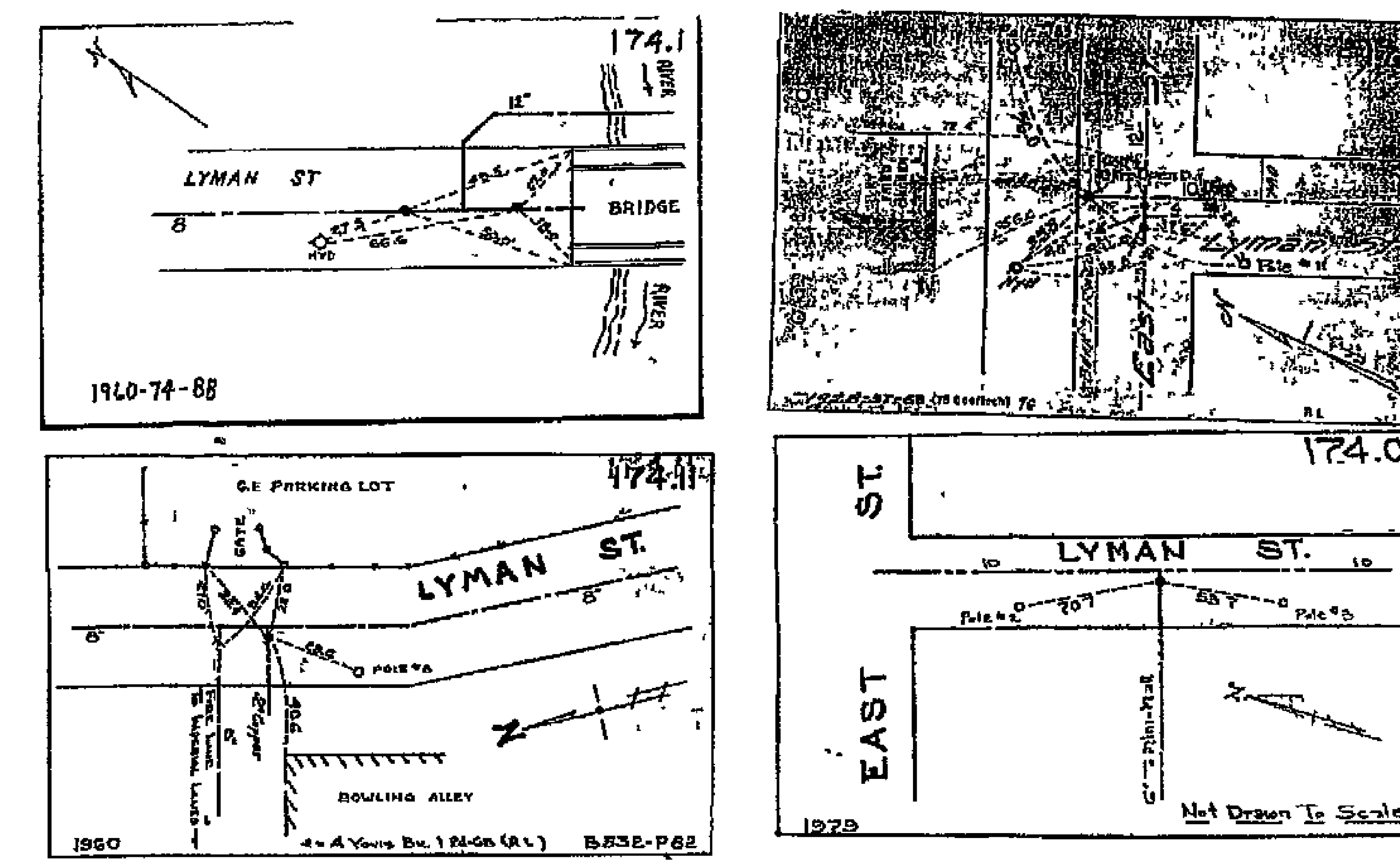
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

APPENDIX A

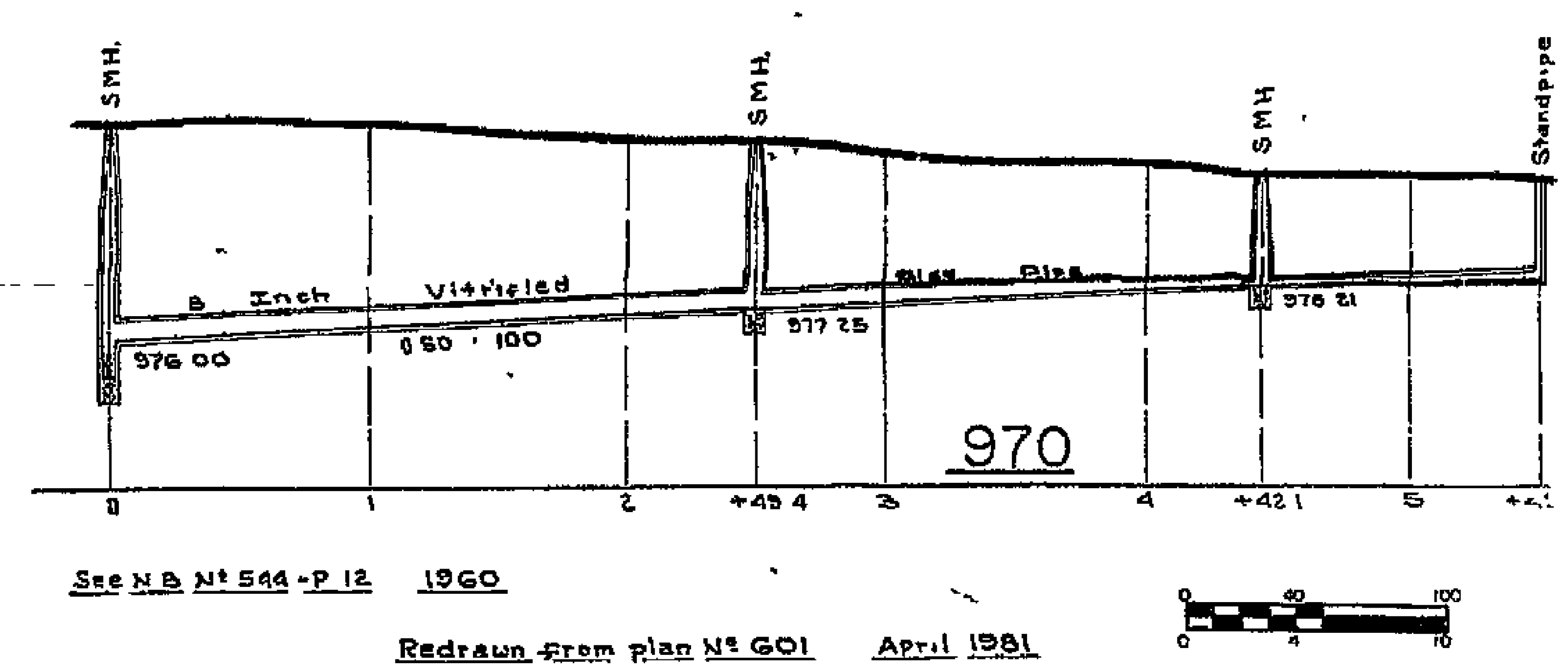
LYMAN STREET UTILITY MAPS



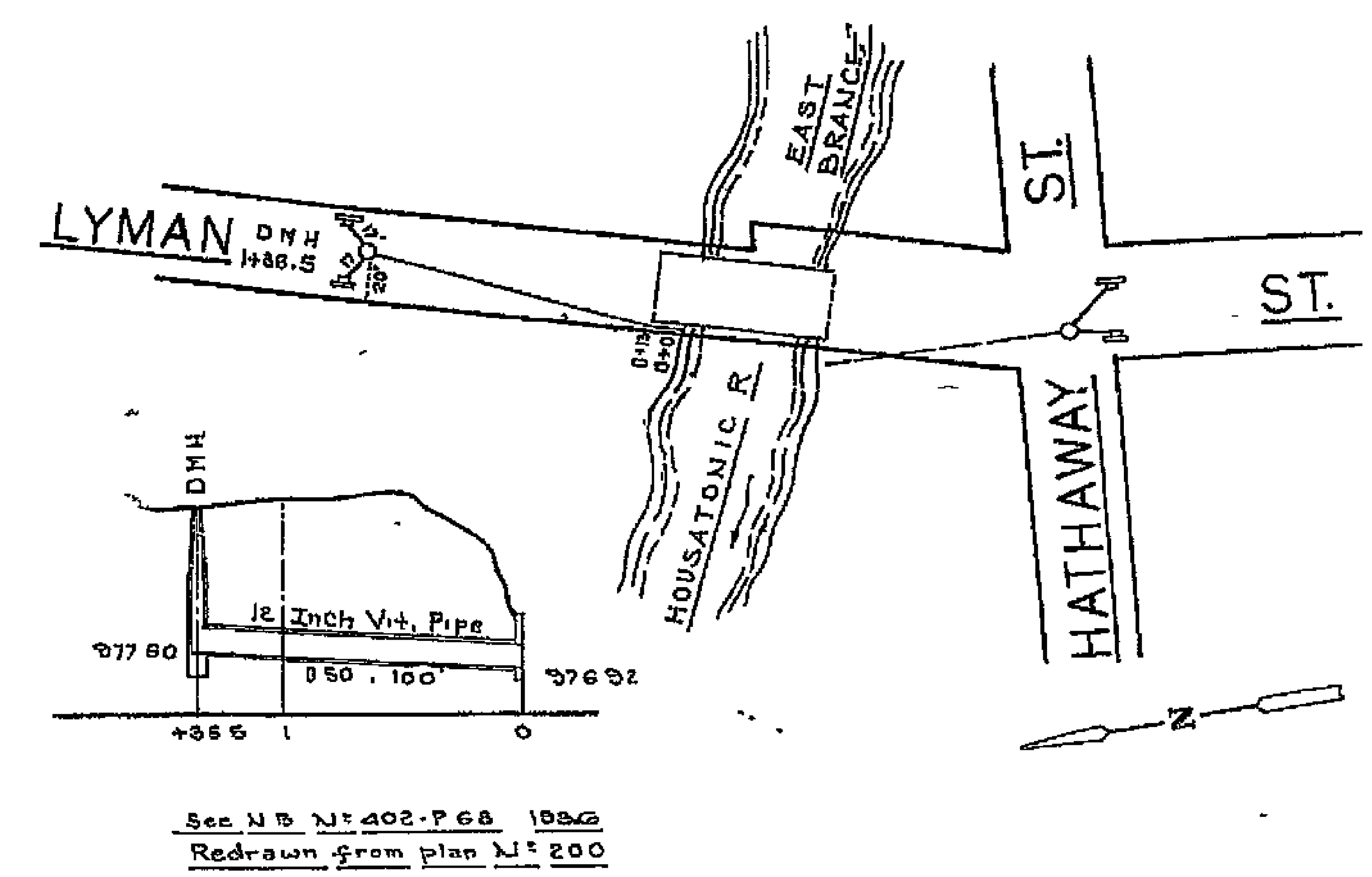
SANITARY SEWER UTILITY



CITY WATER UTILITY



SANITARY SEWER UTILITY



STORM SEWER UTILITY

Figure information based on mapping provided by the City of Pittsfield Engineer

06/96 SYR-D54-jvm
20114040/20114n01 cdr

APPENDIX A
MCP SUPPLEMENTAL PHASE II/RFI
REPORT FOR LYMAN STREET PARKING
LOT/OXBOW AREA E SITE

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS
JUNE 1996

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APPENDIX B

SOIL BORING AND WELL INSTALLATION LOGS

Date Start/Finish: 08/09/95 / 08/09/95
Drilling Company: Drillex Drilling Company
Driller's Name: Bryan Hayes
Drilling Method: Hollow Stem Auger
Bit Size: **Auger Size** : 4.25" ID
Rig Type: CME-75
Spoon Size: 2" OD-in.

Northing: 532769.626
Easting: 131292.523
Well Casing Elev.: 989.26 ft.
Corehole Depth:
Borehole Depth: 22 ft.
Ground Surface Elev.: 986.9 ft.

Geologist: Ronald D. Kuhn

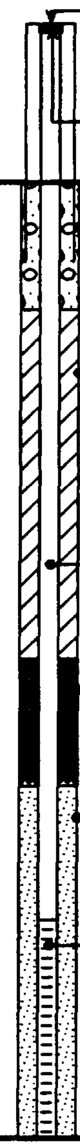
Well No. E-3

Client:
General Electric Company

Site:
Western Mass. Prop., Former Oxbow E
Pittsfield, Massachusetts

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description
gs elevation 986.9 ft.										**GROUND SURFACE**
		(0-2') 0E3B0002		5 7 16 17	23	1.8	15.6			Brown fine to medium SAND, little silt, trace fine gravel, trace natural organics, damp. Dark brown fine to medium SAND, trace silt and fine gravel, trace slag, damp.
	985	(2-4') 0E3B0204		15 7 6 6	13	0.8	25.1			Red fine to medium sand-sized fill and slag, damp.
5		(4-6') 0E3B0406		2 3 3 3	6	0.6	6.1			
	980	(6-8') 0E3B0608		2 3 4 2	7	1.2	0.1			Red fine to medium sand-sized fill, trace slag, damp.
		(8-10') 0E3B0810		8 8 9 9	17	NR	NR			**Fill/Native Boundary 10.0' bgs.**
10		(10-12') 0E3B1012		4 4 4 4	8	2.0	0.1			Brown fine SAND, damp.
	975	(12-14') 0E3B1214		2 2 2 2	4	1.6	0.1			Brown fine SAND, little silt, trace natural organics, moist to wet.
15		(14-16') 0E3B1416		2 2	5	1.6	0.5			

Well Construction



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Remarks:

Submitted sample 0E3B0002 for Appendix IX+3 analyses. All other samples submitted for PCB analyses.

Water Levels

Date / Time	Elevation	Depth
9/6/95	970.92	15.98
9/11/95	970.91	15.99

Project: 201.14.011 Script: GEPITT W Date: 05/02/96

Site:
Western Mass. Prop., Former Oxbow E
Pittsfield, Massachusetts

Client:
General Electric Company

Well No. E-3

Total Depth = 22 ft.

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description	Well Construction
		(14-16') 0E3B1416		3 4	5	1.6	0.5			Brown fine to coarse SAND, trace to little fine gravel, saturated.	2-in diameter, 0.010-in slotted schedule 40 PVC well screen 11.6' to 21.6' bgs
	970	(16-18') 0E3B1618		5 5 5 7	10	2.0	0.0			Brown fine to coarse SAND, some fine to medium gravel, saturated.	
		(18-20') 0E3B1820		4 8 7 7	15	NR	0.5				Holliston #2 Silica sand pack 9.5' to 22.0' bgs
20		(20-22') 0E3B2022		8 8 10 10	18	1.8	0.0			Brown fine to medium SAND, trace fine gravel, saturated.	2-in diameter, schedule 40 PVC sump 21.6' bgs to 22.0' bgs.
	965									*Bottom of boring at 22.0' bgs.*	
25											
	960										
30											
	955										
35											

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engineers & scientists

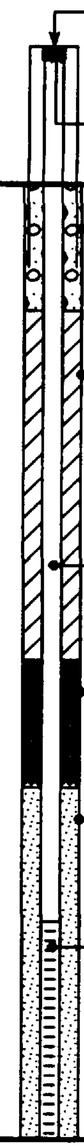
Remarks:
Total depth of well 22.0' bgs

Water Levels

Date / Time	Elevation	Depth
9/8/95	970.92	15.98
9/11/95	970.91	15.99

Date Start/Finish: 08/09/95 / 08/09/95 **Drilling Company:** Drilex Drilling Company **Driller's Name:** Bryan Hayes **Drilling Method:** Hollow Stem Auger **Bit Size:** **Auger Size** : 4.25" ID **Rig Type:** CME-75 **Spoon Size:** 2" OD-in.	**Northing:** 532781.858 **Easting:** 131381.895 **Well Casing Elev.:** 987.98 ft. **Corehole Depth:** **Borehole Depth:** 22 ft. **Ground Surface Elev.:** 986.0 ft. **Geologist:** Ronald D. Kuhn	**Well No.** E-4 **Client:** General Electric Company **Site:** Western Mass. Prop., Former Oxbow E Pittsfield, Massachusetts

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description	Well Construction
gs elevation 986.0 ft										**GROUND SURFACE**	Locking, 8-in diameter steel protective casing 2.17' ags Well cap
	985	(0-2') 0E4B0002		3 5 15 17	20	1.4	0.4			Brown fine SAND, trace coarse sand, little silt, trace natural organics, loose, damp. Brown fine to medium SAND and fill (slag, brick), trace fine gravel, damp.	Cement seal ground surface to 2.0' bgs
		(2-4') 0E4B0204		3 4 5 4	9	0.9	0.0			Red sand-sized fill (slag, brick).	Type 1 portland cement/5% bentonite grout 2.0' to 7.5' bgs
5		(4-6') 0E4B0406		4 3 3 3	6	0.9	0.0			Orange fine to medium SAND, trace fine gravel, trace slag, damp.	
	980	(6-8') 0E4B0608		2 3 10 11	13	0.8	0.0			Color change to dark brown.	2-inch schedule 40 PVC well casing 1.98' ags to 11.6' bgs
		(8-10') 0E4B0810		23 15 9 8	24	1.7	0.0			**Fill/Native Boundary 8.8' bgs.** Brown fine SAND, trace silt, trace natural organics, damp.	Bentonite seal 7.5' to 9.5' bgs
10	975	(10-12') 0E4B1012		3 5 6 7	11	1.4	0.0				Holliston #2 Silica sand pack 9.5' to 22.0' bgs
		(12-14') 0E4B1214		4 6 9 7	15	2.0	0.0				2-in diameter, 0.010-in slotted schedule 40 PVC well screen 11.6' to 21.6' bgs
15		(14-16') 0E4B1416		1 2	5	1.8	0.0			Becomes wet.	



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engineers & scientists

Remarks:
Submitted sample 0E4B0002 for Appendix IX+3 analyses. All other samples submitted for PCB analyses.

Water Levels		
Date / Time	Elevation	Depth
9/6/95	970.69	15.31
9/11/95	970.68	15.32

Project: 20114.011
Script: GEPITTW
Date: 05/02/96

Site:
Western Mass. Prop., Former Oxbow E
Pittsfield, Massachusetts

Client:
General Electric Company

Well No. E-4

Total Depth = 22 ft.

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description	Well Construction
	970	(14-16') 0E4B1416		3 5	5	1.8	0.0			@ 14.6', Dark gray fine to medium SAND, trace coarse sand and silt, saturated.	2-in diameter, 0.010-in slotted schedule 40 PVC well screen 11.6' to 21.6' bgs
		(16-18') 0E4B1618		4 6 7 7	13	2.0	0.0			Dark gray fine to coarse SAND, little fine to medium gravel, saturated.	
		(18-20') 0E4B1820		5 7 6 4	13	1.2	0.0			Dark gray fine to coarse SAND and fine to medium GRAVEL, trace silt, saturated.	Holliston #2 Silica sand pack 9.5' to 22.0' bgs
20	965	(20-22') 0E4B2022		7 9 10 13	19	1.4	0.0				
										Bottom of boring at 22.0' bgs.	2-in diameter, schedule 40 PVC sump 21.6' bgs to 22.0' bgs.
25	960										
30	955										
35											

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Remarks:
Total depth of well 22.0' bgs

Water Levels

Date / Time	Elevation	Depth
9/6/95	970.69	15.31
9/11/95	970.68	15.32

Project: 20114.011
Script: GEPITTW
Date: 05/02/96

6

Date Start/Finish: 08/10/95 - 08/10/95 **Drilling Company:** Drillex Drilling Company **Driller's Name:** Bryan Hayes **Drilling Method:** Hollow Stem Auger **Bit Size:** **Auger Size** : 4.25" ID **Rig Type:** CME-75 **Spoon Size:** 2" OD-in. **Hammer Weight:** 140-lb **Height of Fall:** 30-in.	**Northing:** 532966.360 **Easting:** 131171.206 **Borehole Depth:** 18.0 ft. **Ground Surface Elev.:** 988.0 ft. **Geologist:** Ronald D. Kuhn	**Boring No. E-5** **Client:** General Electric Company **Site:** Western Mass. Prop., Former Oxbow E Pittsfield, Massachusetts

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description	Boring Construction
gs elevation 988.0 ft.										**GROUND SURFACE**	
		(0-2') OE5B0002		6 9 10 5	19	1.2	0.3			Brown fine to medium SAND, little silt, trace natural organics, trace glass and slag, damp.	
	985	(2-4') OE5B0204		3 3 3 3	6	2.0	0.0			Gray fine SAND, damp. Dark brown fine SAND, damp. Dark brown fine to medium SAND, trace to little silt, trace fine gravel, trace slag, damp.	
5		(4-6') OE5B0406		3 3 7 9	10	1.3	1.0				Type 1 portland cement/5% bentonite grout 0' to 18.0' bgs
		(6-8') OE5B0608		7 7 3 5	10	1.6	1.6			Trace glass and wood.	
	980	(8-10') OE5B0810		18 9 10 9	19	1.6	0.1			Light brown fine SAND, trace wood, damp. Dark brown fine to medium SAND, trace fine gravel, damp.	
10		(10-12') OE5B1012		9 5 7 5	12	1.4	0.8			Brown fine to medium SAND, trace slag, damp. Wet at 10.0'. Dark brown to black fine to medium SAND, trace fine gravel, trace glass and slag, saturated.	
	975	(12-14') OE5B1214		13 7 5 2	12	1.2	0.2				
15		(14-16') OE5B1416		5 6	13	2.0	0.0			**Fill/Native Boundary 14.6' bgs.**	

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Remarks:

Submitted sample OE5B0608 for Appendix IX+3 analyses. All other samples submitted for PCB analyses.

Saturated Zones

Date / Time	Elevation	Depth

Project: 201.14.011 Script: GEPITT B Date: 05/02/96

Site:
Western Mass. Prop., Former Oxbow E
Pittsfield, Massachusetts

Client:
General Electric Company

Boring No. E-5
Total Depth = 18.0 ft.

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description	Boring Construction
		(14-16') OE5B1416		7 7	13	2.0	0.0			@ 14.6', Brown fine SAND and PEAT, some silt, moist.	Type 1 portland cement/5% bentonite grout 0' to 18.0' bgs
		(16-18') OE5B1618		1 1 2 2	2	1.6	0.0			Gray fine SAND and SILT, wet.	
	970									Bottom of boring at 18.0' bgs	
20											
	965										
25											
	960										
30											
	955										
35											

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Remarks:
Total depth of boring 20.0' bgs. Boring grouted to grade upon completion.

Saturated Zones

Date / Time	Elevation	Depth

Project: 20114.011
Script: GEPITT B
Date: 05/02/96

8

Date Start/Finish: 08/16/95 - 08/16/95 **Drilling Company:** Drilex Drilling Company **Driller's Name:** Bryan Hayes **Drilling Method:** Hollow Stem Auger **Bit Size: Auger Size:** 4.25" ID **Rig Type:** CME-75 **Spoon Size:** 2" OD-in. **Hammer Weight:** 140-lb **Height of Fall:** 30-in.	**Northing:** 533085.840 **Easting:** 131097.260 **Borehole Depth:** 10.0 ft. **Ground Surface Elev.:** 980.9 ft. **Geologist:** Ronald D. Kuhn	**Boring No. E-6** **Client:** General Electric Company **Site:** Western Mass. Prop., Former Oxbow E Pittsfield, Massachusetts

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description	Boring Construction
gs elevation 980.9 ft.										GROUND SURFACE	
	980	(0-2') 0E6B0002		5 6 15 18	21	0.2	0.4			Brown fine to medium SAND, little silt and natural organics, damp.	Type 1 portland cement/5% bentonite grout 0' to 10.0' bgs
		(2-4') 0E6B0204		5 15 12 12	27	1.6	0.0			Brown fine SAND, little silt, trace natural organics, damp.	
5	975	(4-6') 0E6B0406		10 15 20 22	35	1.8	0.0			Brown fine to coarse SAND, little to some fine gravel, trace silt, moist. Saturated at 6.0'.	
		(6-8') 0E6B0608		5 6 7 7	13	1.6	0.0				
10		(8-10') 0E6B0810		7 5 6 7	11	2.0	0.0				
	970									Bottom of boring at 10.0' bgs	
15											

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Remarks:
Submitted sample 0E6B0002 for Appendix IX+3 analyses. All other samples submitted for PCB analyses.

Saturated Zones

Date / Time	Elevation	Depth

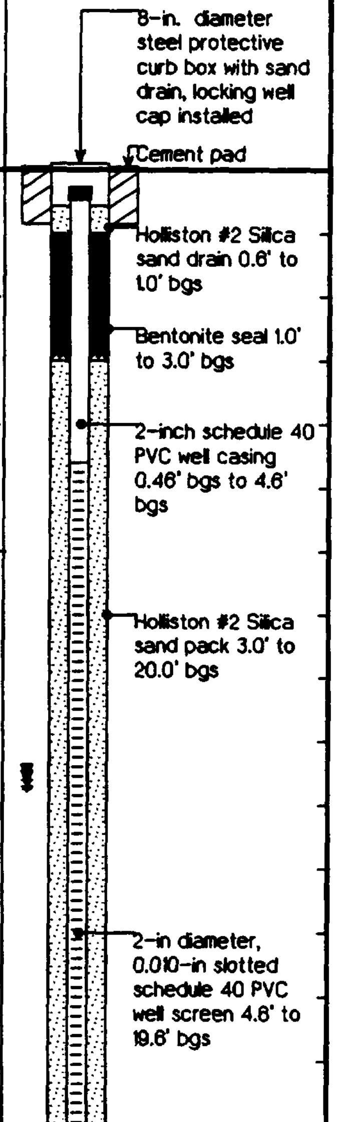
Project: 201.14.011 Script: GEPITTB Date: 05/02/96

49

Date Start/Finish: 08/07/95 / 08/07/95 **Drilling Company:** Drilex Drilling Company **Driller's Name:** Bryan Hayes **Drilling Method:** Hollow Stem Auger **Bit Size:** **Auger Size** : 4.25" ID **Rig Type:** CME-75 **Spoon Size:** 2" OD-in.	**Northing:** 533185.215 **Easting:** 131010.846 **Well Casing Elev.:** 982.87 ft. **Corehole Depth:** **Borehole Depth:** 20 ft. **Ground Surface Elev.:** 983.3 ft. **Geologist:** Ronald D. Kuhn	**Well No.** E-7 **Client:** General Electric Company **Site:** Western Mass. Prop., Former Oxbow E Pittsfield, Massachusetts

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description
gs elevation 983.3 ft										**GROUND SURFACE**
		(0-2') 0E7B0002		2 4 6 7	10	1.0	0.1			Dark brown fine to medium SAND, little silt, trace natural organics, damp. Gray fine to medium SAND, trace fine gravel, damp.
	980	(2-4') 0E7B0204		3 4 35 10	39	1.4	0.2			Gray fine SAND, damp.
5		(4-6') 0E7B0406		2 2 3 2	5	1.6	0.4			Brown fine to medium SAND, trace fine to medium gravel, trace metal and charred material, moist. **Fill/Native Boundary 6.0' bgs.**
		(6-8') 0E7B0608		1 2 1 3	3	1.4	0.2			Gray fine to medium SAND, little silt, wet.
	975	(8-10') 0E7B0810		2 2 1 2	3	1.6	0.2			Orange (oxidized) fine SAND, little silt, saturated.
10		(10-12') 0E7B1012		2 1 2 2	3	1.6	0.3			
	970	(12-14') 0E7B1214		2 2 1 2	3	2.0	0.3			
15		(14-16') 0E7B1416		1 2	4	1.8	0.3			Orange fine SAND, some silt, saturated.

Well Construction



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Remarks:
Submitted sample 0E7B0406 for Appendix IX+3 analyses. All other samples submitted for PCB analyses.

Water Levels

Date / Time	Elevation	Depth
9/6/95	973.72	9.61
9/12/95	973.62	9.71

Project: 20114.011   Script: GEPITT W
Date: 05/02/96

Site:
Western Mass. Prop., Former Oxbow E
Pittsfield, Massachusetts

Client:
General Electric Company

Well No. E-7

Total Depth = 20 ft.

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description	Well Construction
		(14-16') 0E7B1416		2 3	4	1.8	0.3			Orange fine SAND, some silt, saturated.	
		(16-18') 0E7B1618		1 3 4 9	7	2.0	0.0			Dark gray fine to coarse SAND, trace silt, saturated.	2-in diameter, 0.010-in slotted schedule 40 PVC well screen 4.6' to 19.6' bgs
	965	(18-20') 0E7B1820		1 4 4 3	8	2.0	0.3				
20										Bottom of boring at 20.0' bgs.	2-in diameter, schedule 40 PVC sump 19.6' bgs to 20.0' bgs.
	960										
25											
	955										
30											
	950										
35											

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Remarks:
Total well depth 20.0' bgs.

Water Levels

Date / Time	Elevation	Depth
9/6/95	973.72	9.61
9/12/95	973.62	9.71

Date Start/Finish: 08/10/95 - 08/10/95 **Drilling Company:** Drillex Drilling Company **Driller's Name:** Bryan Hayes **Drilling Method:** Hollow Stem Auger **Bit Size:** **Auger Size**: 4.25" ID **Rig Type:** CME-75 **Spoon Size:** 2" OD-in. **Hammer Weight:** 140-lb **Height of Fall:** 30-in.	**Northing:** 532865.226 **Easting:** 130984.899 **Borehole Depth:** 31 ft. **Ground Surface Elev.:** 987.4 ft. **Geologist:** Ronald D. Kuhn	**Boring No.** LS-26 **Client:** General Electric Company **Site:** Lyman Street Parking Lot Site Pittsfield, Massachusetts

gs elevation 987.4 ft.

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description	Boring Construction
										GROUND SURFACE	
		(0-2') L26B0002		7 11 11 10	22	1.6	0.0			Black Asphalt. Brown fine to medium SAND, trace silt and fine gravel, trace slag, damp.	
	985	(2-4')		9 13 11 10	24	1.4	0.0				
5		(4-6')		6 4 5 5	9	1.8	0.0				Type 1 portland cement/5% bentonite grout 0' to 31.0' bgs
	980	(6-8')		6 4 5 7	9	1.6	0.0				
		(8-10')		9 8 7 5	15	1.8	0.0				
10		(10-12') L26B1012		9 7 5 2	12	1.6	0.0			Light brown fine to medium SAND, trace silt, damp. Moist to wet at 10.0'. Dark gray fine to medium SAND, saturated.	
	975	(12-14')		11 7 6 5	13	2.0	0.0			Black fine to coarse SAND and SLAG, saturated. **Fill/Native Boundary 13.4' bgs.** Dark brown SILT and PEAT, trace fine sand, moist.	
15		(14-16')		3 4	9	1.2	0.0				

BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

Remarks:
Submitted sample L26B1012 for Appendix IX+3 analyses. All other samples submitted for PCB analyses.

Saturated Zones		
Date / Time	Elevation	Depth

Site:
Lyman Street Parking Lot Site
Pittsfield, Massachusetts

Client:
General Electric Company

Boring No. LS-28
Total Depth = 31 ft.

Depth	Elevation	Sample Run Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description	Boring Construction
		(14-16')		5 6	9	1.2	0.0			@ 14.0', Gray fine SAND, saturated. Trace natural organics.	Type 1 portland cement/5% bentonite grout 0' to 31.0' bgs
	970	(16-18')		3 3 6 3	9	1.4	0.0				
		(18-20')		3 8 13 13	21	1.8	0.0			Brown fine to coarse SAND, little to some fine to medium gravel, saturated.	
20		(20-22')		8 8 6 8	14	1.6	0.0				
	965	(22-24')		10 11 12 10	23	1.6	0.0				
25		(24-26')		15 15 13 12	28	1.4	0.0			Brown fine to coarse SAND and fine to medium GRAVEL, saturated.	
	960	(26-28')		89 36 24 17	60	0.8	0.0				
		(28-30')		13 15 17 21	32	1.8	0.0			Brown SILT and fine SAND, trace fine to medium gravel, moist to wet.	
30		(30-31')		9 19	19	1.0	0.0				
	955									Bottom of boring at 31.0' bgs	
35											

BBL
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engineers & scientists

Remarks:
Total depth of boring 31.0' bgs. Boring grouted to grade upon completion.

Saturated Zones		
Date / Time	Elevation	Depth

Project: 20114.011
Script: GEPITTB
Date: 05/02/96

Date Start/Finish: 08/11/95 – 08/11/95 **Drilling Company:** Drilex Drilling Company **Driller's Name:** Bryan Hayes **Drilling Method:** Hollow Stem Auger **Bit Size:** **Auger Size**: 4.25" ID **Rig Type:** CME-75 **Spoon Size:** 2" OD-in. **Hammer Weight:** 140-lb **Height of Fall:** 30-in.	**Northing:** 532769.682 **Easting:** 130872.687 **Borehole Depth:** 20 ft. **Ground Surface Elev.:** 985.3 ft. **Geologist:** Ronald D. Kuhn	**Boring No. LS-27** **Client:** General Electric Company **Site:** Lyman Street Parking Lot Site Pittsfield, Massachusetts

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description	Boring Construction
gs elevation 985.3 ft.										**GROUND SURFACE**	
	985	(0-2') L27B0002		31 13 17 21	30	2.0	1.8			Black Asphalt. Brown fine to medium SAND, trace silt and fine to medium gravel, damp. Dark brown fine to medium SAND, trace silt and fine gravel, trace slag, damp.	
		(2-4') L27B0204		NA NA NA NA	NA	1.6	7.4				
5	980	(4-6') L27B0406		28 18 8 6	26	1.2	5.0				Type 1 portland cement/5% bentonite grout 0' to 20.0' bgs
		(6-8') L27B0608		5 6 5 5	11	NR	NA				
		(8-10') L27B0810		4 6 4	10	1.6	5.0			Brown fine to medium SAND, trace silt and fine gravel, trace slag, damp.	
10	975	(10-12') L27B1012		2 1 2 1	3	2.0	1.7			Brown fine to medium SAND, trace silt and fine gravel, wet. **Fill/Native Boundary 12.0' bgs.**	
		(12-14') L27B1214		3 3 5 10	8	1.7	0.0			Dark brown fine SAND and SILT, moist. Dark gray fine SAND, trace fine gravel, wet. *(slight odor, no sheens)*	
15		(14-16') L27B1416		1 2	7	0.8	0.0				

BBL
BLASLAND, BOUCK & LEE, INC.
engineers & scientists

Remarks:
Submitted sample L27B0204 for Appendix IX+3 analyses. All other samples submitted for PCB analyses.

Saturated Zones		
Date / Time	Elevation	Depth

Project: 20114.011 Script: GEPITTB Date: 05/02/96

Site:
Lyman Street Parking Lot Site
Pittsfield, Massachusetts

Client:
General Electric Company

Boring No. LS-27

Total Depth = 20 ft.

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description	Boring Construction
	970	(14-16') L27B1416		5 6	7	0.8	0.0			@ 14.4', Brown fine to coarse SAND, some fine to medium gravel, saturated.	Type 1 portland cement/5% bentonite grout 0' to 20.0' bgs
		(16-18') L27B1618		1 6 10 10	16	1.3	0.0			Brown fine to coarse SAND and fine to medium GRAVEL, saturated.	
		(18-20') L27B1820		3 6 8 13	14	1.6	0.0			Brown SILT, trace to little fine sand, moist.	
20	965									Bottom of boring at 20.0' bgs	
25	960										
30	955										
35											

BLASLAND, BOUCK & LEE, INC.
engineers & scientists

Remarks:
Total depth of boring 20.0' bgs. Boring grouted to grade upon completion.

Saturated Zones

Date / Time	Elevation	Depth

Project: 20114.011

Script: GEPITTB
Date: 05/02/96

5

Date Start/Finish: 08/14/95 / 08/14/95 **Drilling Company:** Drilex Drilling Company **Driller's Name:** Bryan Hayes **Drilling Method:** Hollow Stem Auger **Bit Size:** **Auger Size**: 4.25" ID **Rig Type:** CME-75 **Spoon Size:** 2" OD-in.	**Northing:** 532643.843 **Easting:** 130705.466 **Well Casing Elev.:** 986.06 ft. **Corehole Depth:** **Borehole Depth:** 24 ft. **Ground Surface Elev.:** 983.6 ft. **Geologist:** Ronald D. Kuhn	**Well No.** LS-28 **Client:** General Electric Company **Site:** Lyman Street Parking Lot Site Pittsfield, Massachusetts

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description	Well Construction
gs elevation 983.6 ft										GROUND SURFACE	Locking, 8-in diameter steel protective casing 2.62' ags; Well cap
		(1-2') L28B0002		120/ 0.5'	NA	1.0	0.0			Black Asphalt. NA- driller augered to 1.0' bgs due to refusal. Brown fine to medium SAND, trace silt, damp.	Cement seal ground surface to 2.0' bgs
	980	(2-4') L28B0204		13 10 8 11	18	2.0	0.0			Trace fine gravel.	Type 1 portland cement/5% bentonite grout 2.0' to 4.5' bgs
5		(4-6') L28B0406		8 12 10 11	22	1.6	0.0			Dark brown fine to medium SAND, trace silt and fine gravel, damp.	Bentonite seal 4.5' to 6.5' bgs
		(6-8') L28B0608		12 8 10 8	18	2.0	0.0			Orange fine to medium SAND, trace silt and fine gravel, damp. Brown fine SAND, little silt, trace fine gravel, damp.	2-inch schedule 40 PVC well casing 2.26' ags to 8.6' bgs
	975	(8-10') L28B0810		16 7 6 6	13	2.0	0.0			Brown fine to medium SAND, trace fine gravel and silt, damp.	Holliston #2 Silica sand pack 6.5' to 24.0' bgs
10		(10-12') L28B1012		3 4 5 7	9	1.4	0.0			Brown fine to coarse SAND, trace silt, damp to moist. Brown fine to coarse SAND, trace to little fine to medium gravel, saturated @ 10.5' bgs.	
	970	(12-14') L28B1214		9 8 8 8	16	1.6	0.0			Grades with little fine to medium gravel.	2-in diameter, 0.010-in slotted schedule 40 PVC well screen 8.6' to 23.6' bgs
15		(14-16') L28B1416		15 25	77	1.4	0.0			Brown fine to coarse SAND and fine to medium GRAVEL, saturated.	

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Remarks:
Submitted sample L28B1012 for Appendix IX+3 analyses. All other samples submitted for PCB analyses.

Water Levels		
Date / Time	Elevation	Depth
9/8/95	972.81	10.79

Project: 20114.011 Script: GEPITTW Date: 05/02/96

Site:
Lyman Street Parking Lot Site
Pittsfield, Massachusetts

Client:
General Electric Company

Well No. LS-28

Total Depth = 24 ft.

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description	Well Construction
		(14-16') L28B1416		52 21	77	1.4	0.0			Brown fine to coarse SAND and fine to medium GRAVEL, saturated.	2-in diameter, 0.010-in slotted schedule 40 PVC well screen 8.6' to 23.6' bgs
		(16-18') L28B1618		35 6 7 6	13	1.6	0.0			Brown fine to medium SAND, trace fine gravel and silt, saturated.	Holliston #2 Silica sand pack 6.5' to 24.0' bgs
	985	(18-20') L28B1820		28 20 12 22	32	1.4	0.0				
20		(20-22') L28B2022		20 24 18 12	42	1.2	0.0			Brown fine to medium SAND, trace to little fine gravel and silt, saturated.	
	980	(22-24') L28B2224		8 9 7 13	16	1.6	0.0			Brown SILT, trace fine sand and fine gravel, moist.	2-in diameter, schedule 40 PVC sump 23.6' bgs to 24.0' bgs.
25										Bottom of boring at 24.0' bgs.	
	975										
30											
	970										
35											

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Remarks:
Total depth of well 24.0' bgs

Water Levels

Date / Time	Elevation	Depth
9/8/95	972.81	10.79

Project: 201.14.011
Script: GEPITT W
Date: 05/02/96

Date Start/Finish: 08/08/95 / 08/08/95 **Drilling Company:** Drilex Drilling Company **Driller's Name:** Bryan Hayes **Drilling Method:** Hollow Stem Auger **Bit Size:** **Auger Size** : 4.25" ID **Rig Type:** CME-75 **Spoon Size:** 2" OD-in.	**Northing:** 532807.584 **Easting:** 131047.393 **Well Casing Elev.:** 990.63 ft. **Corehole Depth:** **Borehole Depth:** 35 ft. **Ground Surface Elev.:** 988.3 ft. **Geologist:** Ronald D. Kuhn	**Well No.** LS-29 **Client:** General Electric Company **Site:** Lyman Street Parking Lot Site Pittsfield, Massachusetts

gs elevation 988.3 ft.

GROUND SURFACE

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test
		(0-2') L29B0002		33 57 109 28	166	2.0	1.2	
	985	(2-4')		20 6 8 6	14	1.6	1.1	
5		(4-6')		10 11 13 31	24	1.2	2.3	
		(6-8')		7 20 37 25	57	1.8	0.3	
	980	(8-10')		10 13 5 6	18	1.7	1.3	
10		(10-12') L29B1012		8 21 24 13	45	1.6	18.8	
	975	(12-14')		18 14 17 14	31	1.7	10.1	
15		(14-16')		4 6	9	1.6	6.2	

Stratigraphic Description

Black Asphalt.

Brown fine to medium SAND, trace fine gravel, damp.

Light gray fine SAND, damp.

Brown fine to medium SAND, trace fine gravel, trace slag, damp.

Gray fine to medium sand-sized fill, little brown fine to medium sand, trace metal, damp.

Dark brown fine to medium SAND, trace silt, trace slag, damp.

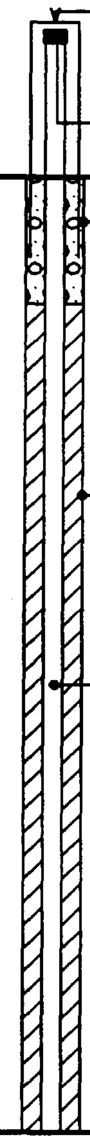
Dark brown fine to medium SAND and gray fine to medium sand-sized fill, trace silt, trace brick, damp.

Trace wire.

Dark brown fine to medium SAND and black porous slag, trace silt, damp.

Fill/Native Boundary 14.9' bgs.

Well Construction



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Remarks:

Submitted sample L29B1012 for Appendix IX+3 analyses. All other samples submitted for PCB analyses.

Water Levels

Date / Time	Elevation	Depth
9/5/95	972.29	18.03
9/11/95	972.26	18.06

Project: 20114.011 Script: GEPITT W Date: 05/02/96

Site:
Lyman Street Parking Lot Site
Pittsfield, Massachusetts

Client:
General Electric Company

Well No. LS-29

Total Depth = 35 ft.

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description	Well Construction
		(14-16')		3 2	9	1.6	8.2			@14.9', Brown fine to medium SAND, little silt and organics, wet.	Type 1 portland cement/5% bentonite grout 2.0' to 20.5' bgs
		(16-18')		4 6 4 5	10	2.0	0.8			Brown PEAT and SILT, moist to wet.	
	970	(18-20')		1 2 2 3	4	NR	NA				2-in schedule 40 PVC well casing 2.31' ags to 24.6' bgs
20		(20-22')		1 3 3 3	6	1.8	2.0			Wood 20.9' to 21.0' bgs. Brown fine to medium SAND, trace coarse sand and fine gravel, saturated.	Bentonite seal 20.5' to 22.5' bgs
	965	(22-24')		1 3 10 9	13	1.6	1.0			Brown fine to coarse SAND, little fine to medium gravel, saturated.	Holliston #2 Silica sand pack 22.5' to 34.0' bgs
25		(24-26')		5 6 8 12	14	2.0	0.5			Brown fine SAND, trace silt, saturated.	
		(26-28')		2 2 9 12	11	1.6	0.4			Brown fine SAND, little fine to medium gravel, trace silt, saturated.	2-in diameter, 0.010-in slotted schedule 40 PVC well screen 24.6' to 34.6' bgs
	960	(28-30')		7 38 23 20	61	1.6	0.5			Brown fine to medium GRAVEL (subangular to subrounded), some medium to coarse sand, trace silt, saturated.	
30				2 18 20 28	38	0.7	9.8			Brown fine to coarse SAND, trace silt, slight odor, slight sheen.	
	955	(32-34') L29B3234		2 16 18 21	34	1.6	5.1			Brown fine SAND and SILT, loose, trace fine to medium gravel, slight sheen, slight odor, moist to wet.	2-in diameter, schedule 40 PVC sump 34.6' bgs to 35.0' bgs.
35		(34-35')		8 16	26	1.0	0.0			Dense.	

Bottom of boring at 35.0' bgs

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Remarks:
Total depth of well 35.0' bgs

Water Levels

Date / Time	Elevation	Depth
9/5/95	972.29	16.03
9/11/95	972.26	16.06

Project: 20114.011
Script: GEPITT W
Date: 05/02/96

9

Date Start/Finish: 08/14/95 / 08/14/95 **Drilling Company:** Drilex Drilling Company **Driller's Name:** Bryan Hayes **Drilling Method:** Hollow Stem Auger **Bit Size:** **Auger Size**: 4.25" ID **Rig Type:** CME-75 **Spoon Size:** 2" OD-in.	**Northing:** 532620.969 **Easting:** 130874.134 **Well Casing Elev.:** 986.44 ft. **Corehole Depth:** **Borehole Depth:** 20 ft. **Ground Surface Elev.:** 984.2 ft. **Geologist:** Ronald D. Kuhn	**Well No.** LS-30 **Client:** General Electric Company **Site:** Lyman Street Parking Lot Site Pittsfield, Massachusetts

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description	Well Construction
gs elevation 984.2 ft.										GROUND SURFACE	Locking, 8-in diameter steel protective casing 2.67' ags; Well cap
		(0-2') L30B0002		10 17 10 10	27	1.8	0.0			Black Asphalt. Brown fine to medium SAND, trace fine to medium gravel, damp. Dark gray fine SAND, trace silt, trace slag, glass, and wire, damp.	Cement seal ground surface to 2.0' bgs
		(2-4')		10 18 18 21	36	1.8	8.5			Dark brown fine to medium SAND, trace slag, wire, glass, porcelin, and charred material, damp.	Type 1 portland cement/5% bentonite grout 2.0' to 4.5'bgs
5	980	(4-6')		8 10 7 5	17	1.8	1.3			Gray fine SAND, damp. Dark gray fine SAND, trace silt, trace slag, damp.	Bentonite seal 4.5' to 6.5' bgs
		(6-8')		2 4 5 4	9	0.3	16.4			Trace glass and wire, damp.	2-inch schedule 40 PVC well casing 2.27' ags to 8.6' bgs
	975	(8-10')		12 4 5 4	9	1.4	12.4			Moist to wet.	
10		(10-12') L30B1012		1 2 1 2	3	1.8	146.7			Heavy odor, stained black. **Fill/Native Boundary 12.0' bgs.**	Holliston #2 Silica sand pack 6.5' to 19.0' bgs
		(12-14') L30B1214		3 6 11 9	17	1.8	152.1			Black fine to medium SAND, little fine to medium gravel, saturated with NAPL, heavy sheen.	2-in diameter, 0.010-in slotted schedule 40 PVC well screen 8.6' to 18.6' bgs
15	970	(14-16') L30B1416		3 6	20	1.4	154.8			Dark gray fine to coarse SAND and fine to medium GRAVEL, heavy odor,	

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Remarks:
Submitted sample L30B1416 for Appendix IX+3 analyses. All other samples submitted for PCB analyses.

Water Levels

Date / Time	Elevation	Depth

Project: 20114.011 Script: GEPITT W Date: 05/02/96

Site:
Lyman Street Parking Lot Site
Pittsfield, Massachusetts

Client:
General Electric Company

Well No. LS-30

Total Depth = 20 ft.

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description	Well Construction
		(14-16') L30B1416		14 13	20	1.4	154.8			Dark gray fine to coarse SAND and fine to medium GRAVEL, heavy odor, saturated with NAPL.	Holliston #2 Silica sand pack 6.5' to 19.0' bgs
		(16-18') L30B1618		6 7 17 19	24	1.6	135.9				2-in diameter, 0.010-in slotted schedule 40 PVC well screen 8.6' to 18.6' bgs
	965	(18-20') L30B1820		2 6 6 7	12	1.4	109.7			Brown SILT, trace fine to medium gravel, moist.	2-in diameter, schedule 40 PVC sump 18.6' bgs to 19.0' bgs.
20										Bottom of boring at 20.0' bgs.	Natural backfill 19.0' to 20.0' bgs
	960										
25											
	955										
30											
	950										
35											

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Remarks:
Total depth of well 19.0' bgs.

Water Levels

Date / Time	Elevation	Depth

Project: 20114.011
Script: GEPITTW
Date: 05/02/96

(6)

Date Start/Finish: 08/15/95 / 08/15/95 **Drilling Company:** Drilex Drilling Company **Driller's Name:** Bryan Hayes **Drilling Method:** Hollow Stem Auger **Bit Size:** **Auger Size:** 4.25" ID **Rig Type:** CME-75 **Spoon Size:** 2" OD-in.	**Northing:** 532663.752 **Easting:** 130942.012 **Well Casing Elev.:** 987.09 ft. **Corehole Depth:** **Borehole Depth:** 22 ft. **Ground Surface Elev.:** 984.9 ft. **Geologist:** Ronald D. Kuhn	**Well No.** LS-31 **Client:** General Electric Company **Site:** Lyman Street Parking Lot Site Pittsfield, Massachusetts

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description	Well Construction
gs elevation 984.9 ft										GROUND SURFACE	Locking, 8-in diameter steel protective casing 2.40' ags; Well cap
		(0-2') L31B0002		83 32 18 16	50	1.8	0.0			Black Asphalt. Brown fine to medium SAND, trace fine to medium gravel and silt, damp.	Cement seal ground surface to 2.0' bgs
		(2-4')		15 9 7 9	16	1.2	0.0			Dark brown fine to medium SAND, trace fine gravel and silt, trace metal and glass, damp. Trace slag.	Type 1 portland cement/5% bentonite grout 2.0' to 6.5'bgs
5	980	(4-6')		2 3 3 3	6	1.6	0.0			Dark gray fine SAND, damp. Light brown fine SAND, damp.	2-inch schedule 40 PVC well casing 2.23' ags to 10.6' bgs
		(6-8')		6 9 11 11	20	1.2	2.64			Dark brown fine to medium SAND, little silt, trace fine gravel, trace brick and glass, slight odor, damp.	Bentonite seal 6.5' to 8.5' bgs
		(8-10')		6 7 33 26	40	1.2	2.54			Red brick 8.9'-9.2'.	Holliston #2 Silica sand pack 8.5' to 21.2' bgs
10	975	(10-12') L31B1012		7 8 9 8	17	1.0	7.7			Black fine to medium SAND, little silt, trace fine gravel, heavy odor, damp.	
		(12-14') L31B1214		7 9 9 10	18	0.5	2.4			Red brick and fine to medium GRAVEL, saturated with NAPL. **Fill/Native Boundary 14.0' bgs.**	2-in diameter, 0.010-in slotted schedule 40 PVC well screen 10.6' to 20.6' bgs
15	970	(14-16') L31B1416		6 12	25	0.7	2.5			Black fine to medium SAND and fine to medium GRAVEL, sat. w/ NAPL.	

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Remarks:
Submitted sample L31B1820 for Appendix IX+3 analyses. All other samples submitted for PCB analyses.

Water Levels		
Date / Time	Elevation	Depth

2

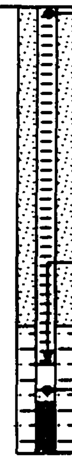
Site:
Lyman Street Parking Lot Site
Pittsfield, Massachusetts

Client:
General Electric Company

Well No. LS-31

Total Depth = 22 ft.

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description	Well Construction
		(14-16') L31B1416		13 10	25	0.7	2.5			Black fine to medium SAND and fine to medium GRAVEL, saturated with NAPL.	2-in diameter, 0.010-in slotted schedule 40 PVC well screen 10.6' to 20.6' bgs
		(16-18') L31B1618		9 6 7 6	13	0.7	3.8			Dark gray fine to medium SAND, trace fine to medium gravel, saturated.	
		(18-20') L31B1820		1 1 8 8	9	0.6	111.8				2-in diameter, schedule 40 PVC sump 20.6' bgs to 21.0' bgs.
20	985	(20-22')		7 8 8 12	16	1.8	1.6			Brown SILT, trace fine sand and fine gravel, moist.	#2 Silica sand 21.0' bgs to 21.2' bgs
										Bottom of boring at 22.0' bgs.	Bentonite seal 21.2' bgs to 22.0' bgs
25	980										
30	955										
35	950										



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Remarks:
Total depth of well 21.0' bgs

Water Levels

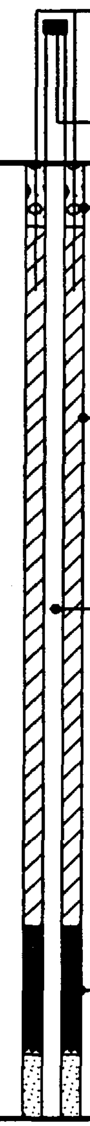
Date / Time	Elevation	Depth

Project: 20114.011
Script: GEPITT W
Date: 05/02/96

Date Start/Finish: 12/14/95 / 12/15/95 **Drilling Company:** Maxymillian Drilling Co. **Driller's Name:** George Rustemeyer **Drilling Method:** Hollow Stem Auger **Bit Size:** **Auger Size**: 4.25" ID **Rig Type:** Mobile B-57 **Spoon Size:** 2" OD-in.	**Northing:** **Easting:** **Well Casing Elev.:** 985.79 ft. **Corehole Depth:** **Borehole Depth:** 26 ft. **Ground Surface Elev.:** ft. **Geologist:** Ronald D. Kuhn	**Well No.** LS-34 **Client:** General Electric Company **Site:** Lyman Street Parking Lot Site Pittsfield, Massachusetts

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description
gs elevation ft.										GROUND SURFACE
		(0-2') L34B0002		5 6 9 8	15	1.6	0.0			Dark brown fine to medium SAND, trace silt and fine to medium gravel, frozen 0-0.4'. Dark gray fine SAND, damp.
		(2-4') L34B0204		10 11 6 7	17	2.0	0.0			Dark brown fine to medium SAND, trace silt and fine gravel, trace brick and slag, damp.
5		(4-6') L34B0406		4 2 32 41	34	1.0	0.0			Black fine to medium SAND, little silt, damp.
		(6-8') L34B0608		32 27 24 20	51	0.2	0.0			**Fill/Native Boundary 8.2' bgs.**
		(8-10') L34B0810		4 8 9 10	17	2.0	1.0			Dark gray fine SAND, little silt and natural organics, moist.
10		(10-12') L34B1012		4 6 9 10	15	2.0	0.5			Color changes to dark brown.
		(12-14') L34B1214		5 8 7 5	15	2.0	0.2			Dark brown fine SAND, trace silt, saturated at 12.0'.
15		(14-16') L34B1416		2 3	8	2.0	0.5			

Well Construction



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Remarks:
L34B2224 submitted for Appendix IX +3 analyses. All other samples submitted for PCB analyses.

Water Levels

Date / Time	Elevation	Depth

Project: 201.14.011
Script: GEPITT W
Date: 05/02/96

Site:
Lyman Street Parking Lot Site
Pittsfield, Massachusetts

Client:
General Electric Company

Well No. LS-34

Total Depth = 26 ft.

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description	Well Construction
		(14-16') L34B1416		5 2	8	2.0	0.5			Dark brown fine SAND, trace silt, saturated.	
		(16-18') L34B1618		2 9 17 49	26	2.0	1.0				Grade #2 Silica sand pack 14.0' to 25.0' bgs
		(18-20') L34B1820		5 35 40 27	75	2.0	2.0			Brown fine to coarse SAND, little fine to medium gravel, saturated. Brown fine to coarse SAND, little to some fine to medium gravel, saturated.	2-in diameter, 0.010-in slotted schedule 40 PVC well screen 16.0' to 25.5' bgs
20		(20-22') L34B2022		7 28 71 36	99	1.6	4.0				
		(22-24') L34B2224		24 37 39 28	76	2.0	300.0			Brown fine to coarse SAND, little to some fine to medium gravel, sheens, saturated.	
25		(24-26') L34B2426		18 22 31 20	53	2.0	7.0			Brown SILT, little fine sand, trace fine to medium gravel, moist.	2-in diameter, schedule 40 PVC sump 25.5' bgs to 26.0' bgs.
										Bottom of boring at 26.0' bgs.	
30											
35											

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Remarks:
Total depth of well 26.0' bgs

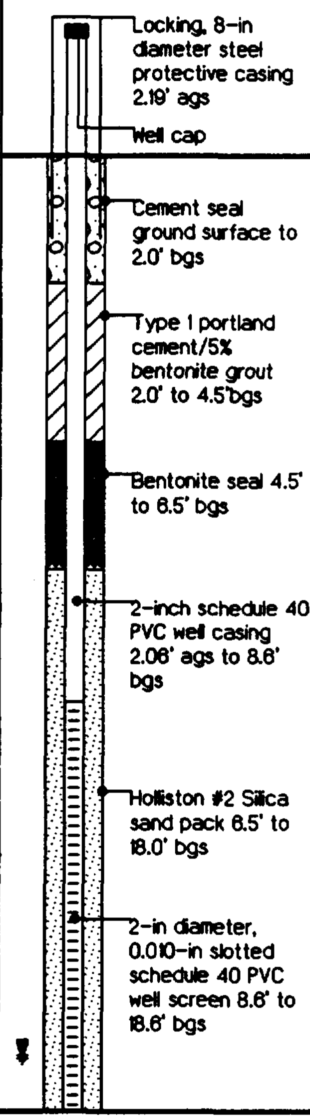
Water Levels		
Date / Time	Elevation	Depth

Project: 201.14.011
Script: GEPITTW
Date: 05/02/96

Date Start/Finish: 08/15/95 / 08/15/95 **Drilling Company:** Drilex Drilling Company **Driller's Name:** Bryan Hayes **Drilling Method:** Hollow Stem Auger **Bit Size:** **Auger Size**: 4.25" ID **Rig Type:** CME-75 **Spoon Size:** 2" OD-in.	**Northing:** 532567.717 **Easting:** 131005.313 **Well Casing Elev.:** 986.80 ft. **Corehole Depth:** **Borehole Depth:** 20 ft. **Ground Surface Elev.:** 984.7 ft. **Geologist:** Ronald D. Kuhn	**Well No.** LS-35 **Client:** General Electric Company **Site:** Lyman Street Parking Lot Site Pittsfield, Massachusetts

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description
gs elevation 984.7 ft.										GROUND SURFACE
		(0-2') L35B0002		7 19 26 28	45	1.1	1.8			Brown fine to medium SAND, trace fine to medium gravel, silt, and natural organics, damp.
		(2-4')		30 22 18 10	40	1.8	0.0			Brown fine to medium SAND, trace fine to medium gravel and silt, damp.
5	980	(4-6')		20 11 11 10	22	1.8	0.0			Trace red brick and slag, damp.
		(6-8')		5 6 6 6	12	1.6	0.0			
10	975	(8-10')		40 33 28 26	61	1.8	0.0			
		(10-12')		1 1 5 6	6	1.4	0.0			**Fill/Native Boundary 11.0' bgs.** Dark gray fine SAND, trace silt, moist.
		(12-14') L35B1214		4 4 4 4	8	1.6	5.9			Heavy odor, sheens evident, moist to wet.
15	970	(14-16')		0 1	3	2.0	0.4			

Well Construction



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Remarks:

Submitted sample L35B1214 for Appendix IX+3 analyses. All other samples submitted for PCB analyses.

Water Levels

Date / Time	Elevation	Depth
9/6/95	970.55	14.19
9/11/95	970.60	14.14

1-6

Site:
Lyman Street Parking Lot Site
Pittsfield, Massachusetts

Client:
General Electric Company

Well No. LS-35

Total Depth = 20 ft.

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description	Well Construction
		(14-16')		2 1	3	2.0	0.4			Dark gray fine SAND, trace silt, moist.	
		(16-18')		1 6 8 6	14	1.6	0.8			Dark brown fine SAND and PEAT, moist to wet. Dark brown fine to medium SAND, trace fine to medium gravel, saturated, slight sheen. Gray fine SAND, some silt, wet.	2-in diameter, schedule 40 PVC sump 18.6' bgs to 19.0' bgs.
20	965	(18-20')		3 5 7 7	12	1.4	0.0			Brown SILT, trace fine sand and fine to medium gravel, moist.	Holliston #2 Silica sand 19.0' to 19.2' bgs.
										Bottom of boring at 20.0' bgs.	Bentonite seal 19.2' to 20.0' bgs.
25	960										
30	955										
35	950										

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Remarks:
Total depth of well 19.0' bgs.

Water Levels		
Date / Time	Elevation	Depth
9/6/95	970.55	14.19
9/11/95	970.60	14.14

Project: 20114.011
Script: GEPITTW
Date: 05/02/96

Date Start/Finish: 08/07/95 / 08/07/95
Drilling Company: Drillex Drilling Company
Driller's Name: Bryan Hayes
Drilling Method: Hollow Stem Auger
Bit Size: **Auger Size** : 4.25" ID
Rig Type: CME-75
Spoon Size: 2" OD

Northing: 532721.569
Easting: 131176.518
Well Casing Elev.: 990.07 ft.
Corehole Depth:
Borehole Depth: 30 ft.
Ground Surface Elev.: 988.4 ft.

Descriptions by: Ronald D. Kuhn

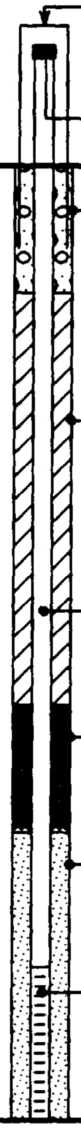
Well No. LS-36

Client:
General Electric Company

Site:
Lyman Street Parking Lot Site
Pittsfield, Massachusetts

DEPTH	ELEVATION	Sample Depth Sample Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description
gs elevation 988.4 ft.										**GROUND SURFACE**
		(0-2') L36B0002		50 23 19 17	42	0.3	NA			Brown fine to medium SAND, trace coarse sand, trace silt, damp. Black and brown fine to medium SAND, trace coarse sand, little slag, damp.
	985	(2-4') L36B0204		5 3 4 3	7	1.2	0.6			
5		(4-6') L36B0406		3 3 2 2	5	0.6	0.9			Trace brick.
		(6-8') L36B0608		2 2 2 2	4	1.0	0.1			Red fine to medium SAND, trace fine gravel and slag, damp.
	980	(8-10') L36B0810		3 4 4	8	1.4	0.2			Dark brown fine to medium SAND, trace fine gravel, trace charred material and slag, damp. Red fine to medium SAND, trace slag, damp.
10		(10-12') L36B1012		3 4 4 3	8	1.6	0.2			Dark brown fine to medium SAND, trace brick, charred material and slag, damp. **Fill/Native Boundary 12.6' bgs.**
	975	(12-14') L36B1214		6 3 4 4	7	2.0	0.2			Brown fine SAND, trace medium sand, silt, and natural organics, damp.
15		(14-16') L36B1416		2 3	6	1.1	0.0			Brown fine to medium SAND, trace coarse sand and silt, moist to wet.

Well Construction



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Remarks:

Submitted sample L36B1618 for Appendix IX+3 analyses. All other samples submitted for PCB analyses.

Water Levels

Date / Time	Elevation	Depth
9/5/95	971.01	17.36
9/11/95	970.99	17.38

Project: 201.14.011
Script: BBL-wel2
Date: 05/28/96

Site:
Lyman Street Parking Lot Site
Pittsfield, Massachusetts

Client:
General Electric Company

Well No. LS-36
Total Depth = 30 ft.

DEPTH	ELEVATION	Sample Depth Sample Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description	Well Construction
		(14-16') L36B1416		3 2	6	1.1	0.0			Brown fine to medium SAND, trace coarse sand and silt, moist to wet.	
		(16-18') L26B1618		2 3 3 5	6	1.2	10.9			Saturated at 16.0'.	2-in diameter, 0.010-in slotted schedule 40 PVC well screen 12.6' to 27.6' bgs
	970	(18-20') L36B1820		3 4 5 5	9	1.7	5.7			Brown fine to coarse SAND, little fine to medium gravel, saturated.	
20		(20-22') L36B2022		10 15 19 22	34	2.0	2.5			Brown fine to coarse SAND and fine to medium GRAVEL, trace coarse gravel, saturated.	#2 Silica sand pack 10.5' to 28.0' bgs
	965	(22-24') L36B2224		3 4 5 7	9	2.0	1.9			Brown fine to medium SAND, trace silt, saturated.	
25		(24-26') L36B2426		5 6 7 7	13	2.0	0.0				
		(26-28') L36B2628		10 12 13 14	25	2.0	0.1				2-in diameter, schedule 40 PVC sump 27.6' bgs to 28.0' bgs.
	960	(28-30') L36B2830		NA NA NA NA	NA	1.6	0.0			Brown fine to medium SAND, trace fine gravel, trace silt, saturated.	Natural backfill 28.0' to 30.0' bgs.
30										Bottom of boring at 30.0' bgs	
	955										
35											

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Remarks:
Total depth of well 28.0' bgs

Water Levels

Date / Time	Elevation	Depth
9/5/95	971.01	17.36
9/11/95	970.99	17.38

Date Start/Finish: 08/08/95 / 08/08/95 **Drilling Company:** Drillex Drilling Company **Driller's Name:** Bryan Hayes **Drilling Method:** Hollow Stem Auger **Bit Size:** **Auger Size** : 4.25" ID **Rig Type:** CME-75 **Spoon Size:** 2" OD-in.	**Northing:** 532991.205 **Easting:** 130998.258 **Well Casing Elev.:** 989.62 ft. **Corehole Depth:** **Borehole Depth:** 24 ft. **Ground Surface Elev.:** 987.3 ft. **Geologist:** Ronald D. Kuhn	**Well No.** LS-37 **Client:** General Electric Company **Site:** Lyman Street Parking Lot Site Pittsfield, Massachusetts

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description	Well Construction
gs elevation 987.3 ft.										GROUND SURFACE	Locking, 8-in diameter steel protective casing 2.49' ags; Well cap
		(0-2') L37B0002		3 6 9 11	15	1.6	6.5			Black Asphalt. Dark brown fine to medium SAND, trace fine gravel, trace black slag, damp.	Cement seal ground surface to 2.0' bgs
	985	(2-4') L37B0204		5 4 4 5	8	1.6	17.5				Type 1 portland cement/5% bentonite grout 2.0' to 4.5' bgs
5		(4-6') L37B0406		5 15 18 20	33	1.8	11.5			Light brown fine SAND, trace ceramic pieces, damp. Brown fine SAND, trace silt, damp.	Bentonite seal 4.5' to 6.5' bgs
	980	(6-8') L37B0608		5 4 5 4	9	1.7	24.0			Dark brown fine SAND, trace silt, trace slag and glass, damp.	2-inch schedule 40 PVC well casing 2.33' ags to 8.6' bgs
		(8-10') L37B0810		3 4 5 3	9	1.8	16.0				Holliston #2 Silica sand pack 8.5' to 24.0' bgs
10		(10-12') L37B1012		3 4 4 3	8	1.4	0.5			Trace metal. Fill/Native Boundary 12.0' bgs.	
	975	(12-14') L37B1214		1 2 2 1	4	1.5	0.9			Dark brown fine to medium SAND, trace silt and fine gravel, saturated.	2-in diameter, 0.010-in slotted schedule 40 PVC well screen 8.6' to 23.6' bgs
15		(14-16') L37B1416		5 9	24	1.2	2.5				

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Remarks:
Submitted sample L37B0608 for Appendix IX+3 analyses. All other samples submitted for PCB analyses.

Water Levels

Date / Time	Elevation	Depth
9/5/95	974.98	12.31
9/11/95	974.62	12.67

Site:
Lyman Street Parking Lot Site
Pittsfield, Massachusetts

Client:
General Electric Company

Well No. LS-37

Total Depth = 24 ft.

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description	Well Construction
		(14-16') L37B1416		15 19	24	1.2	2.5			Dark brown fine to medium SAND, trace silt and fine gravel, saturated.	Holliston #2 Silica sand pack 6.5' to 24.0' bgs
	970	(16-18') L37B1618		3 5 5 7	10	0.8	1.0				
		(18-20') L37B1820		2 3 4 5	7	2.0	0.9			Brown PEAT and SILT, trace roots and wood, moist.	
20		(20-22') L37B2022		2 6 10 9	16	1.4	6.5			Brown fine to medium SAND, trace silt, saturated.	2-in diameter, 0.010-in slotted schedule 40 PVC well screen 8.6' to 23.6' bgs
	965	(22-24') L37B2224		5 5 7 9	12	2.0	5.3			Brown fine to medium SAND, trace fine to medium gravel, trace silt, saturated.	
										Bottom of boring at 24.0' bgs.	2-in diameter, schedule 40 PVC sump 23.6' bgs to 24.0' bgs.
25											
	960										
30											
	955										
35											

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Remarks:
Total depth of well 24.0' bgs

Water Levels

Date / Time	Elevation	Depth
9/5/95	974.98	12.31
9/11/95	974.62	12.67

Project: 20114.011
Script: GEPITTW
Date: 05/02/96

Date Start/Finish: 08/14/95 / 08/14/95 **Drilling Company:** Drillex Drilling Company **Driller's Name:** Bryan Hayes **Drilling Method:** Hollow Stem Auger **Bit Size: Auger Size** : 4.25" ID **Rig Type:** CME-75 **Spoon Size:** 2" OD	**Northing:** 532456.545 **Easting:** 130852.314 **Well Casing Elev.:** 986.95 ft. **Corehole Depth:** **Borehole Depth:** 24 ft. **Ground Surface Elev.:** 984.7 ft. **Descriptions by:** Ronald D. Kuhn	**Well No. LS-38** **Client:** General Electric Company **Site:** Lyman Street Parking Lot Site Pittsfield, Massachusetts

DEPTH	ELEVATION	Sample Depth Sample Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description	Well Construction
gs elevation 984.7 ft.										GROUND SURFACE	Locking, 8-in diameter steel protective casing 2.40' ags; Well cap
		(0-2') L38B0002		20 21 17 28	38	1.8	0.0			Brown fine SAND, trace silt, fine gravel, and natural organics, damp. Dark brown fine to medium SAND, trace fine to medium gravel and silt, damp.	Cement seal ground surface to 2.0' bgs
		(2-4') L38B0204		20 12 10 11	22	1.4	0.0			Trace natural organics (rootlets). Color changes to brown.	Type 1 portland cement/5% bentonite grout 2.0' to 8.5' bgs
5	980	(4-6') L38B0406		6 7 17 12	24	1.2	0.0				
		(6-8') L38B0608		7 16 15 21	31	1.2	0.0				
		(8-10')		NA NA NA NA	NA	NA	NA			Driller augered through obstruction (Possible boulder).	Bentonite seal 8.5' to 10.5' bgs
10	975	(10-12')		19 20 7 6	27	NR	NA			Brown fine to medium SAND, trace fine gravel and silt, damp.	2-inch schedule 40 PVC well casing 2.25' ags to 12.6' bgs
		(12-14') L38B1214		12 11 7 6	18	0.3	NA			**Possible Fill/Native Boundary 14.0' bgs**	Holliston #2 Silica sand pack 10.5' to 22.6' bgs
15	970	(14-16') L38B1416		4 6	12	0.6	26.4			Dark gray fine SAND, trace silt, wet to saturated.	

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Remarks:
Submitted sample L38B1618 for Appendix IX+3 analyses. All other samples submitted for PCB analyses. NR-No Recovery, NA-Not Applicable

Water Levels

Date / Time	Elevation	Depth
9/6/95	970.74	13.96
9/11/95	970.77	13.93

Project: 201.14.011 Script: BBL-wel2 Date: 05/28/96

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Site:
Lyman Street Parking Lot Site
Pittsfield, Massachusetts

Client:
General Electric Company

Well No. LS-38

Total Depth = 24 ft.

DEPTH	ELEVATION	Sample Depth / Sample Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description	Well Construction
		(14-16') L38B1416		6 4	12	0.6	26.4			Dark gray fine SAND, trace silt, wet to saturated.	Holliston #2 Silica sand pack 10.5' to 22.6' bgs
		(16-18') L38B1618		5 7 9 11	16	2.0	43.4			Tree root from 17.2' to 17.4' bgs.	
		(18-20') L38B1820		5 6 6 9	12	0.6	17.7			Dark gray fine to coarse SAND, little fine to medium gravel, slight odor, saturated.	2-in diameter, 0.010-in slotted schedule 40 PVC well screen 12.6' to 22.6' bgs
20	985	(20-22')		9 9 12 14	21	NR	NA				
		(22-24') L38B2224		17 12 7 7	19	1.8	6.1			Brown SILT, little fine sand, trace fine gravel, moist.	2-in diameter, schedule 40 PVC sump 22.6' bgs to 23.0' bgs. Natural backfill 23.0'-24.0' bgs
										Bottom of boring at 24.0' bgs.	
25	980										
30	955										
35	950										

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Remarks:
Total depth of well 23.0' bgs

Water Levels		
Date / Time	Elevation	Depth
9/8/95	970.74	13.96
9/11/95	970.77	13.93

Project: 20114.011
Script: BBL-wel2
Date: 05/28/96

Date Start/Finish: 08/10/95 - 08/10/95 **Drilling Company:** Drilex Drilling Company **Driller's Name:** Bryan Hayes **Drilling Method:** Hollow Stem Auger **Bit Size: Auger Size:** 4.25" ID **Rig Type:** CME-75 **Spoon Size:** 2" OD-in. **Hammer Weight:** 140-lb **Height of Fall:** 30-in.	**Northing:** 532770.842 **Easting:** 130874.096 **Borehole Depth:** 14 ft. **Ground Surface Elev.:** 985.3 ft. **Geologist:** Ronald D. Kuhn	**Boring No. LS-39** **Client:** General Electric Company **Site:** Lyman Street Parking Lot Site Pittsfield, Massachusetts

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description	Boring Construction
gs elevation 985.3 ft.										**GROUND SURFACE**	
	985	(0-2') L39B0002		9 8 7 11	15	1.6	0.0			Black Asphalt. Brown fine SAND, trace fine to medium gravel and silt, damp.	
		(2-4') L39B0204		6 7 9 8	16	2.0	0.0			Brown fine SAND, little silt, damp.	
5	980	(4-6') L39B0406		10 7 6 8	13	1.7	0.0			Brown fine to medium SAND, trace silt and fine gravel, damp.	Type I portland cement/5% bentonite grout 0' to 14.0' bgs
		(6-8') L39B0608		1 2 4 7	6	1.8	0.0			Brown SILT and CLAY, damp. Brown fine to medium SAND, trace fine gravel, damp.	
		(8-10') L39B0810		5 8 6 3	14	2.0	0.0			Brown SILT and CLAY, damp. Brown fine to medium SAND, trace fine to medium gravel, damp.	
10	975	(10-12') L39B1012		2 4 5 5	9	1.2	0.0			Brown SILT and CLAY, trace fine to medium gravel, damp. **Fill/Native Boundary 10.2' bgs.** Brown fine to coarse SAND, trace fine to medium gravel, moist to wet.	
		(12-14') L39B1214		2 5 4 4	9	1.4	0.0			Saturated at 12.0'.	
15										Bottom of boring at 14.0' bgs	

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Remarks:
Submitted sample L39B1012 for Appendix IX+3 analyses. All other samples submitted for PCB analyses. Boring grouted to grade upon completion.

Saturated Zones		
Date / Time	Elevation	Depth

Date Start/Finish: 08/10/95 - 08/10/95
Drilling Company: Drilex Drilling Company
Driller's Name: Bryan Hayes
Drilling Method: Hollow Stem Auger
Bit Size: **Auger Size**: 4.25" ID
Rig Type: CME-75
Spoon Size: 2" OD-in.
Hammer Weight: 140-lb
Height of Fall: 30-in.

Northing: 532862.236
Easting: 130810.122
Borehole Depth: 12.0 ft.
Ground Surface Elev.: 984.1 ft.

Geologist: Ronald D. Kuhn

Boring No. LS-40

Client:
General Electric Company

Site:
Lyman Street Parking Lot Site
Pittsfield, Massachusetts

gs elevation 984.1 ft.

GROUND SURFACE

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description	Boring Construction
		(0-2') L40B0002		5 6 7 8	13	2.0	0.0			Black Asphalt. Brown fine SAND and SILT, trace fine to medium gravel, damp.	
		(2-4') L40B0204		12 7 8 10	15	2.0	0.0			Brown fine to coarse SAND, little fine to medium gravel, damp.	
5	980	(4-6') L40B0406		5 8 6 5	14	1.4	0.0				Type 1 portland cement/5% bentonite grout 0' to 12.0' bgs
		(6-8') L40B0608		6 6 6 4	12	2.0	0.0			Brown fine to coarse SAND, trace fine to medium gravel, damp.	
	975	(8-10') L40B0810		3 3 4 4	7	2.0	0.0				
10		(10-12') L40B1012		3 4 3 2	7	2.0	0.0			Saturated at 10.0'.	
										Bottom of boring at 12.0' bgs	
15	970										

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Remarks:
Submitted sample L40B1012 for Appendix IX+3 analyses. All other samples submitted for PCB analyses. Boring grouted to grade upon completion.

Saturated Zones

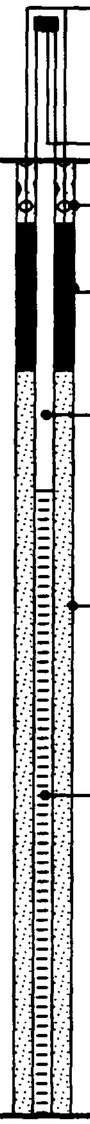
Date / Time	Elevation	Depth

Project: 20114.011
Script: GEPITT B
Date: 05/02/96

Date Start/Finish: 12/13/95 / 12/13/95 **Drilling Company:** Maxymillian Drilling Co. **Driller's Name:** George Rustemeyer **Drilling Method:** Hollow Stem Auger **Bit Size:** **Auger Size** : 4.25" ID **Rig Type:** Mobile B-57 **Spoon Size:** 2" OD	**Northing:** **Easting:** **Well Casing Elev.:** 986.41 ft. **Corehole Depth:** **Borehole Depth:** 20.2 ft. **Ground Surface Elev.:** ft. **Descriptions by:** Ronald D. Kuhn	**Well No.** LS-41 **Client:** General Electric Company **Site:** Lyman Street Parking Lot Site Pittsfield, Massachusetts

DEPTH	ELEVATION	Sample Depth Sample Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description
gs elevation ft.										GROUND SURFACE
		(0-2')		2 8 7 3	13	0.5	1.0			Brown fine to medium SAND, trace silt, fine gravel and natural organics, frozen 0'-0.5' bgs.
		(2-4')		6 11 12 10	23	0.8	0.8			Damp, no natural organics.
5		(4-6')		12 10 16 12	26	0.6	0.2			Brown fine to medium SAND, trace silt and fine gravel, trace slag and brick, damp.
		(6-8')		13 13 27 28	40	1.2	0.4			
		(8-10')		17 12 10 26	22	1.6	13.0			Soil becomes moist.
10		(10-12') L41B1012		9 11 4 5	15	1.4	114.0			**Fill/Native Boundary 11.0' bgs.** Dark gray fine to medium SAND, odor, possible NAPL, wet.
		(12-14') L41B1214		4 6 5 6	11	1.8	79.7			Saturated at 12.0' bgs. Dark gray fine to medium SAND, trace to little fine gravel, odor, sheens and possible NAPL, saturated.
15		(14-16') L41B1416		2 3	9	1.4	212.0			

Well Construction



Locking, 4-in diameter steel protective casing 2.55' above ground surface

Well cap

Cement seal ground surface to 1.0' bgs

Bentonite seal 1.0' to 3.3' bgs

2-inch schedule 40 PVC well casing to 5.2' bgs

Grade #2 Silica sand pack 3.3' to 19.2' bgs

2-in diameter, 0.010-in slotted schedule 40 PVC well screen 5.2' to 19.7' bgs

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Remarks:

Soil samples obtained from 10' to 20' bgs submitted for PCB analyses.

Water Levels

Date / Time	Elevation	Depth

Site:
Lyman Street Parking Lot Site
Pittsfield, Massachusetts

Client:
General Electric Company

Well No. LS-41

Total Depth = 20.2 ft.

DEPTH	ELEVATION	Sample Depth Sample Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description	Well Construction
		(14-16') L41B1416		6 8	9	1.4	212.0				Grade #2 Silica sand pack 3.3' to 19.2' bgs
		(16-18') L41B1618		4 7 9 8	16	2.0	162.0			Dark gray fine to coarse SAND, trace to little fine gravel, odor, sheens and possible NAPL, saturated.	2-in diameter, 0.010-in slotted schedule 40 PVC well screen 5.2' to 19.7' bgs
		(18-20') L41B1820		10 13 15 12	28	1.4	118.0				
20										Brown SILT, little fine sand, trace fine gravel, moist.	2-in diameter, schedule 40 PVC sump 19.7' bgs to 20.2' bgs.
										Bottom of boring at 20.2' bgs.	
25											
30											
35											

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Remarks:
Total depth of well 20.2' bgs

Water Levels

Date / Time	Elevation	Depth

Project: 201.14.011
Script: BBL-wel2
Date: 05/28/98

Date Start/Finish: 04/23/96 - 04/23/96 **Drilling Company:** Parratt Wolff, Inc. **Driller's Name:** Arnold Chappel/Mick Marshall **Drilling Method:** Hollow Stem Auger **Bit Size:** **Auger Size** : 4.25" ID **Rig Type:** Ingersoll Rand A-200 **Spoon Size:** 2" OD **Hammer Weight:** NA-lb **Height of Fall:** NA-in.	**Northing:** 532535.856 **Easting:** 130684.255 **Borehole Depth:** 24 ft. **Ground Surface Elev.:** 982.82 ft. **Descriptions by:** Ronald D. Kuhn	**Boring No. LS-42** **Client:** General Electric Company **Site:** Lyman Street Parking Lot Site Pittsfield, Massachusetts

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description	Boring Construction
gs elevation 982.82 ft.										**GROUND SURFACE**	
		(0-2') L42B0002		NA	NA	1.4	0.6			Black Asphalt. Brown fine to medium SAND and fine to medium GRAVEL, damp. Dark brown fine to medium SAND, trace Silt and fine Gravel, damp.	
	980	(2-4') L42B0204		NA	NA	0.4	0.0			Trace red brick. Moist.	
5		(4-6') L42B0406		NA	NA	0.5	0.0			**Fill/Native Boundary 6.0' bgs.**	Type 1 portland cement/5% bentonite grout 0' to 24.0' bgs
		(6-8') L42B0608		NA	NA	0.2	0.0			Brown fine to medium SAND, trace Silt, wet.	
	975	(8-10') L42B0810		NA	NA	1.4	0.0			Dark gray fine to medium SAND, trace Silt, saturated.	
10		(10-12') L42B1012		NA	NA	1.6	0.0				
	970	(12-14') L42B1214		NA	NA	2.0	0.0				
15		(14-16') L42B1416		NA	NA	1.3	1.2			Dark gray fine to coarse SAND, trace fine to medium Gravel, saturated.	

Remarks:

Submitted sample L42B2022 for Appendix IX+3 analyses. All other samples submitted for PCB analyses.

Saturated Zones

Date / Time	Elevation	Depth

)-8

Site:
Lyman Street Parking Lot Site
Pittsfield, Massachusetts

Client:
General Electric Company

Boring No. LS-42

Total Depth = 24 ft.

DEPTH	ELEVATION	Sample Run Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description	Boring Construction
		(14-16') L42B1416			NA	1.3	1.2			Dark gray fine to coarse SAND, trace fine to medium Gravel, saturated (no odor or sheen encountered).	Type 1 portland cement/5% bentonite grout 0' to 24.0' bgs
	985	(16-18') L42B1618		NA	NA	1.3	0.0				
20		(18-20') L42B1820		NA	NA	2.0	0.0				
		(20-22') L42B2022		NA	NA	2.0	0.6				
	980	(22-24') L42B2224		NA	NA	2.0	0.0			Brown SILT, trace fine SAND, medium stiff, moist.	
25										Bottom of boring at 24.0' bgs	
	955										
30											
	950										
35											

Remarks:
Boring grouted to grade upon completion. NA = Not applicable due to direct push sampling method.

Saturated Zones

Date / Time	Elevation	Depth

2 / 9

Date Start/Finish: 04/24/96 / 04/24/96 **Drilling Company:** Parratt Wolff, Inc. **Driller's Name:** Arnold Chapel/Mick Marshall **Drilling Method:** Hollow Stem Auger **Bit Size:** **Auger Size**: 4.25" ID **Rig Type:** Ingersoll Rand A-200 **Spoon Size:** 2" OD	**Northing:** 532463.028 **Easting:** 130718.211 **Well Casing Elev.:** 981.17 ft. **Corehole Depth:** **Borehole Depth:** 26.0 ft. **Ground Surface Elev.:** 981.4 ft. **Descriptions by:** Ronald D. Kuhn	**Well No.** LS-43 **Client:** General Electric Company **Site:** Lyman Street Parking Lot Site Pittsfield, Massachusetts

DEPTH	ELEVATION	Sample Depth Sample Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description	Well Construction
gs elevation 981.4 ft.										GROUND SURFACE	8-in diameter steel protective curb box with sand drain, locking well cap installed; Cement pad
	980	(0-2') L43B0002		NA	NA	0.8	0.0			Black Asphalt. Brown fine to medium SAND and fine to medium GRAVEL, trace Silt, trace to little red brick, damp.	Grade #0 Morie silica sand drain 0.6' to 1.0' bgs
		(2-4') L43B0204		NA	NA	0.4	0.0			Coarse Gravel in tip of spoon.	
5		(4-6') L43B0406		NA	NA	1.3	0.0			Brown fine to medium SAND, trace fine to medium Gravel and Silt, trace red brick and glass.	Type 1 portland cement/5% bentonite grout 1.0' to 12.5' bgs
	975	(6-8')		NA	NA	NR	NR			Splitspoon refusal, no Recovery. Coarse Gravel in tip of spoon. Wet at tip of spoon.	
		(8-10') L43B0810		NA	NA	0.2	LR			Brown fine to medium SAND, trace fine to medium Gravel and Silt, trace red brick, saturated. **Fill/Native Boundary 10.0' bgs.**	2-in diameter schedule 40 PVC well casing 0.5' to 16.7' bgs
10	970	(10-12') L43B1012		NA	NA	1.4	0.0			Gray fine to medium SAND, trace Silt, loose, saturated.	
		(12-14') L43B1214		NA	NA	1.4	0.0			Gray fine to medium SAND, trace Silt and fine Gravel, loose, saturated.	Bentonite seal 12.5' to 14.5' bgs
15		(14-16') L43B1416		NA	NA	2.0	0.0				

Remarks:

Submitted sample L43B2224 for Appendix IX+3 analyses. All other samples submitted for PCB analyses.

Water Levels

Date / Time	Elevation	Depth
4/26/96 @0845	973.68	8.09

Site:
Lyman Street Parking Lot Site
Pittsfield, Massachusetts

Client:
General Electric Company

Well No. LS-43

Total Depth = 26.0 ft.

Sample Depth / Sample Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test
(14-16') L43B1416			NA	2.0	0.0	
(16-18') L43B1618		NA	NA	1.2	0.0	
(18-20') L43B1820		NA	NA	1.2	0.0	
(20-22') L43B2022		NA	NA	1.6	0.7	
(22-24') L43B2224		NA	NA	1.8	286.0	
(24-26') L43B2426		NA	NA	2.0	260.0	

DEPTH: 20, 25, 30, 35
ELEVATION: 985, 980, 955, 950

Stratigraphic Description

Gray fine to coarse SAND, trace fine to medium Gravel and Silt, medium dense, saturated.

Sheen and odor.

Sheen and odor.

Brown Silt, trace fine Sand, medium stiff, moist.

Bottom of boring at 26.0' bgs

Well Construction

2-in diameter schedule 40 PVC well casing 0.5' to 16.7' bgs

Grade #0 Morie silica sand pack 14.5' to 25.5' bgs

2-in diameter, 0.010-in slotted schedule 40 PVC well screen 16.7' to 26.2' bgs

Undisturbed native SILT

2.3-in OD, schedule 40 PVC sump and base of 2.3-in OD monitoring well pushed into pilot hole in silt advanced with 2.0-in OD split spoon. Sump and unscreened portion of screen 26.2' to 26.5' bgs.

Remarks:

Total depth of well 26.5' bgs. NR = Splitspoon refusal, no recovery. LR = Low recovery. NA = Not applicable due to direct push sampling method.

Water Levels

Date / Time	Elevation	Depth
4/26/96 @0845	973.68	8.09

Project: 20114.011 Script: BBL-wel2 Date: 05/28/96

Date Start/Finish: 04/24/96 / 04/24/96 **Drilling Company:** Parratt Wolff, Inc. **Driller's Name:** Arnold Chapel/Mick Marshall **Drilling Method:** Hollow Stem Auger **Bit Size:** **Auger Size**: 4.25" ID **Rig Type:** Ingersoll Rand A-200 **Spoon Size:** 2" OD	**Northing:** 532395.071 **Easting:** 130746.018 **Well Casing Elev.:** 980.78 ft. **Corehole Depth:** **Borehole Depth:** 26.0 ft. **Ground Surface Elev.:** 981.3 ft. **Descriptions by:** Ronald D. Kuhn	**Well No.** LS-44 **Client:** General Electric Company **Site:** Lyman Street Parking Lot Site Pittsfield, Massachusetts

DEPTH	ELEVATION	Sample Depth / Sample Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Stratigraphic Description
gs elevation 981.3 ft.									**GROUND SURFACE**
	980	(0-2') L44B0002		NA	NA	0.6	1.3		Black Asphalt. Brown fine to medium SAND, little fine to medium GRAVEL, trace red brick and glass, damp.
		(2-4') L44B0204		NA	NA	0.2	0.6		
5		(4-6') L44B0406		NA	NA	0.2	0.0		Trace slag and porcelain. **Fill/Native Boundary 6.0' bgs.**
	975	(6-8') L44B0608		NA	NA	1.4	0.3		Brown SILT with decomposed natural organic material and fine SAND, trace roots, damp. Brown fine SAND, moist.
		(8-10') L44B0810		NA	NA	0.6	0.6		Brown SILT and fine SAND, trace roots, damp. Moist. Wet.
10	970	(10-12') L44B1012		NA	NA	1.4	0.0		Dark gray fine to medium SAND, trace roots, moist to wet.
		(12-14') L44B1214		NA	NA	2.0	0.0		Dark gray fine SAND and SILT, trace roots, saturated.
15		(14-16') L44B1416		NA	NA	0.8	0.0		Dark gray fine to medium SAND, trace fine Gravel, saturated.

Well Construction

- 8-in diameter steel protective curb box with sand drain, locking well cap installed
- Cement pad
- Grade #0 Morie silica sand drain 0.6' to 1.0' bgs
- Type 1 portland cement/5% bentonite grout 1.0' to 12.5' bgs
- 2-in diameter schedule 40 PVC well casing 0.5' to 16.7' bgs
- Bentonite seal 12.5' to 14.5' bgs

Remarks:

Submitted sample L44B2224 for Appendix IX+3 analyses. All other samples submitted for PCB analyses.

Water Levels

Date / Time	Elevation	Depth
4/26/96 @1040	973.23	8.05

Site:
Lyman Street Parking Lot Site
Pittsfield, Massachusetts

Client:
General Electric Company

Well No. LS-44

Total Depth = 26.0 ft.

Sample Depth / Sample Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test
(14-16') L44B1416			NA	0.8	0.0	
(16-18') L44B1618		NA	NA	2.0	0.0	
(18-20') L44B1820		NA	NA	2.0	0.0	
(20-22') L44B2022		NA	NA	2.0	0.0	
(22-24') L44B2224		NA	NA	2.0	3.9	
(24-26') L44B2426		NA	NA	2.0	2.6	

Depth scale: 20, 25, 30, 35. Elevation scale: 985, 980, 955, 950.

Stratigraphic Description

Dark gray fine to medium SAND, trace fine Gravel, saturated.

Trace shells.

Dark gray fine to coarse SAND, little fine Gravel and Silt, saturated.

Brown fine SAND, saturated.

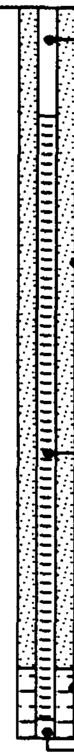
Dark gray fine to medium SAND, trace coarse Sand and fine Gravel, saturated.

Dark gray fine to coarse SAND, little fine to medium Gravel, saturated (no odor or sheen encountered).

Brown Silt, trace fine Sand, medium stiff, moist.

Bottom of boring at 26.0' bgs

Well Construction



Remarks:

Total depth of well 26.5' bgs. NA = Not applicable due to direct push sampling method.

Water Levels

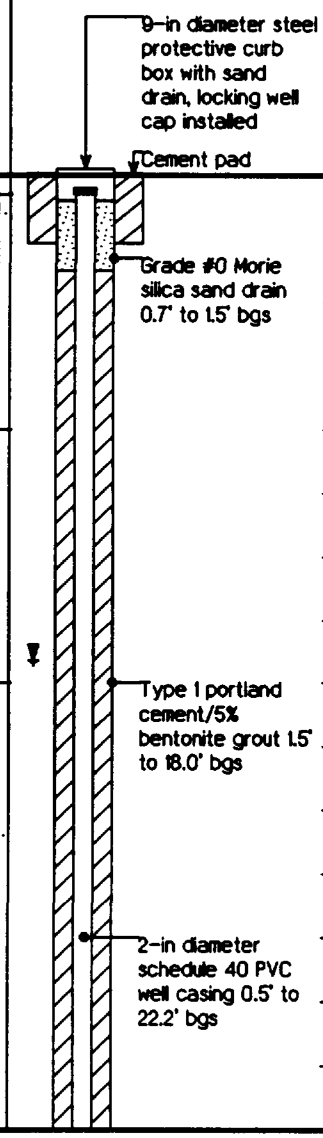
Date / Time	Elevation	Depth
4/26/98 @1040	973.23	8.05

Project: 20114.011 Script: BBL-well2 Date: 05/28/98

Date Start/Finish: 04/25/96 / 04/25/96 **Drilling Company:** Parratt Wolff, Inc. **Driller's Name:** Arnold Chapel/Mick Marshall **Drilling Method:** Hollow Stem Auger **Bit Size:** **Auger Size**: 4.25" ID **Rig Type:** Ingersoll Rand A-200 **Spoon Size:** 2" OD	**Northing:** 532362.278 **Easting:** 130651.079 **Well Casing Elev.:** 980.25 ft. **Corehole Depth:** **Borehole Depth:** 32.0 ft. **Ground Surface Elev.:** 980.6 ft. **Descriptions by:** Ronald D. Kuhn	**Well No.** LS-45 **Client:** General Electric Company **Site:** Lyman Street Parking Lot Site Pittsfield, Massachusetts

DEPTH	ELEVATION	Sample Depth / Sample Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test	Geologic Column	Stratigraphic Description
gs elevation 980.6 ft.										GROUND SURFACE
	980	(0-2') L45B0002		NA	NA	1.8	1.9			Black Asphalt. Brown fine to medium SAND, trace fine Gravel and Silt, damp. Brown fine to coarse SAND, trace fine Gravel and Silt, slight odor, damp.
		(2-4') L45B0204		NA	NA	0.5	1.9			No odor.
5	975	(4-6') L45B0406		NA	NA	2.0	2.9			Dark brown fine SAND and organic SILT, trace roots, slight odor, damp. Trace fine Gravel.
		(6-8') L45B0608		NA	NA	2.0	2.6			
		(8-10') L45B0810		NA	NA	1.6	5.3			Dark gray fine SAND, little Silt, trace roots, moist to wet. Strong odor.
10	970	(10-12') L45B1012		NA	NA	2.0	65.0			Dark gray fine to medium SAND, trace coarse Sand and Silt, strong odor, saturated. Trace fine Gravel.
		(12-14') L45B1214		NA	NA	2.0	38.8			
15		(14-16') L45B1416		NA	NA	1.4	4.9			Odor.

Well Construction



Remarks:
Submitted sample L45B1012 for Appendix IX+3 analyses. All other samples submitted for PCB analyses.

Water Levels

Date / Time	Elevation	Depth
4/26/96 @1225	973.1	7.65

Site:
Lyman Street Parking Lot Site
Pittsfield, Massachusetts

Client:
General Electric Company

Well No. LS-45

Total Depth = 32.0 ft.

DEPTH	ELEVATION	Sample Depth Sample Number	Sample/Int/Type	Blows/6 In.	N	Recovery (ft.)	PID (ppm) Headspace	Geotechnical Test
	985	(14-16') L45B1416			NA	1.4	4.9	
		(16-18') L45B1618		NA	NA	1.6	11.2	
		(18-20') L45B1820		NA	NA	2.0	1.9	
20	980	(20-22') L45B2022		NA	NA	2.0	1.3	
		(22-24') L45B2224		NA	NA	2.0	0.6	
25	955	(24-26') L45B2426		NA	NA	2.0	2.9	
		(26-28') L45B2628		NA	NA	2.0	0.3	
		(28-30') L45B2830		NA	NA	2.0	0.6	
30	950	(30-32') L45B3032		NA	NA	2.0	1.6	
35								

Stratigraphic Description

Dark gray fine to medium SAND, trace coarse Sand and Silt, strong odor, saturated.

Dark gray fine to coarse SAND, little fine to medium Gravel, trace Silt, saturated.

Dark gray fine SAND, trace Silt, saturated.

Silt in tip of spoon.

Dark gray fine to coarse SAND, trace fine Gravel, saturated.

Trace medium Gravel.

Brown Silt, trace fine Sand and fine to medium Gravel, stiff, moist.

Bottom of boring at 32.0' bgs

Well Construction

Type I portland cement/5% bentonite grout 1.5' to 18.0' bgs

2-in diameter schedule 40 PVC well casing 0.5' to 22.2' bgs

Bentonite seal 18.0' to 20.0' bgs

Grade #0 Morie silica sand pack 20.0' to 31.4' bgs

2-in diameter, 0.010-in slotted schedule 40 PVC well screen 22.2' to 31.7' bgs

Undisturbed native SILT

2.3-in OD, schedule 40 PVC sump and base of monitoring well 31.7' to 32.0' bgs.

Remarks:

Total depth of well 32.0' bgs. NA = Not applicable due to direct push sampling method.

Water Levels

Date / Time	Elevation	Depth
4/26/98 @1225	973.1	7.65

Project: 20114.011

Script: BBL-wel2
Date: 05/28/98

APPENDIX C

PHOTOIONIZATION DETECTOR RESULTS FOR SOIL SAMPLES 1986-1996

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APPENDIX C-1

SUMMARY OF HNU MEASUREMENTS FOR VOLATILE ORGANIC COMPOUNDS IN SOIL CORES, COLLECTED DURING AUGUST 18-19, 1986 AS PRESENTED IN GERAGHTY & MILLER, NOVEMBER 1986, REPORT ENTITLED "SOIL AND GROUNDWATER QUALITY INVESTIGATION AT THE GENERAL ELECTRIC, LYMAN STREET, PITTSFIELD, MASSACHUSETTS"

Table 1. Summary of HNU Measurements of Volatile Organic Compounds in Soil Cores, Lyman Street Site, Pittsfield, Massachusetts.

Boring Number	Sample Number	Depth Below Ground Surface (ft)	HNU Reading (ppm)	Background Level (ppm)
B-1	S-1	0 - 2	1.0	0.4
	S-2	2 - 4	0.8	0.4
	S-3	4 - 6	1.0	0.4
	S-4	6 - 8	0.6	0.4
	S-5	8 - 10	0.6	0.4
	S-6	10 - 12	0.5	0.4
	S-7	12 - 14	0.6	0.4
	S-8	14 - 16	0.5	0.4
B-2	S-1	0 - 2	0.4	0.4
	S-2	2 - 4	0.4	0.4
	S-3	4 - 6	0.4	0.4
	S-4	6 - 8	1.0	0.4
	S-5	8 - 10	0.8	0.4
	S-6	10 - 12	2.0	0.4
	S-7	12 - 14	1.5	0.4
B-3	S-1	0 - 2	0.2	0.2
	S-2	2 - 4	0.3	0.2
	S-3	4 - 6	0.4	0.2
	S-4	6 - 8	0.4	0.2
	S-5	8 - 10	0.3	0.2
	S-6	10 - 12	0.4	0.2
B-4	S-1	0 - 2	0.4	0.2
	S-2	2 - 4	0.4	0.2
	S-3	4 - 6	0.4	0.2
	S-4	6 - 8	0.4	0.2
	S-5	8 - 10	0.4	0.2
	S-6	10 - 12	0.4	0.2

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APPENDIX C-2

SUMMARY OF TIP MEASUREMENTS FOR VOLATILE ORGANIC COMPOUNDS IN SOIL CORES, COLLECTED DURING NOVEMBER 10-11, 1986 AS PRESENTED IN GERAGHTY & MILLER, JANUARY 1987, REPORT ENTITLED "ENVIRONMENTAL ASSESSMENT OF GENERAL ELECTRIC PROPERTY IN THE VICINITY OF LYMAN STREET, PITTSFIELD, MASSACHUSETTS"

Table 1. Summary of TIP Measurements for Volatile Organic Compounds in Soil Cores, Collected During November 10-11, 1986, Lyman Street Site, Pittsfield, Massachusetts.

Boring Number	Sample Number	Depth Below Ground Surface (ft)	TIP Reading (ppm)	Background Level (ppm)
B-1	S-1	0 - 2	1.7	1.7
	S-2	2 - 4	1.0	1.0
	S-3	4 - 6	1.0	1.0
	S-4	6 - 8	1.0	1.0
	S-5	8 - 10	0.5	0.5
	S-6	10 - 12	4.0	4.0
	S-7	12 - 14	3.7	3.2
	S-8	14 - 16	1.6	0.5
	S-9	16 - 18	1.1	1.0
B-2	S-1	0 - 2	1.8	1.8
	S-2	2 - 4	1.8	1.8
	S-3	4 - 6	3.4	2.7
	S-4	6 - 8	4.0	4.0
	S-5	8 - 10	0.0	0.0
	S-6	10 - 12	0.0	0.0
	S-7	12 - 14	0.4	0.2
	S-8	14 - 16	0.2	0.1
	S-9	16 - 18	0.0	0.1
B-3	S-1	0 - 2	0.5	0.4
	S-2	2 - 4	0.9	0.9
	S-3	4 - 6	0.8	0.8
	S-4	6 - 8	1.6	1.4
	S-5	8 - 10	1.4	1.4
	S-6	10 - 12	1.4	1.4
	S-7	12 - 14	1.4	1.4
	S-8	14 - 16	1.2	1.2
	S-9	16 - 18	1.2	1.2
B-4	S-1	0 - 2	0.1	0.1
	S-2	2 - 4	0.1	0.1
	S-3	4 - 6	0.1	0.1
	S-4	6 - 8	0.1	0.1
	S-5	8 - 10	0.1	0.1
	S-6	10 - 12	0.1	0.1
	S-7	12 - 14	0.1	0.1
	S-8	14 - 16	0.1	0.1

Table 1. (continued)

Boring Number	Sample Number	Depth Below Ground Surface (ft)	TIP Reading (ppm)	Background Level (ppm)
B-5	S-1	0 - 2	0.1	0.1
	S-2	2 - 4	0.2	0.2
	S-3	4 - 6	0.3	0.2
	S-4	6 - 8	0.1	0.1
	S-5	8 - 10	0.1	0.1
	S-6	10 - 12	0.1	0.1
	S-7	12 - 14	0.2	0.3
	S-8	14 - 16	0.2	0.1

APPENDIX C-3

SUMMARY OF HNU MEASUREMENTS FOR SOIL SAMPLES COLLECTED DURING MAY 1987, AS PRESENTED IN GERAGHTY & MILLER, JUNE 18, 1987 LETTER REPORT TO GE

Table 2. Summary of HNu Measurements for Soil Samples Collected at the Lyman Street site, General Electric Company, Pittsfield, Massachusetts.

Sample Interval (feet)	Soil Boring Number and HNu Results (ppm)[a]					
	SB-1	SB-2	SB-3	SB-4	SB-5	SB-6
0 - 2	0	0	0	0	11	0
2 - 4	0	0	0	0	0.1	0
4 - 6	0	0	0	0	0	0
6 - 8	0	0	0	0	0.1	0
8 - 10	0	0	0	0	0	0
10 - 12	0	0	0	0	25	0
12 - 14	0	0	0	0	70	0
14 - 16	0	0	1	0	20	0.1
16 - 18	-	0	0	0.1	0	0
18 - 20	-	0	0	0	0	0

a) These values are qualitative only and do not represent the absolute concentrations of any volatile organic compound in the soil core, whether the compound is natural or man- made.

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APPENDIX C-4

PHOTOIONIZATION DETECTOR RESULTS FOR SOIL SAMPLES COLLECTED AUGUST 1989, AS PRESENTED IN GERAGHTY & MILLER, NOVEMBER 9, 1989, LETTER REPORT TO GE

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Table 14. Photoionization Detector Results for Soil Samples Collected at the Lyman Street and Newell Street Parking Lots, General Electric Company, Pittsfield, Massachusetts.

Boring No.	Sample Interval (feet)	HNU Results (ppm)
Lyman Street		
-1	0-2	0
LS-1	2-4	0
'S-1	4-6	6
-1	6-8	1
S-1	8-10	2
LS-1	10-12	0
-1	12-14	0
-1	14-16	0
S-2	0-4	1
-2	4-8	1
S-2	8-12	120
LS-2	12-16	250
-2	16-18	300
-2	18-22	14
LS-3	0-2	6
I -3	2-4	6
L-3	4-6	55
LS-3	6-8	172
I -3	8-10	400
I -3	10-12	620
LS-3	12-14	220
LS-3	14-16	45
L 3	16-18	20
L-3	18-20	64
L 4	0-6	2
L 4	6-12	75
LS-4	12-18	145
LS-4	18-22	600
L-5	0-6	2
LS-5	6-12	1
L	12-18	0

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APPENDIX C-5

SUMMARY OF PHOTOIONIZATION DETECTOR RESULTS FOR SOIL SAMPLES COLLECTED SEPTEMBER 14 THROUGH 21, 1990 AS PRESENTED IN GERAGHTY & MILLER, MARCH 1991, AMENDED REPORT ON THE HOUSATONIC RIVER OXBOW AREA D

Table 1. **Summary of Photoionization Detector Results for Soil Samples Collected at, GE Area D, Lyman Street, September 14 through 21, 1990, Pittsfield, Massachusetts.**

SAMPLE LOCATION	DEPTH (FEET) AND CORRELATING OVM RESULTS (ppm)[a]												
	(0-2)	(2-4)	(4-6)	(6-8)	(8-10)	(10-12)	(12-14)	(14-16)	(16-18)	(18-20)	(20-22)	(22-24)	(24-26)
LS-7	0.4	0.4	1	1	1	0.4	0.8	7	2	NA	NA	NA	NA
LS-8	43	120	56	8	52	254	300	315	327	285	124	35	NA
LS-9	0	0	0	0	0	0	9	53	11	8	NA	NA	NA
LS-10	0	0	0	0	0	0	0	0	0	0	0	0	NA
LS-11	0	0	3	2	58	53	35	20	15	0	0	0.6	NA
LS-12	0	0	0	0	0	0	0	0	0	137	133	38	38
LS-13	0	35	18	9	4	31	52	232	83	92	4	14	2

[a] These results are qualitative only and do not represent the absolute concentrations of any volatile organic compound in the soil core, whether the compound is natural or man-made.

NA Not Applicable-boring did not extend to this depth.

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APPENDIX C-6

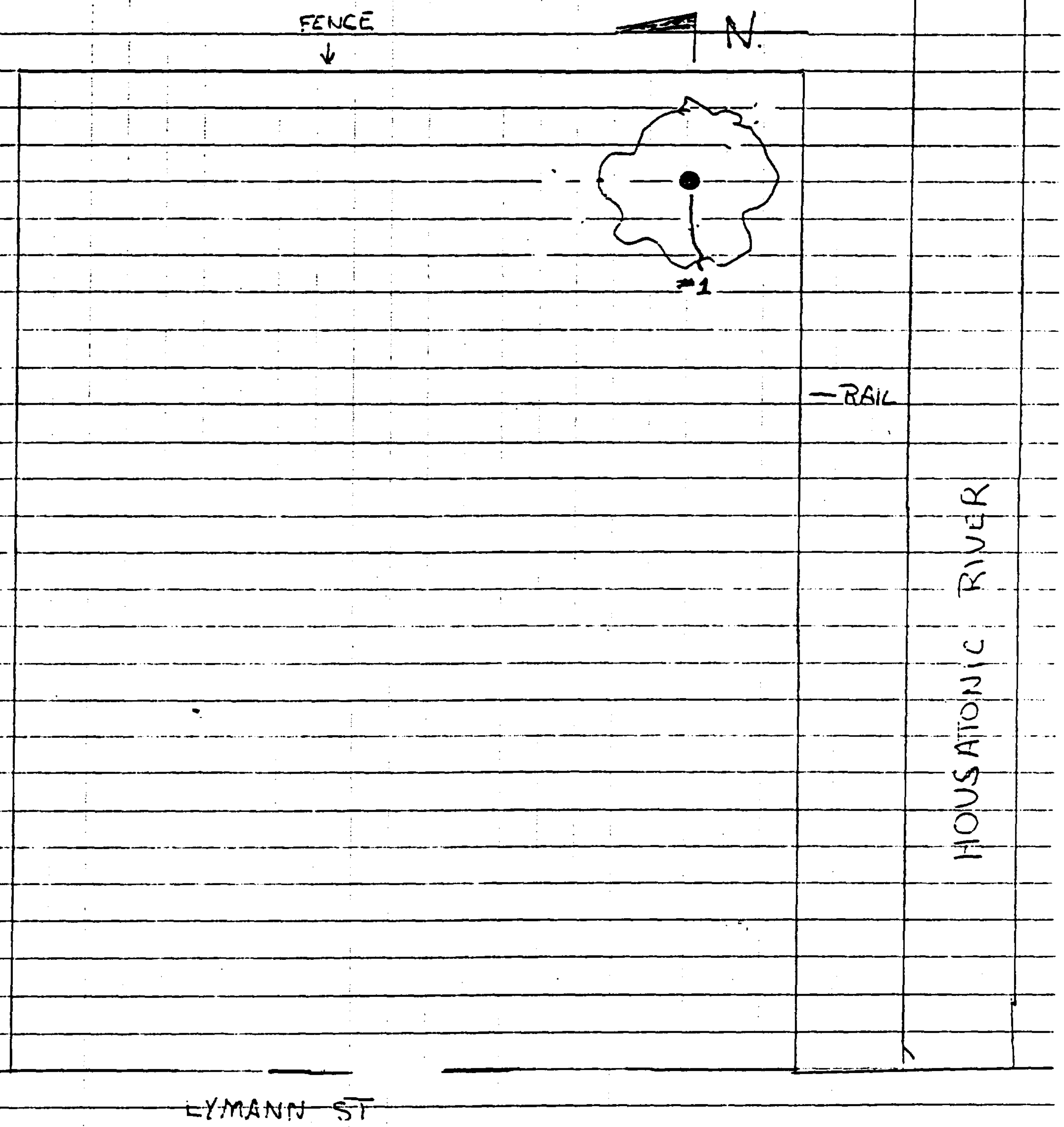
PHOTOIONIZATION DETECTOR RESULTS FOR MISCELLANEOUS INVESTIGATIONS PERFORMED JUNE 26, 1991

BLASLAND, BOUCK & LEE

[illegible]CT	PROJ NO.	BY	DATE	SHEET
[illegible]NN ST. PARKING LOT FENCE EXCAVATION SAMPLING	101.75.22	A.G.P.	6-26-91	1 of 1

FIGURE #1

NOT TO SCALE



LYMANN ST. PARKING LOT FENCE
EXCAVATION SAMPLING
● — SAMPLE LOCATION
101.75.22

BLASLAND & BOUCK ENGINEERS, P.C.

HEAD SPACE SCREENING

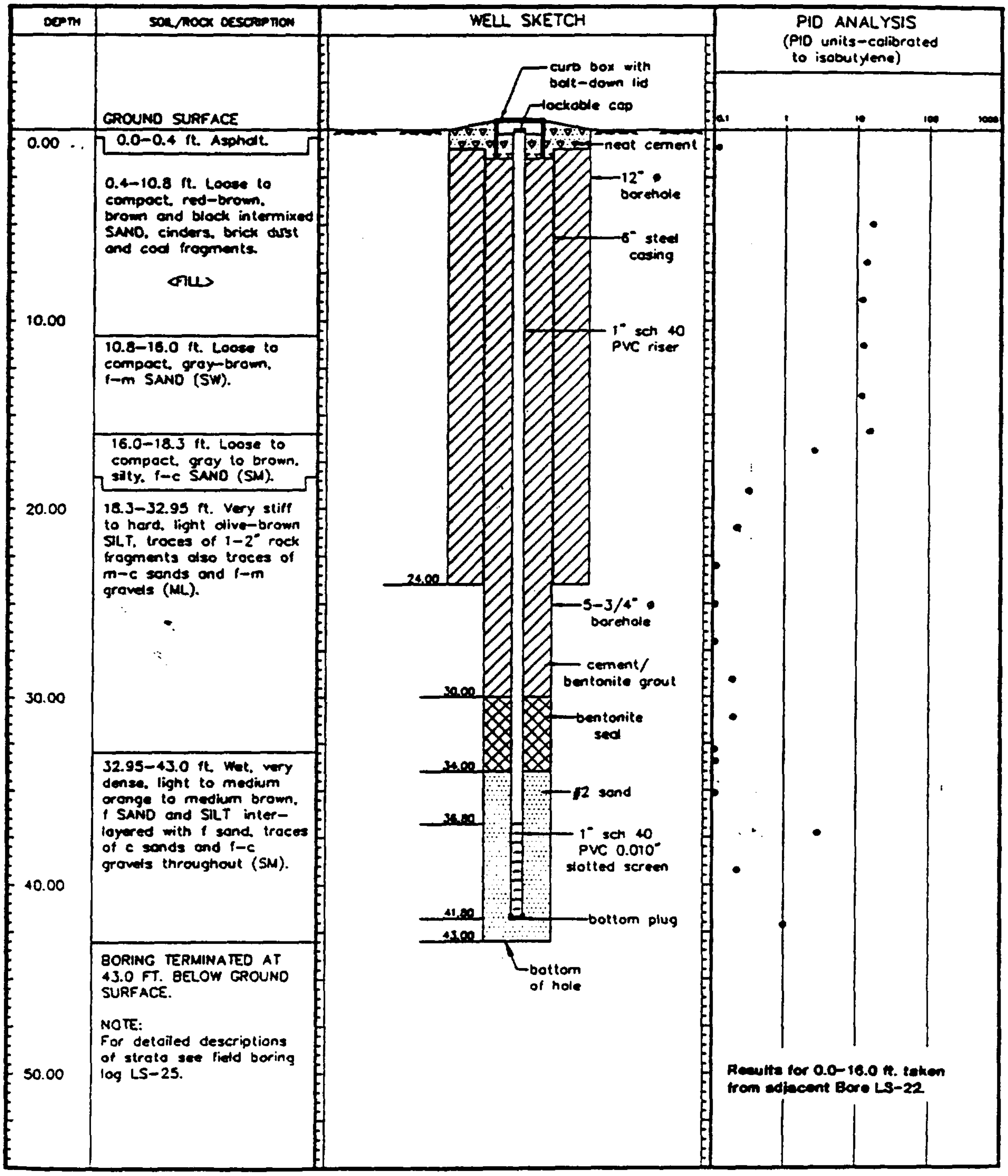
DATE: 6-26-91
OPERATOR: AL PEART

SAMPLE LOCATION LYMANN ST. PARKING LOT FENCE EXCAVATION (SOIL) SAMPLING 101.75.22	HNU READING SAMPLE A (ppm)	HNU READING SAMPLE B (ppm)	HNU READING AVERAGE OF SAMPLE A&B
LSPLFE- C1	8.2	8.4	8.3

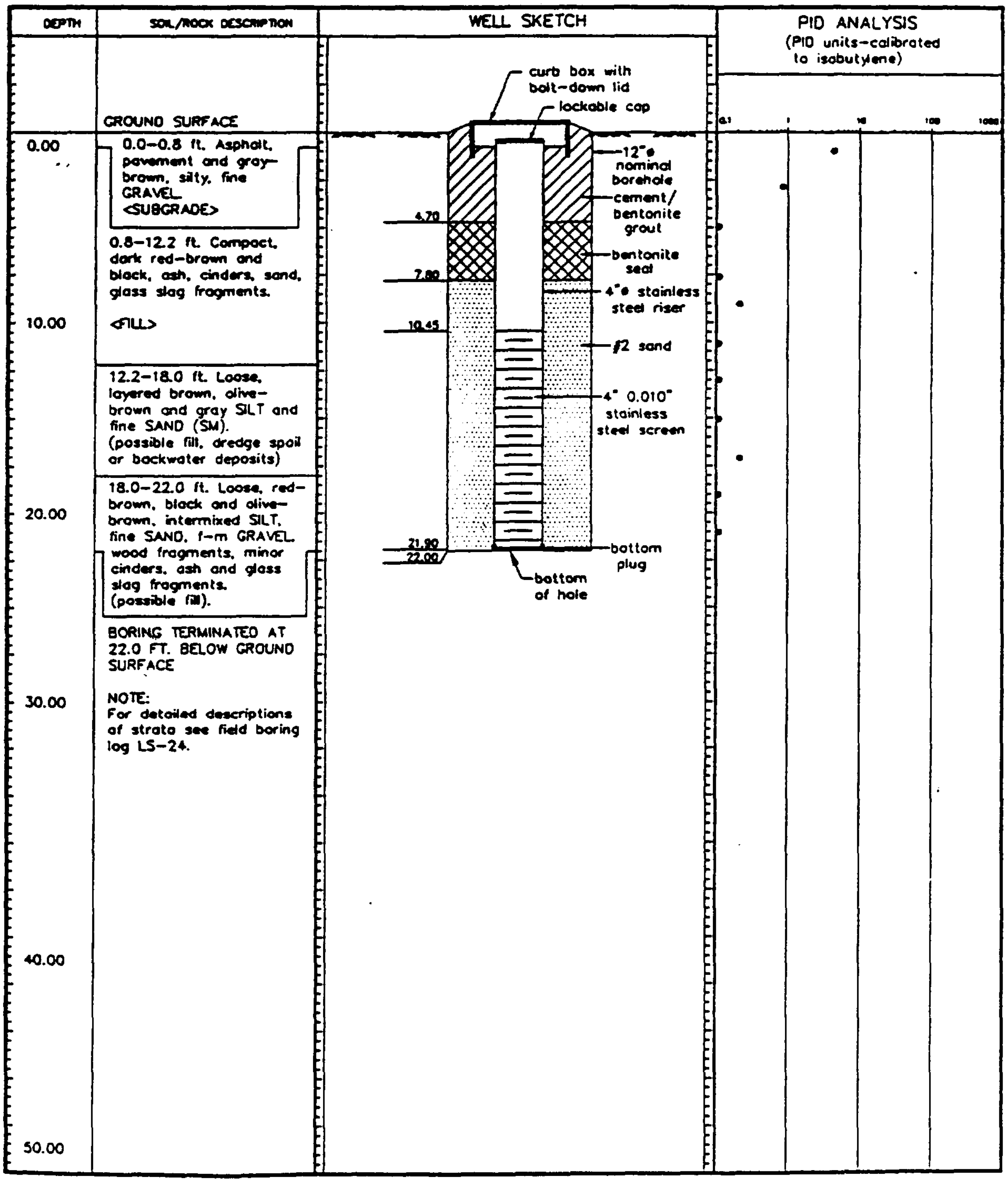
APPENDIX C-7

SUMMARY OF PHOTOIONIZATION RESULTS FOR SAMPLES COLLECTED OCTOBER AND NOVEMBER 1991, AS PRESENTED IN GOLDER ASSOCIATES, INC., JANUARY 1992 REPORT ENTITLED "ADDITIONAL HYDROGEOLOGIC ASSESSMENT AND SHORT-TERM MEASURE EVALUATION AND PROPOSAL, LYMAN STREET PARKING LOT (OXBOW AREA D), PITTSFIELD, MASSACHUSETTS"

GE, LYMAN STREET SITE
HEAD SPACE ANALYSIS
WELL LS-25



GE, LYMAN STREET SITE
HEAD SPACE ANALYSIS
WELL LS-24



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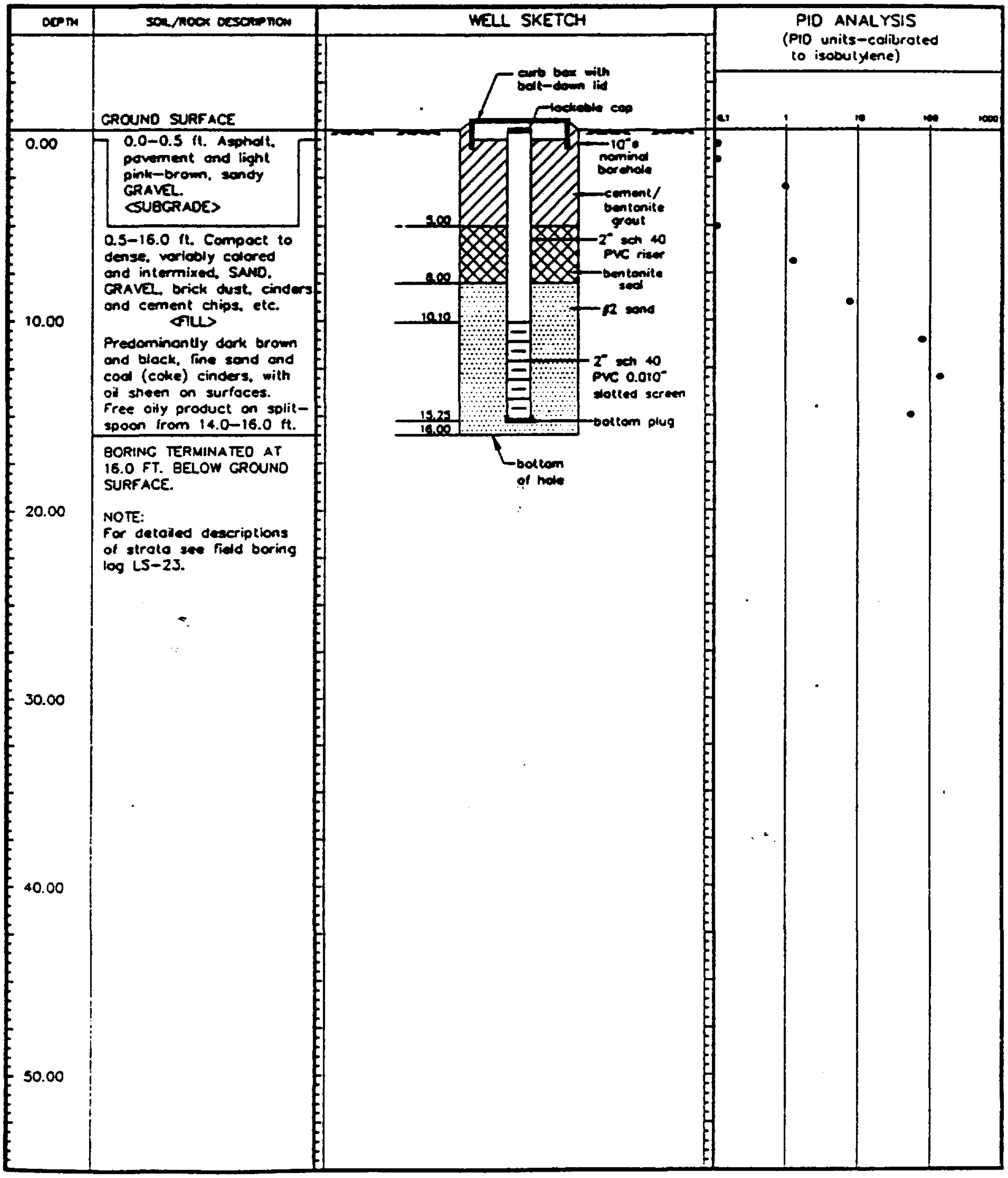
GE, LYMAN STREET SITE
HEAD SPACE ANALYSIS
WELL LS-23



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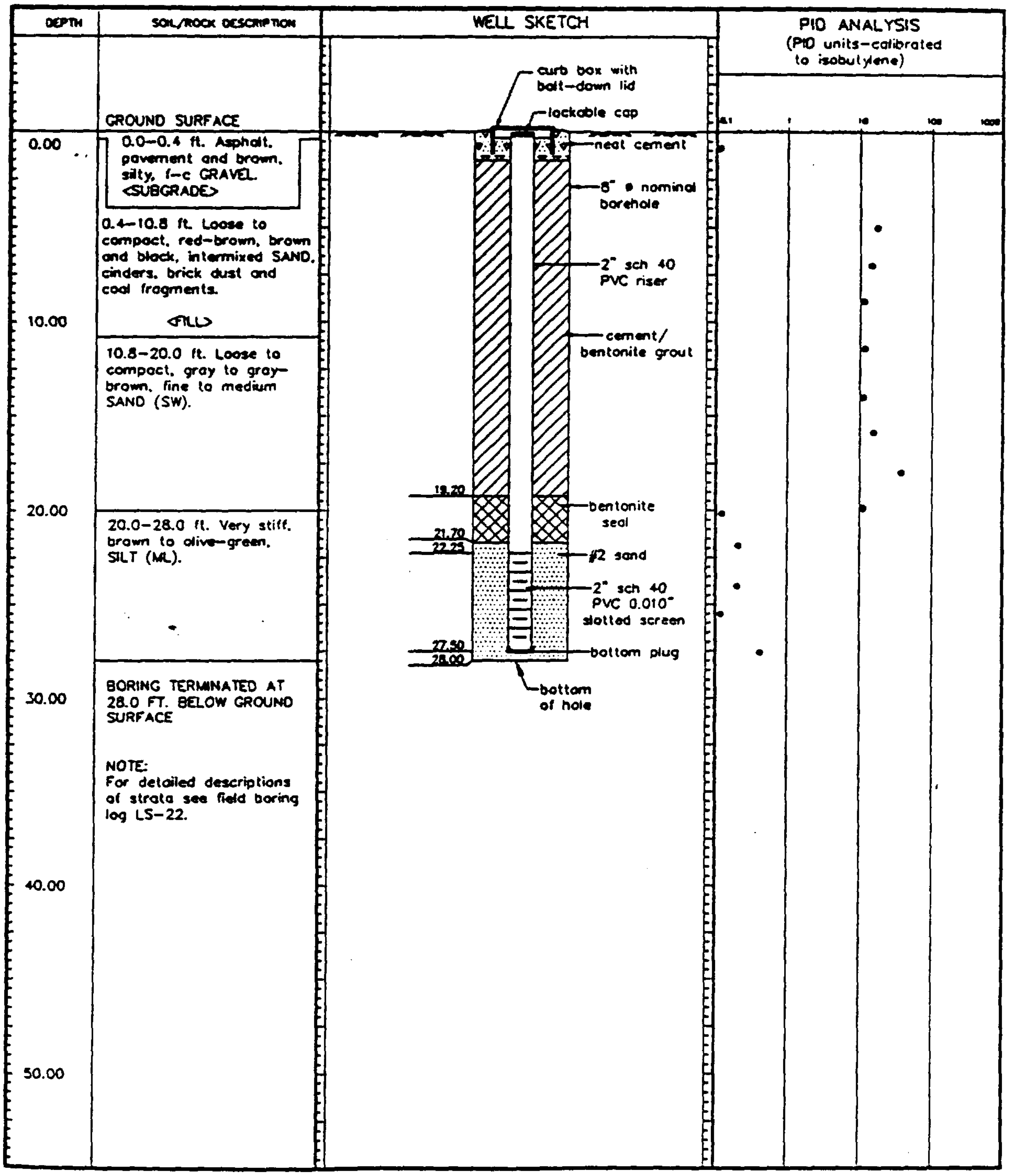
GE, LYMAN STREET SITE
HEAD SPACE ANALYSIS
WELL LS-22



APPENDIX C-8

SUMMARY OF PHOTOIONIZATION DETECTOR RESULTS FOR SOIL SAMPLES FROM OXBOW AREAS, AS PRESENTED IN "MCP PHASE I AND INTERIM PHASE II REPORT FOR FORMER HOUSATONIC RIVER OXBOW AREAS, A, B, C, E, F, J, AND K" DATED APRIL 1992

Table 5-1. Summary of Photoionization Detector (PID) Results for Soil Samples Collected from Housatonic River Oxbow Areas A, B, C, E, F, and K, January 31, 1991, November 4 through 22, 1991, and January 6, 1992, GE Company, Pittsfield, Massachusetts.

Well (W)/Boring (B) Location	Depth (Feet) and Corresponding PID Results (ppm)[a]											
	(0-2)	(2-4)	(4-6)	(6-8)	(8-10)	(10-12)	(12-14)	(14-16)	(16-18)	(18-20)	(20-22)	(22-24)
A-1(W)	0.3	0.1	13.4	3.7	4.3	1.8	14.3	12.0	3.4	1.8	12.2	15.6
A-2(B)	0.8	0.2	5.8	68.9	0.5	0.7	1.7	2.1	NA	NA	NA	NA
A-3(W)	0.0	0.7	1.1	1.1	0.7	2.1	3.8	3.0	2.0	0.8	2.0	NA
B-1(W)	0.0	0.0	16.8	0.0	0.0	0.0	0.4	0.0	0.4	0.0	NA	NA
B-2(W)	3.7	3.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0	NA	NA	NA
C-1(W)	0.0	0.0	0.3	0.4	0.1	1.5	1.2	1.3	1.3	1.2	1.2	1.0
C-2(W)	0.3	NS	0.1	0.7	2.1	4.2	16.2	0.7	NS	0.4	NA	NA
C-3(B)	0.5	1.7	1.4	0.2	0.0	0.0	0.0	NA	NA	NA	NA	NA
E-1(B)	0.0	0.4	0.6	0.0	0.0	16.1	0.0	0.0	0.0	0.0	0.0	0.0
E-1(W)	0.1	0.9	2.1	0.6	2.2	1.2	1.3	2.5	2.7	2.5	10.6	0.4
E-2(B)	0.0	0.0	4.7	11.6	29.3	2.1	12.8	17.1	28.0	10.0	7.3	NA
F-1(W)	0.2	1.4	0.0	2.8	0.2	0.2	1.0	0.0	5.8	NA	NA	NA
F-2(B)	0.4	3.4	0.1	0.3	8.4	1.3	NA	NA	NA	NA	NA	NA
K-1(B)	0.0	0.0	0.0	2.4	5.2	0.8	9.2	10.5	8.3	8.5	NA	NA
K-2(B)	0.0	0.0	7.4	22.6	42.0	NA	NA	NA	NA	NA	NA	NA

a) These results are semi-quantitative only.
NA Not applicable; boring did not extend to this depth.
NS No sample; sample was not collected due to insufficient volume of soil.

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APPENDIX C-9

PHOTOIONIZATION DETECTOR RESULTS FOR SAMPLES LS-GWP-1 THROUGH LS-GWP-32 COLLECTED FROM THE WMEC PARCEL DURING NOVEMBER 1994, DECEMBER 1994, AND FEBRUARY 1995

BLASLAND, BOUCK & LEE, INC.
PHOTOIONIZATION DETECTOR (PID) - HEAD SPACE SCREENING RESULT SHEET

Miscellaneous River Sampling - Lyman St. Groundwater Pipeline (Pre-Excavation Sampling

(201.24.07)

Date: 11-21-94
Operator: Jim Hassett

Sample Location	HNU Reading Sample A	HNU Reading Sample B	HNU Reading Average
1 (0-21")	0.4	0.2	0.3
1 (21-42")	1.4	1.2	1.3
2 (0-21")	0.4	0.4	0.4
2 (21-42")	8.4	10.4	9.4
3 (0-21")	1.4	1.0	1.2
3 (21-42")	1.2	1.2	1.2
4 (0-21")	1.8	1.6	1.7
4 (21-42")	1.6	1.4	1.5
5 (0-21")	1.4	1.2	1.3
5 (21-42")	2.6	11.4	7.0

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BLASLAND, BOUCK & LEE, INC.
PHOTOIONIZATION DETECTOR (PID) - HEAD SPACE SCREENING RESULT SHEET

Miscellaneous River Sampling - Lyman St. Groundwater Pipeline Sampling (0 - 6")

(201.24.07)

Date: 12-16-94
Operator: Jim Hassett

Sample Location	HNU Reading Sample A	HNU Reading Sample B	HNU Reading Average
6 (0 - 6")	0.2	0.4	0.3
7 (0 - 6")	0.2	0.2	0.2
8 (0 - 6")	0.2	0.2	0.2
9 (0 - 6")	0.1	0.1	0.1
10 (0 - 6")	0.1	0.3	0.2
11 (0 - 6")	0.4	0.4	0.4
12 (0 - 6")	0.2	0.2	0.2
13 (0 - 6")	0.3	0.3	0.3
14 (0 - 6")	0.2	0.2	0.2
15 (0 - 6")	0.1	0.1	0.1
16 (0 - 6")	0.0	0.0	0.0

BLASLAND, BOUCK & LEE, INC.
PHOTOIONIZATION DETECTOR (PID) -
HEAD SPACE SCREENING RESULT SHEET

Miscellaneous River Sampling -
Lyman St. Groundwater Pipeline
Property Sampling (0 - 6")

(201.24.07)

Operator: Jim Hassett

Sample Location	Date	HNU Reading Sample A	HNU Reading Sample B	HNU Reading Average
17 (0 - 6")	2-21-95	0.6	0.8	0.7
18 (0 - 6")	2-21-95	1.6	1.2	1.4
19 (0 - 6")	2-21-95	0.4	0.2	0.3
20 (0 - 6")	2-21-95	0.4	0.2	0.3
21 (0 - 6")	2-21-95	0.2	0.4	0.3
22 (0 - 6")	2-21-95	0.4	0.4	0.4
23 (0 - 6")	2-21-95	0.2	0.4	0.3
24 (0 - 6")	2-21-95	0.4	0.2	0.3
25 (0 - 6")	2-21-95	0.2	0.2	0.2
26 (0 - 6")	2-21-95	0.2	0.2	0.2
27 (0 - 6")	2-21-95	0.2	0.2	0.2
28 (0 - 6")	2-21-95	0.2	0.6	0.4
29 (0 - 6")	2-21-95	0.4	0.2	0.3
30 (0 - 6")	2-21-95	5.4	5.8	5.6
31 (0 - 6")	2-21-95	0.4	0.6	0.5
32 (0 - 6")	2-21-95	0.2	0.2	0.2

APPENDIX C-10

PHOTOIONIZATION DETECTOR RESULTS FOR MCP PHASE II/RCRA FACILITY INVESTIGATIONS PERFORMED DURING 1995-1996

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GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF PHOTOIONIZATION DETECTOR (PID) RESULTS
(Results Presented in Parts Per Million, ppm)

Location ID:	Depth (ft)	Date Sampled	PID Reading
E-3	0-2	08/09/95	15.6
	2-4	08/09/95	25.1
	4-6	08/09/95	6.1
	6-8	08/09/95	0.1
	8-10	08/09/95	NS
	10-12	08/09/95	0.1
	12-14	08/09/95	0.1
	14-16	08/09/95	0.5
	16-18	08/09/95	0
	18-20	08/09/95	0.5
	20-22	08/09/95	0
E-4	0-2	08/09/95	0.4
	2-4	08/09/95	0
	4-6	08/09/95	0
	6-8	08/09/95	0
	8-10	08/09/95	0
	10-12	08/09/95	0
	12-14	08/09/95	0
	14-16	08/09/95	0
	16-18	08/09/95	0
	18-20	08/09/95	0
	20-22	08/09/95	0
E-5	0-2	08/10/95	0.3
	2-4	08/10/95	0
	4-6	08/10/95	1.0
	6-8	08/10/95	1.6
	8-10	08/10/95	0.1
	10-12	08/10/95	0.8
	12-14	08/10/95	0.2
	14-16	08/10/95	0
	16-18	08/10/95	0
E-6	0-2	08/16/95	0.4
	2-4	08/16/95	0
	4-6	08/16/95	0
	6-8	08/16/95	0
	8-10	08/16/95	0
E-7	0-2	08/07/95	0.1
	2-4	08/07/95	0.2
	4-6	08/07/95	0.4
	6-8	08/07/95	0.2
	8-10	08/07/95	0.2
	10-12	08/07/95	0.3
	12-14	08/07/95	0.3
	14-16	08/07/95	0.3
	16-18	08/07/95	0
	18-20	08/07/95	0.3
E-8	18-20	08/09/95	NS
LS-26	0-2	08/10/95	0
	2-4	08/10/95	0
	4-6	08/10/95	0
	6-8	08/10/95	0
	8-10	08/10/95	0
	10-12	08/10/95	0
	12-14	08/10/95	0
	14-16	08/10/95	0
	16-18	08/10/95	0
	18-20	08/10/95	0
	20-22	08/10/95	0
	22-24	08/10/95	0
	24-26	08/10/95	0
	26-28	08/10/95	0
	28-30	08/10/95	0
	30-31	08/10/95	0

(See Notes on Page 5 of 5)

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF PHOTOIONIZATION DETECTOR (PID) RESULTS
(Results Presented in Parts Per Million, ppm)

Location ID:	Depth (ft)	Date Sampled	PID Reading
LS-27	0-2	08/11/95	1.8
	2-4	08/11/95	7.4
	4-6	08/11/95	5.0
	6-8	08/11/95	NS
	8-10	08/11/95	5.0
	10-12	08/11/95	1.7
	12-14	08/11/95	0
	14-16	08/11/95	0
	16-18	08/11/95	0
	18-20	08/11/95	0
LS-28	0-2	08/14/95	0
	2-4	08/14/95	0
	4-6	08/14/95	0
	6-8	08/14/95	0
	8-10	08/14/95	0
	10-12	08/14/95	0
	12-14	08/14/95	0
	14-16	08/14/95	0
	16-18	08/14/95	0
	18-20	08/14/95	0
	20-22	08/14/95	0
	22-24	08/14/95	0
LS-29	0-2	08/08/95	1.2
	2-4	08/08/95	1.1
	4-6	08/08/95	2.3
	6-8	08/08/95	0.3
	8-10	08/08/95	1.3
	10-12	08/08/95	18.8
	12-14	08/08/95	10.1
	14-16	08/08/95	6.2
	16-18	08/08/95	0.8
	18-20	08/08/95	NS
	20-22	08/08/95	2
	22-24	08/08/95	1
	24-26	08/08/95	0.5
	26-28	08/08/95	0.4
	28-30	08/08/95	0.5
	30-32	08/08/95	9.8
	32-34	08/08/95	5.1
	34-35	08/08/95	0
LS-30	0-2	08/14/95	0
	2-4	08/14/95	8.5
	4-6	08/14/95	1.3
	6-8	08/14/95	16.4
	8-10	08/14/95	12.4
	10-12	08/14/95	146.7
	12-14	08/14/95	152.1
	14-16	08/14/95	154.8
	16-18	08/14/95	135.9
	18-20	08/14/95	109.7
LS-31	0-2	08/15/95	0
	2-4	08/15/95	0
	4-6	08/15/95	0
	6-8	08/15/95	2.6
	8-10	08/15/95	2.5
	10-12	08/15/95	7.7
	12-14	08/15/95	2.4
	14-16	08/15/95	2.5
	16-18	08/15/95	3.8
	18-20	08/15/95	111.8
	20-22	08/15/95	1.6

(See Notes on Page 5 of 5)

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF PHOTOIONIZATION DETECTOR (PID) RESULTS
(Results Presented in Parts Per Million, ppm)

Location ID:	Depth (ft)	Date Sampled	PID Reading
LS-34	0-2	12/14/95	0
	2-4	12/14/95	0
	4-6	12/14/95	0
	6-8	12/14/95	0
	8-10	12/14/95	1.0
	10-12	12/14/95	0.5
	12-14	12/14/95	0.2
	14-16	12/14/95	0.5
	16-18	12/14/95	1.0
	18-20	12/14/95	2.0
	20-22	12/14/95	>284
	22-24	12/14/95	300
	24-26	12/14/95	7.0
LS-35	0-2	08/15/95	1.8
	2-4	08/15/95	0
	4-6	08/15/95	0
	6-8	08/15/95	0
	8-10	08/15/95	0
	10-12	08/15/95	0
	12-14	08/15/95	5.9
	14-16	08/15/95	0.4
	16-18	08/15/95	0.8
	18-20	08/15/95	0
LS-36	0-2	08/07/95	NS
	2-4	08/07/95	0.6
	4-6	08/07/95	0.9
	6-8	08/07/95	0.1
	8-10	08/07/95	0.2
	10-12	08/07/95	0.2
	12-14	08/07/95	0.2
	14-16	08/07/95	0
	16-18	08/07/95	10.9
	18-20	08/07/95	5.7
	20-22	08/07/95	2.5
	22-24	08/07/95	1.9
	24-26	08/07/95	0
	26-28	08/07/95	0.1
	28-30	08/07/95	0
LS-37	0-2	08/08/95	6.5
	2-4	08/08/95	17.5
	4-6	08/08/95	11.5
	6-8	08/08/95	24
	8-10	08/08/95	16
	10-12	08/08/95	0.5
	12-14	08/08/95	0.9
	14-16	08/08/95	2.5
	16-18	08/08/95	1.0
	18-20	08/08/95	0.9
	20-22	08/08/95	6.5
	22-24	08/08/95	5.3
LS-38	0-2	08/14/95	0
	2-4	08/14/95	0
	4-6	08/14/95	0
	6-8	08/14/95	0
	8-10	08/14/95	NS
	10-12	08/14/95	NS
	12-14	08/14/95	NS
	14-16	08/14/95	26.4
	16-18	08/14/95	43.4
	18-20	08/14/95	17.7
	20-22	08/14/95	NS
	22-24	08/14/95	6.1

(See Notes on Page 5 of 5)

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GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF PHOTOIONIZATION DETECTOR (PID) RESULTS
(Results Presented in Parts Per Million, ppm)

Location ID:	Depth (ft)	Date Sampled	PID Reading
LS-39	0-2	08/10/95	0
	2-4	08/10/95	0
	4-6	08/10/95	0
	6-8	08/10/95	0
	8-10	08/10/95	0
	10-12	08/10/95	0
	12-14	08/10/95	0
LS-40	0-2	08/10/95	0
	2-4	08/10/95	0
	4-6	08/10/95	0
	6-8	08/10/95	0
	8-10	08/10/95	0
	10-12	08/10/95	0
LS-41	0-2	12/13/95	1.0
	2-4	12/13/95	0.8
	4-6	12/13/95	0.2
	6-8	12/13/95	0.4
	8-10	12/13/95	13
	10-12	12/13/95	114
	12-14	12/13/95	79.7
	14-16	12/13/95	212
	16-18	12/13/95	162
	18-20	12/13/95	118
LS-42	0-2	04/23/96	1.2
	2-4	04/23/96	0.6
	4-6	04/23/96	0
	6-8	04/23/96	0
	8-10	04/23/96	0
	10-12	04/23/96	0
	12-14	04/23/96	0
	14-16	04/23/96	1.2
	16-18	04/23/96	0
	18-20	04/23/96	0
	20-22	04/23/96	0.6
	22-24	04/23/96	0
LS-43	0-2	04/24/96	0
	2-4	04/24/96	0
	4-6	04/24/96	0
	6-8	04/24/96	NS
	8-10	04/24/96	NS
	10-12	04/24/96	0
	12-14	04/24/96	0
	14-16	04/24/96	0
	16-18	04/24/96	0
	18-20	04/24/96	0
	20-22	04/24/96	0
	22-24	04/24/96	286
	24-26	04/24/96	260
LS-44	0-2	04/24/96	1.3
	2-4	04/24/96	0.6
	4-6	04/24/96	0
	6-8	04/24/96	0.3
	8-10	04/24/96	0.6
	10-12	04/24/96	0
	12-14	04/24/96	0
	14-16	04/24/96	0
	16-18	04/24/96	0
	18-20	04/24/96	0
	20-22	04/24/96	0
	22-24	04/24/96	3.9
	24-26	04/24/96	2.6

(See Notes on Page 5 of 5)

GENERAL ELECTRIC COMPANY
PITTSFIELD, MASSACHUSETTS

MCP PHASE II/RCRA FACILITY INVESTIGATION REPORT FOR
LYMAN STREET PARKING LOT/USEPA AREA 5A

SUMMARY OF PHOTOIONIZATION DETECTOR (PID) RESULTS
(Results Presented in Parts Per Million, ppm)

Location ID:	Depth (ft)	Date Sampled	PID Reading
LS-45	0-2	04/25/96	1.9
	2-4	04/25/96	1.9
	4-6	04/25/96	2.9
	6-8	04/25/96	2.6
	8-10	04/25/96	5.3
	10-12	04/25/96	65
	12-14	04/25/96	38.8
	14-16	04/25/96	4.9
	16-18	04/25/96	11.2
	18-20	04/25/96	1.9
	20-22	04/25/96	1.3
	22-24	04/25/96	0.6
	24-26	04/25/96	2.9
	26-28	04/25/96	0.3
	28-30	04/25/96	0.6
	30-32	04/25/96	1.6

NOTES:

1. All PID readings were obtained by Blasland, Bouck & Lee, Inc., as part of boring installation.
2. These results are qualitative only and do not represent the absolute concentrations of any volatile organic compound in soil, whether the compound is natural or man-made.
3. NS - Not sampled.

APPENDIX D

GROUNDWATER ELEVATION AND NAPL MEASUREMENT DATA

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APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
E-1	30-Nov-95	14.69	0.00	0.00			0.00	976.28	976.28	
E-1	22-Feb-96	14.97	0.00	0.00			0.00	976.00	976.00	
E-3	30-Nov-95	17.09	0.00	0.00			0.00	972.17	972.17	
E-3	22-Feb-96	15.40	0.00	0.00			0.00	973.86	973.86	
E-4	30-Nov-95	16.09	0.00	0.00			0.00	971.89	971.89	
E-4	22-Feb-96	14.15	0.00	0.00			0.00	973.83	973.83	
E-7	30-Nov-95	7.39	0.00	0.00			0.00	975.48	975.48	
E-7	22-Feb-96	6.58	0.00	0.00			0.00	976.29	976.29	
LS-2	06-Jan-94	12.62	11.39	1.23			971.93	970.70	971.84	
LS-2	13-Jan-94	12.50	11.44	1.06			971.88	970.82	971.81	
LS-2	20-Jan-94	12.23	11.35	0.88			971.97	971.09	971.91	
LS-2	27-Jan-94	12.68	11.56	1.12			971.76	970.64	971.68	
LS-2	03-Feb-94	11.99	11.20	0.79			972.12	971.33	972.06	
LS-2	10-Feb-94	12.21	11.50	0.71			971.82	971.11	971.77	
LS-2	17-Feb-94	12.89	11.69	1.20			971.63	970.43	971.55	
LS-2	25-Feb-94	11.52	11.25	0.27			972.07	971.80	972.05	
LS-2	03-Mar-94	11.98	11.28	0.70			972.04	971.34	971.99	
LS-2	11-Mar-94	10.78	10.50	0.28			972.82	972.54	972.80	
LS-2	17-Mar-94	11.99	10.56	1.43			972.76	971.33	972.66	
LS-2	24-Mar-94	12.10	10.38	1.72			972.94	971.22	972.82	
LS-2	01-Apr-94	12.25	9.95	2.30			973.37	971.07	973.21	
LS-2	07-Apr-94	13.92	8.48	5.44			974.84	969.40	974.46	
LS-2	14-Apr-94	8.39	7.25	1.14			976.07	974.93	975.99	
LS-2	22-Apr-94	9.74	9.51	0.23			973.81	973.58	973.79	
LS-2	29-Apr-94	10.20	10.15	0.05			973.17	973.12	973.17	
LS-2	05-May-94	10.33	10.30	0.03			973.02	972.99	973.02	
LS-2	12-May-94	10.39	10.38	0.01			972.94	972.93	972.94	
LS-2	20-May-94	10.40	10.21	0.19			973.11	972.92	973.10	
LS-2	25-May-94	10.90	10.68	0.22	23.61	0.61	972.64	972.42	972.62	
LS-2	02-Jun-94	11.43	11.23	0.20			972.09	971.89	972.08	
LS-2	09-Jun-94	12.04	11.41	0.63			971.91	971.28	971.87	
LS-2	16-Jun-94	12.42	11.51	0.91			971.81	970.90	971.75	
LS-2	24-Jun-94	12.94	11.63	1.31			971.69	970.38	971.60	
LS-2	30-Jun-94	12.62	11.43	1.19			971.89	970.70	971.81	
LS-2	07-Jul-94	13.30	11.74	1.56			971.58	970.02	971.47	
LS-2	14-Jul-94	13.36	11.81	1.55			971.51	969.96	971.40	
LS-2	21-Jul-94	12.81	11.64	1.17			971.68	970.51	971.60	
LS-2	27-Jul-94	12.72	11.74	0.98			971.58	970.60	971.51	
LS-2	04-Aug-94	12.88	11.80	1.08			971.52	970.44	971.44	
LS-2	11-Aug-94	13.27	11.93	1.34			971.39	971.39	972.64	
LS-2	19-Aug-94	12.11	11.40	0.71			971.92	971.21	971.87	
LS-2	25-Aug-94	11.46	11.21	0.25			972.11	971.86	972.09	
LS-2	01-Sep-94	12.26	11.60	0.66			971.72	971.06	971.67	
LS-2	09-Sep-94	12.99	11.85	1.14			971.47	970.33	971.39	
LS-2	15-Sep-94	13.19	11.92	1.27			971.40	970.13	971.31	
LS-2	23-Sep-94	12.70	11.85	0.85			971.47	970.62	971.41	
LS-2	30-Sep-94	11.37	11.35	0.02			971.97	971.95	971.97	
LS-2	04-Oct-94	11.65	11.37	0.28			971.95	971.67	971.93	
LS-2	13-Oct-94	12.18	11.60	0.58			971.72	971.14	971.68	
LS-2	20-Oct-94	12.80	11.78	1.02			971.54	970.52	971.47	

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APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
LS-2	27-Oct-94	12.66	11.76	0.90			971.56	970.66	971.50	
LS-2	07-Nov-94	12.95	11.78	1.17			971.54	971.54	972.63	
LS-2	10-Nov-94	12.75	11.80	0.95			971.52	970.57	971.45	
LS-2	17-Nov-94	12.87	11.84	1.03			971.48	970.45	971.41	
LS-2	22-Nov-94	12.24	11.58	0.66			971.74	971.08	971.69	
LS-2	01-Dec-94	11.51	11.36	0.15			971.96	971.81	971.95	
LS-2	07-Dec-94	10.74	10.73	0.01			972.59	972.58	972.59	
LS-2	15-Dec-94	11.87	11.24	0.63			972.08	971.45	972.04	
LS-2	20-Dec-94	12.14	11.39	0.75			971.93	971.18	971.88	
LS-2	28-Dec-94	11.59	10.95	0.64			974.97	974.33	974.93	
LS-2	05-Jan-95	12.35	11.50	0.85			971.82	970.77	971.56	
LS-2	12-Jan-95	12.31	11.19	1.12			972.13	971.01	972.05	
LS-2	19-Jan-95	11.71	10.25	1.46			973.07	971.61	972.97	
LS-2	25-Jan-95	12.28	10.39	1.89			972.93	971.04	972.80	
LS-2	02-Feb-95	12.55	11.10	1.45			972.22	970.77	972.12	
LS-2	09-Feb-95	12.59	11.32	1.27			972.00	970.73	971.91	
LS-2	16-Feb-95	12.61	11.46	1.15			971.86	970.71	971.78	
LS-2	23-Feb-95	12.43	11.51	0.92			971.81	970.89	971.75	
LS-2	02-Mar-95	11.68	11.18	0.50			972.14	971.64	972.11	
LS-2	16-Mar-95	11.31	9.83	1.48			973.49	972.01	973.39	
LS-2	23-Mar-95	12.34	10.26	2.08			973.06	970.98	972.91	
LS-2	29-Mar-95	12.57	10.93	1.64			972.39	970.75	972.28	
LS-2	06-Apr-95	12.34	11.12	1.22			972.20	970.98	972.11	
LS-2	13-Apr-95	11.90	10.71	1.19			972.61	971.42	972.53	
LS-2	20-Apr-95	11.81	10.67	1.14			972.65	971.51	972.57	
LS-2	27-Apr-95	12.04	0.00	0.00			0.00	971.28	971.28	
LS-2	04-May-95	12.21	11.32	0.89			972.00	971.11	971.94	
LS-2	12-May-95	12.18	11.20	0.98			972.12	971.14	972.05	
LS-2	18-May-95	12.17	11.40	0.77			971.92	971.15	971.87	
LS-2	25-May-95	12.46	11.52	0.94			971.80	970.86	971.73	
LS-2	01-Jun-95	12.59	11.66	0.93			971.66	970.73	971.59	
LS-2	08-Jun-95	12.20	11.55	0.65			971.77	971.12	971.72	
LS-2	15-Jun-95	12.46	11.75	0.71			971.57	970.86	971.52	
LS-2	22-Jun-95	12.85	11.90	0.95			971.42	970.47	971.35	
LS-2	29-Jun-95	12.87	11.95	0.92			971.37	970.45	971.31	
LS-2	07-Jul-95	12.88	12.03	0.85			971.29	970.44	971.23	
LS-2	13-Jul-95	12.60	11.98	0.62			971.34	970.72	971.30	
LS-2	20-Jul-95	12.67	12.07	0.60			971.25	970.65	971.21	
LS-2	27-Jul-95	12.47	11.99	0.48			971.33	970.85	971.30	
LS-2	03-Aug-95	12.63	12.11	0.52			971.21	970.69	971.17	
LS-2	10-Aug-95	12.44	11.95	0.49			971.37	970.88	971.34	
LS-2	17-Aug-95	12.60	12.14	0.46			971.18	970.72	971.15	
LS-2	24-Aug-95	12.62	12.21	0.41			971.11	970.70	971.08	
LS-2	31-Aug-95	12.63	12.26	0.37			971.06	970.69	971.03	
LS-2	07-Sep-95	12.55	12.32	0.23			971.00	970.77	970.98	
LS-2	14-Sep-95	12.30	12.24	0.06			971.08	971.02	971.08	
LS-2	21-Sep-95	12.36	12.22	0.14			971.10	970.96	971.09	
LS-2	28-Sep-95	12.32	12.10	0.22			971.22	971.00	971.20	
LS-2	05-Oct-95	11.84	11.83	0.01			971.49	971.48	971.49	
LS-2	12-Oct-95	11.82	11.73	0.09			971.59	971.50	971.58	

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APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
LS-2	19-Oct-95	11.76	11.63	0.13			971.69	971.56	971.68	
LS-2	26-Oct-95	10.78	0.00	0.00			0.00	972.54	972.54	
LS-2	09-Nov-95	11.85	10.85	1.00			972.47	971.47	972.40	
LS-2	16-Nov-95	11.94	9.56	2.38			973.76	971.38	973.59	
LS-2	30-Nov-95	12.25	10.96	1.29			972.36	971.07	972.27	
LS-2	07-Dec-95	12.08	11.12	0.96			972.20	971.24	972.13	
LS-2	15-Dec-95	12.40	11.45	0.95			971.87	970.92	971.80	
LS-2	21-Dec-95						0.00	983.32	983.32	Not monitored due to slug test.
LS-2	04-Jan-96	12.55	11.48	1.07			971.84	970.77	971.77	
LS-2	11-Jan-96	12.54	11.52	1.02			971.80	970.78	971.73	
LS-2	18-Jan-96	12.46	11.55	0.91			971.77	970.86	971.71	
LS-2	26-Jan-96	9.89	9.47	0.42			973.85	973.43	973.82	
LS-2	01-Feb-96	11.49	10.02	1.47			973.30	971.83	973.20	
LS-2	08-Feb-96	12.30	10.40	1.90			972.92	971.02	972.79	
LS-2	15-Feb-96	12.38	11.11	1.27			972.21	970.94	972.12	
LS-2	22-Feb-96	10.94	10.74	0.20			972.58	972.38	972.57	
LS-2	29-Feb-96	11.87	10.18	0.00			973.14	971.46	971.46	
LS-2	08-Mar-96	12.34	10.67	1.67			972.65	970.98	972.53	
LS-2	14-Mar-96	12.40	10.85	1.55			972.47	970.92	972.36	
LS-2	21-Mar-96	11.55	10.32	1.23			973.00	971.77	972.91	
LS-2	28-Mar-96	11.99	10.44	1.55			972.88	971.33	972.77	
LS-2	04-Apr-96	12.00	10.25	1.75			973.07	971.32	972.95	
LS-4	06-Jan-94	13.05	13.03	0.02	17.51	0.74	971.48	971.46	971.48	
LS-4	13-Jan-94	13.11	13.09	0.02	17.49	0.76	971.42	971.40	971.42	
LS-4	20-Jan-94	12.97	0.00	0.00	17.51	0.70	0.00	971.54	971.54	
LS-4	27-Jan-94	13.25	13.21	0.04	17.46	0.88	971.30	971.26	971.30	
LS-4	03-Feb-94	13.12	12.97	0.15	17.47	0.73	971.54	971.39	971.53	
LS-4	10-Feb-94	13.09	0.00	0.00	17.47	0.73	0.00	971.42	971.42	
LS-4	17-Feb-94	13.45	13.40	0.05	17.50	0.70	971.11	971.06	971.11	
LS-4	25-Feb-94									Water frozen; no measurement obtained
LS-4	03-Mar-94									Water frozen at 12.22
LS-4	11-Mar-94	12.13	0.00	0.00	17.49	0.71	0.00	972.38	972.38	
LS-4	17-Mar-94									Water frozen at 11.75'
LS-4	24-Mar-94	12.11	12.06	0.05	17.65	0.55	972.45	972.40	972.45	
LS-4	01-Apr-94	11.84	11.83	0.01	17.51	0.70	972.68	972.67	972.68	
LS-4	07-Apr-94	10.10	0.00	0.00	17.54	0.66	0.00	974.41	974.41	
LS-4	14-Apr-94	8.76	0.00	0.00	18.07	0.12	0.00	975.75	975.75	
LS-4	22-Apr-94	11.39	11.38	0.01	17.38	0.84	973.13	973.12	973.13	
LS-4	29-Apr-94	11.94	0.00	0.00	17.50	0.70	0.00	972.57	972.57	
LS-4	05-May-94	12.16	0.00	0.00	17.43	0.72	0.00	972.35	972.35	
LS-4	12-May-94	12.41	0.00	0.00	17.43	0.74	0.00	972.10	972.10	
LS-4	20-May-94	12.16	0.00	0.00	18.03	0.12	0.00	972.35	972.35	
LS-4	25-May-94	12.61	0.00	0.00	17.66	0.50	0.00	971.90	971.90	
LS-4	02-Jun-94	13.11	12.94	0.17	17.39	0.76	971.57	971.40	971.56	
LS-4	09-Jun-94	13.47	13.15	0.32	17.26	0.90	971.36	971.04	971.34	
LS-4	16-Jun-94	13.52	13.18	0.34	17.35	0.82	971.33	970.99	971.31	
LS-4	24-Jun-94	13.65	13.37	0.28	17.38	0.78	971.14	970.86	971.12	
LS-4	30-Jun-94	13.28	13.05	0.23	17.43	0.72	971.46	971.23	971.44	
LS-4	07-Jul-94	13.75	13.41	0.34	17.43	0.72	971.10	970.76	971.08	
LS-4	14-Jul-94	13.93	13.53	0.40	17.38	0.77	970.98	970.58	970.95	

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APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
LS-4	21-Jul-94	13.59	13.25	0.34	17.32	0.83	971.26	970.92	971.24	
LS-4	27-Jul-94	13.70	13.41	0.29	17.34	0.81	971.10	970.81	971.08	
LS-4	04-Aug-94	13.62	13.45	0.17	17.53	0.62	971.06	970.89	971.05	
LS-4	11-Aug-94	13.92	13.54	0.38	17.32	0.84	970.97	970.59	970.94	
LS-4	19-Aug-94	13.24	12.93	0.31	17.45	0.80	971.58	971.27	971.56	
LS-4	25-Aug-94	13.13	12.95	0.18	17.44	0.71	971.56	971.38	971.55	
LS-4	01-Sep-94	13.42	13.33	0.09	17.38	0.77	971.18	971.09	971.17	
LS-4	09-Sep-94	13.72	13.49	0.23	17.33	0.82	971.02	970.79	971.00	
LS-4	15-Sep-94	13.81	13.55	0.26	17.39	0.75	970.96	970.70	970.94	
LS-4	23-Sep-94	13.63	13.36	0.27	17.51	0.63	971.15	970.88	971.13	
LS-4	30-Sep-94	13.06	12.86	0.20	17.34	0.79	971.65	971.45	971.64	
LS-4	04-Oct-94	13.06	12.95	0.11	17.38	0.77	971.56	971.45	971.55	
LS-4	13-Oct-94	13.63	0.00	0.00	17.68	0.36	0.00	970.88	970.88	
LS-4	20-Oct-94	13.72	13.41	0.31	17.33	0.77	971.10	970.79	971.08	
LS-4	27-Oct-94	13.43	13.34	0.09	17.38	0.75	971.17	971.08	971.16	
LS-4	07-Nov-94	13.67	13.36	0.31	17.43	0.67	971.15	970.84	971.13	
LS-4	10-Nov-94	13.64	13.40	0.24			971.11	970.87	971.09	
LS-4	17-Nov-94	13.75	13.43	0.32	17.23	0.87	971.08	970.76	971.06	
LS-4	22-Nov-94	13.26	13.11	0.17	17.21	0.86	971.40	971.23	971.39	
LS-4	01-Dec-94	13.07	12.85	0.22	17.32	0.75	971.66	971.44	971.64	
LS-4	07-Dec-94	12.31	12.21	0.10	17.22	0.87	972.30	972.20	972.29	
LS-4	15-Dec-94	12.95	12.92	0.03	17.26	0.81	971.59	971.56	971.59	
LS-4	20-Dec-94	13.01	13.00	0.01	17.24	0.82	971.51	971.50	971.51	
LS-4	28-Dec-94	12.57	12.55	0.02			973.37	973.35	973.37	
LS-4	05-Jan-95	12.81	0.00	0.00	17.25	0.79	0.00	971.70	971.70	
LS-4	12-Jan-95	12.86	0.00	0.00	17.23	0.83	0.00	971.65	971.65	
LS-4	19-Jan-95	11.89	0.00	0.00	17.37	0.69	0.00	972.62	972.62	
LS-4	25-Jan-95	12.15	0.00	0.00	17.38	0.68	0.00	972.36	972.36	
LS-4	02-Feb-95	12.74	0.00	0.00	17.28	0.76	0.00	971.77	971.77	
LS-4	09-Feb-95	12.99	12.96	0.03	17.39	0.64	971.55	971.52	971.55	
LS-4	16-Feb-95	13.09	13.07	0.02	17.58	0.46	971.44	971.42	971.44	
LS-4	23-Feb-95	13.09	13.06	0.03	17.25	0.77	971.45	971.42	971.45	
LS-4	02-Mar-95	12.69	0.00	0.00	17.26	0.78	0.00	971.82	971.82	
LS-4	16-Mar-95	11.35	0.00	0.00	17.29	0.72	0.00	973.16	973.16	
LS-4	23-Mar-95	11.93	0.00	0.00	17.72	0.30	0.00	972.58	972.58	
LS-4	29-Mar-95	12.50	0.00	0.00	17.33	0.69	0.00	972.01	972.01	
LS-4	06-Apr-95	12.77	0.00	0.00	17.32	0.70	0.00	971.74	971.74	
LS-4	13-Apr-95	12.40	0.00	0.00	17.37	0.64	0.00	972.11	972.11	
LS-4	20-Apr-95	12.23	0.00	0.00	17.18	0.84	0.00	972.28	972.28	
LS-4	27-Apr-95	12.75	12.73	0.02	17.35	0.66	971.78	971.76	971.78	
LS-4	04-May-95	12.97	12.90	0.07	17.18	0.84	971.61	971.54	971.61	
LS-4	12-May-95	12.86	12.84	0.02	17.47	0.54	971.67	971.65	971.67	
LS-4	18-May-95	13.05	13.05	0.00	17.21	0.80	971.46	971.46	971.46	
LS-4	25-May-95	13.18	13.13	0.05	17.13	0.88	971.38	971.33	971.38	
LS-4	01-Jun-95	13.39	13.25	0.14	17.04	0.96	971.26	971.12	971.25	
LS-4	08-Jun-95	13.36	13.15	0.21	17.13	0.88	971.36	971.15	971.35	
LS-4	15-Jun-95	13.44	13.33	0.11	17.26	0.75	971.18	971.07	971.17	
LS-4	22-Jun-95	13.68	13.48	0.20	17.12	0.88	971.03	970.83	971.02	
LS-4	29-Jun-95	13.70	13.52	0.18	17.24	0.76	970.99	970.81	970.98	
LS-4	07-Jul-95	13.79	13.53	0.26			970.98	970.72	970.96	

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APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
LS-4	13-Jul-95	13.65	13.49	0.16	17.24	0.76	971.02	970.86	971.01	
LS-4	20-Jul-95	13.82	13.56	0.26	17.11	0.89	970.95	970.69	970.93	
LS-4	27-Jul-95	13.60	13.51	0.09	17.24	0.76	971.00	970.91	970.99	
LS-4	03-Aug-95	13.79	13.64	0.15	17.14	0.86	970.87	970.72	970.86	
LS-4	10-Aug-95	13.66	13.48	0.18	17.10	0.89	971.03	970.85	971.02	
LS-4	17-Aug-95	13.78	13.61	0.17	17.15	0.85	970.90	970.73	970.89	
LS-4	24-Aug-95	13.97	13.67	0.30	17.13	0.86	970.84	970.54	970.82	
LS-4	31-Aug-95	14.18	13.71	0.47	17.12	0.87	970.80	970.33	970.77	
LS-4	07-Sep-95	14.14	13.64	0.50	17.06	0.93	970.87	970.37	970.83	
LS-4	14-Sep-95	14.30	13.59	0.71	17.04	0.94	970.92	970.21	970.87	
LS-4	21-Sep-95	14.38	13.65	0.73	17.36	0.63	970.86	970.13	970.81	
LS-4	28-Sep-95	14.29	13.64	0.65	17.43	0.56	970.87	970.22	970.82	
LS-4	05-Oct-95	14.05	13.08	0.97	17.47	0.51	971.43	970.46	971.36	
LS-4	12-Oct-95	14.04	13.31	0.73	17.30	0.70	971.20	970.47	971.15	
LS-4	19-Oct-95	13.90	13.17	0.73	17.23	0.77	971.34	970.61	971.29	
LS-4	26-Oct-95	12.95	12.43	0.52	17.49	0.51	972.08	971.56	972.04	
LS-4	09-Nov-95	12.91	12.60	0.31	17.62	0.68	971.91	971.60	971.89	
LS-4	16-Nov-95	11.48	11.34	0.14	17.02	0.96	973.17	973.03	973.16	
LS-4	30-Nov-95	12.96	12.62	0.34	17.29	0.72	971.89	971.55	971.87	
LS-4	07-Dec-95	13.10	12.78	0.32	17.42	0.57	971.73	971.41	971.71	
LS-4	15-Dec-95	13.30	12.99	0.31	17.37	0.62	971.52	971.21	971.50	
LS-4	21-Dec-95	13.59	13.05	0.54	17.35	0.64	971.46	970.92	971.42	
LS-4	04-Jan-96	13.45	13.15	0.30	17.55	0.44	971.36	971.06	971.34	
LS-4	11-Jan-96	13.39	13.10	0.29	17.38	0.60	971.41	971.12	971.39	
LS-4	18-Jan-96	13.55	13.08	0.47	17.46	0.52	971.43	970.96	971.40	
LS-4	26-Jan-96	11.38	10.98	0.40			973.53	973.13	973.50	
LS-4	01-Feb-96	12.01	11.68	0.33	17.46	0.49	972.83	972.50	972.81	
LS-4	08-Feb-96	12.98	12.49	0.49	17.29	0.70	972.02	971.53	971.99	
LS-4	15-Feb-96	12.98	12.79	0.19	17.49	0.50	971.72	971.53	971.71	
LS-4	22-Feb-96	11.74	11.54	0.20	17.44	0.55	972.97	972.77	972.96	
LS-4	29-Feb-96	12.11	11.80	0.31	17.42	0.57	972.71	972.40	972.69	
LS-4	06-Mar-96	12.75	12.35	0.40	17.40	0.59	972.16	971.76	972.13	
LS-4	14-Mar-96	12.73	12.53	0.20	17.34	0.64	971.98	971.78	971.97	
LS-4	21-Mar-96	11.85	11.79	0.06	17.36	0.62	972.72	972.66	972.72	
LS-4	28-Mar-96	12.07	0.00	0.00	17.29	0.75	0.00	972.44	972.44	
LS-4	04-Apr-96	11.97	0.00	0.00	17.42	0.70	0.00	972.54	972.54	
LS-10	07-Jan-94	11.17	0.00	0.00			0.00	974.09	974.09	
LS-10	03-Feb-94									No monitoring performed - 12' snowbank on well
LS-10	03-Mar-94									No monitoring peformed. 12' snowbank on well
LS-10	07-Apr-94	9.17	0.00	0.00			0.00	976.09	976.09	
LS-10	05-May-94	9.78	0.00	0.00			0.00	975.48	975.48	
LS-10	02-Jun-94	10.58	0.00	0.00			0.00	974.68	974.68	
LS-10	07-Jul-94	11.35	0.00	0.00			0.00	973.91	973.91	
LS-10	04-Aug-94	11.45	0.00	0.00			0.00	973.81	973.81	
LS-10	01-Sep-94	11.20	0.00	0.00			0.00	974.06	974.06	
LS-10	04-Oct-94	11.20	0.00	0.00			0.00	974.06	974.06	
LS-10	07-Nov-94	11.67	0.00	0.00			0.00	973.59	973.59	
LS-10	01-Dec-94	11.42	0.00	0.00			0.00	973.84	973.84	
LS-10	05-Jan-95	10.97	0.00	0.00			0.00	974.29	974.29	
LS-10	02-Feb-95	10.77	0.00	0.00			0.00	974.49	974.49	

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APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
LS-10	02-Mar-95	11.03	0.00	0.00			0.00	974.23	974.23	
LS-10	06-Apr-95	10.77	0.00	0.00			0.00	974.49	974.49	
LS-10	04-May-95	11.00	0.00	0.00			0.00	974.26	974.26	
LS-10	01-Jun-95	11.36	0.00	0.00			0.00	973.90	973.90	
LS-10	07-Jul-95	11.77	0.00	0.00			0.00	973.49	973.49	
LS-10	03-Aug-95	11.86	0.00	0.00			0.00	973.40	973.40	
LS-10	07-Sep-95	12.08	0.00	0.00			0.00	973.18	973.18	
LS-10	05-Oct-95	11.89	0.00	0.00			0.00	973.37	973.37	
LS-10	30-Nov-95	10.61	0.00	0.00			0.00	974.65	974.65	
LS-10	22-Feb-96	10.51	0.00	0.00			0.00	974.75	974.75	
LS-11	06-Jan-94	14.19	0.00	0.00			0.00	972.08	972.08	
LS-11	03-Feb-94	14.00	0.00	0.00			0.00	972.27	972.27	
LS-11	03-Mar-94	14.10	0.00	0.00			0.00	969.00	969.00	
LS-11	07-Apr-94	8.09	0.00	0.00			0.00	975.01	975.01	
LS-11	05-May-94	9.72	0.00	0.00			0.00	973.38	973.38	
LS-11	02-Jun-94	10.68	0.00	0.00			0.00	972.42	972.42	
LS-11	07-Jul-94	11.29	0.00	0.00			0.00	971.81	971.81	
LS-11	04-Aug-94	11.30	0.00	0.00			0.00	971.80	971.80	
LS-11	01-Sep-94	11.10	0.00	0.00			0.00	972.00	972.00	
LS-11	04-Oct-94	10.89					0.00	972.21	972.21	Stick-up broken; measured 2.5" from old PVC pipe
LS-11	07-Nov-94	11.37	0.00	0.00			0.00	971.73	971.73	
LS-11	01-Dec-94	10.87	0.00	0.00			0.00	972.23	972.23	
LS-11	05-Jan-95	10.64	0.00	0.00			0.00	972.46	972.46	
LS-11	02-Feb-95	10.65	0.00	0.00			0.00	972.45	972.45	
LS-11	02-Mar-95									Obstructed; unable to measure
LS-11	06-Apr-95	10.65	0.00	0.00			0.00	972.45	972.45	
LS-11	04-May-95	10.82	0.00	0.00			0.00	972.28	972.28	
LS-11	01-Jun-95	11.07	0.00	0.00			0.00	972.03	972.03	
LS-11	07-Jul-95	11.55	0.00	0.00			0.00	971.55	971.55	
LS-11	03-Aug-95	11.62	0.00	0.00			0.00	971.48	971.48	
LS-11	07-Sep-95	18.11	0.00	0.00			0.00	964.99	964.99	
LS-11	05-Oct-95	11.33	0.00	0.00			0.00	971.77	971.77	
LS-11	30-Nov-95	10.05	0.00	0.00			0.00	973.05	973.05	
LS-11	07-Dec-95	13.35	0.00	0.00			0.00	969.75	969.75	
LS-11	04-Jan-96	10.85	0.00	0.00			0.00	971.87	971.87	
LS-11	01-Feb-96	9.23	0.00	0.00			0.00	973.49	973.49	
LS-11	22-Feb-96									water/ice-filled; cannot measure
LS-11	06-Mar-96									Submerged
LS-11	04-Apr-96	9.60	0.00	0.00			0.00	973.12	973.12	
LS-12	06-Jan-94	11.38	0.00	0.00	23.77	0.42	0.00	972.05	972.05	
LS-12	13-Jan-94	11.48	0.00	0.00	23.83	0.36	0.00	971.95	971.95	
LS-12	20-Jan-94	11.37	0.00	0.00	23.59	0.76	0.00	972.06	972.06	
LS-12	27-Jan-94	11.59	0.00	0.00	23.53	0.82	0.00	971.84	971.84	
LS-12	03-Feb-94	11.22	0.00	0.00			0.00	972.21	972.21	
LS-12	10-Feb-94	11.39	0.00	0.00			0.00	972.04	972.04	
LS-12	17-Feb-94	11.63	0.00	0.00	23.20	0.92	0.00	971.80	971.80	
LS-12	25-Feb-94	11.09	0.00	0.00			0.00	972.34	972.34	
LS-12	03-Mar-94	11.20	0.00	0.00	23.68	0.53	0.00	972.23	972.23	
LS-12	11-Mar-94	10.05	0.00	0.00			0.00	973.38	973.38	
LS-12	17-Mar-94	10.05	0.00	0.00			0.00	973.38	973.38	

APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
LS-12	24-Mar-94	9.41	0.00	0.00			0.00	974.02	974.02	
LS-12	01-Apr-94	9.04	0.00	0.00			0.00	974.39	974.39	
LS-12	07-Apr-94	7.91	0.00	0.00			0.00	975.52	975.52	
LS-12	14-Apr-94	7.02	0.00	0.00			0.00	976.41	976.41	
LS-12	22-Apr-94	9.08	0.00	0.00			0.00	974.35	974.35	
LS-12	29-Apr-94	9.46	0.00	0.00			0.00	973.97	973.97	
LS-12	05-May-94	9.72	0.00	0.00	24.18	0.03	0.00	973.71	973.71	
LS-12	12-May-94	9.93	0.00	0.00			0.00	973.50	973.50	
LS-12	20-May-94	9.66	0.00	0.00	24.19	0.02	0.00	973.77	973.77	
LS-12	25-May-94	10.40	0.00	0.00			0.00	973.03	973.03	
LS-12	02-Jun-94	10.82	0.00	0.00			0.00	972.61	972.61	
LS-12	09-Jun-94	11.25	0.00	0.00	23.66	0.56	0.00	972.18	972.18	
LS-12	16-Jun-94	10.97	0.00	0.00			0.00	972.46	972.46	
LS-12	24-Jun-94	11.40	0.00	0.00	23.74	0.48	0.00	972.03	972.03	
LS-12	30-Jun-94	11.15	0.00	0.00	23.85	0.37	0.00	972.28	972.28	
LS-12	07-Jul-94	11.59	0.00	0.00	23.78	0.44	0.00	971.84	971.84	
LS-12	14-Jul-94	11.74	0.00	0.00	23.53	0.68	0.00	971.69	971.69	
LS-12	21-Jul-94	11.49	0.00	0.00	24.10	0.12	0.00	971.94	971.94	
LS-12	27-Jul-94	11.49	0.00	0.00			0.00	971.94	971.94	
LS-12	04-Aug-94	11.56	0.00	0.00			0.00	971.87	971.87	
LS-12	11-Aug-94	11.86	0.00	0.00	23.48	0.74	0.00	971.57	971.57	
LS-12	19-Aug-94	10.75	0.00	0.00	23.33	0.89	0.00	972.68	972.68	
LS-12	25-Aug-94	10.43	0.00	0.00	23.45	0.77	0.00	973.00	973.00	
LS-12	01-Sep-94	11.32	0.00	0.00			0.00	972.11	972.11	
LS-12	09-Sep-94	11.74	0.00	0.00			0.00	971.69	971.69	
LS-12	15-Sep-94	11.83	0.00	0.00	23.92	0.31	0.00	971.60	971.60	
LS-12	23-Sep-94	11.70	0.00	0.00	23.22	0.90	0.00	971.73	971.73	
LS-12	30-Sep-94	10.96	0.00	0.00	23.20	0.92	0.00	972.47	972.47	
LS-12	04-Oct-94	10.85	0.00	0.00			0.00	972.58	972.58	
LS-12	13-Oct-94	11.48	0.00	0.00	23.38	0.84	0.00	971.95	971.95	
LS-12	20-Oct-94									Well development in progress; no monitoring performed
LS-12	27-Oct-94	11.71	0.00	0.00	23.13	0.97	0.00	971.72	971.72	
LS-12	07-Nov-94	11.70	0.00	0.00	23.89	0.24	0.00	971.73	971.73	
LS-12	10-Nov-94	11.72	0.00	0.00	22.88	1.24	0.00	971.71	971.71	
LS-12	17-Nov-94	11.78	0.00	0.00	23.71	0.40	0.00	971.65	971.65	
LS-12	22-Nov-94	11.41	0.00	0.00			0.00	972.02	972.02	
LS-12	01-Dec-94	11.23	0.00	0.00	23.59	0.61	0.00	972.20	972.20	
LS-12	07-Dec-94	10.54	0.00	0.00			0.00	972.89	972.89	
LS-12	15-Dec-94	11.08	0.00	0.00			0.00	972.35	972.35	
LS-12	20-Dec-94	11.31	0.00	0.00			0.00	972.12	972.12	
LS-12	28-Dec-94	11.89	0.00	0.00			0.00	974.03	974.03	
LS-12	05-Jan-95	11.15	0.00	0.00	23.44	0.69	0.00			
LS-12	12-Jan-95	11.19	0.00	0.00			0.00	972.24	972.24	
LS-12	19-Jan-95	10.28	0.00	0.00			0.00	973.15	973.15	
LS-12	25-Jan-95	10.29	0.00	0.00	12.28	0.81	0.00	973.14	973.14	
LS-12	02-Feb-95	10.92	0.00	0.00	23.40	* 0.69	0.00	972.51	972.51	
LS-12	09-Feb-95	11.29	0.00	0.00	23.75	* 0.34	0.00	972.14	972.14	
LS-12	16-Feb-95	11.42	0.00	0.00			0.00	972.01	972.01	
LS-12	23-Feb-95	11.40	0.00	0.00	23.99	0.13	0.00	972.03	972.03	
LS-12	02-Mar-95	11.06	0.00	0.00	23.98	0.21	0.00	972.37	972.37	

APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
LS-12	16-Mar-95	9.49	0.00	0.00	23.81	0.36	0.00	973.94	973.94	
LS-12	23-Mar-95	9.95	0.00	0.00			0.00	973.48	973.48	
LS-12	29-Mar-95	10.61	0.00	0.00	24.06	0.15	0.00	972.82	972.82	
LS-12	06-Apr-95	10.71	0.00	0.00	24.10	0.08	0.00	972.72	972.72	
LS-12	13-Apr-95	10.29	0.00	0.00	23.98	0.22	0.00	973.14	973.14	
LS-12	20-Apr-95	10.12	0.00	0.00			0.00	973.31	973.31	
LS-12	27-Apr-95	10.62	0.00	0.00			0.00	972.81	972.81	
LS-12	04-May-95	10.76	0.00	0.00			0.00	972.67	972.67	
LS-12	12-May-95	10.65	0.00	0.00			0.00	972.78	972.78	
LS-12	18-May-95	10.78	0.00	0.00			0.00	972.65	972.65	
LS-12	25-May-95	10.82	0.00	0.00			0.00	972.61	972.61	
LS-12	01-Jun-95	11.57	0.00	0.00			0.00	971.86	971.86	
LS-12	08-Jun-95	10.78	0.00	0.00			0.00	972.65	972.65	
LS-12	15-Jun-95	11.33	0.00	0.00			0.00	972.10	972.10	
LS-12	22-Jun-95	11.79	0.00	0.00			0.00	971.64	971.64	
LS-12	29-Jun-95	11.85	0.00	0.00			0.00	971.58	971.58	
LS-12	07-Jul-95	11.89	0.00	0.00			0.00	971.54	971.54	
LS-12	13-Jul-95	11.74	0.00	0.00			0.00	971.69	971.69	
LS-12	20-Jul-95	11.85	0.00	0.00			0.00	971.58	971.58	
LS-12	27-Jul-95	11.61	0.00	0.00			0.00	971.82	971.82	
LS-12	03-Aug-95	11.84	0.00	0.00			0.00	971.59	971.59	
LS-12	10-Aug-95	10.82	0.00	0.00			0.00	972.61	972.61	
LS-12	17-Aug-95	11.87	0.00	0.00			0.00	971.56	971.56	
LS-12	24-Aug-95	11.98	0.00	0.00			0.00	971.45	971.45	
LS-12	31-Aug-95	12.06	0.00	0.00			0.00	971.37	971.37	
LS-12	07-Sep-95	12.10	0.00	0.00			0.00	971.33	971.33	
LS-12	14-Sep-95	11.89	0.00	0.00			0.00	971.54	971.54	
LS-12	21-Sep-95	11.86	0.00	0.00			0.00	971.57	971.57	
LS-12	28-Sep-95	11.10	0.00	0.00			0.00	972.33	972.33	
LS-12	05-Oct-95	10.83	0.00	0.00			0.00	972.60	972.60	
LS-12	12-Oct-95	10.71	0.00	0.00			0.00	972.72	972.72	
LS-12	19-Oct-95	10.63	0.00	0.00			0.00	972.80	972.80	
LS-12	26-Oct-95	10.00	0.00	0.00			0.00	973.43	973.43	
LS-12	09-Nov-95	9.90	0.00	0.00	24.02	0.18	0.00	973.53	973.53	
LS-12	16-Nov-95	8.53	0.00	0.00			0.00	974.90	974.90	
LS-12	30-Nov-95	10.14	0.00	0.00	23.41	0.78	0.00	973.29	973.29	
LS-12	07-Dec-95	11.11	0.00	0.00			0.00	972.32	972.32	
LS-12	15-Dec-95									PVC destroyed; no measurement obtained
LS-12	21-Dec-95	13.53	0.00	0.00			0.00	971.96	971.96	
LS-12	04-Jan-96	13.58	0.00	0.00	26.35	0.07	0.00	971.91	971.91	
LS-12	11-Jan-96	13.59	0.00	0.00	26.21	0.20	0.00	971.90	971.90	
LS-12	18-Jan-96	13.61	0.00	0.00	26.35	0.06	0.00	971.88	971.88	
LS-12	26-Jan-96	11.56	0.00	0.00	26.33	0.10	0.00	973.93	973.93	
LS-12	01-Feb-96	12.02	0.00	0.00	26.35	0.06	0.00	973.47	973.47	
LS-12	08-Feb-96	12.72	0.00	0.00	26.22	0.20	0.00	972.77	972.77	
LS-12	15-Feb-96	13.21	0.00	0.00	26.35	0.07	0.00	972.28	972.28	
LS-12	22-Feb-96	11.98	0.00	0.00	26.36	0.06	0.00	973.51	973.51	
LS-12	29-Feb-96	12.31	0.00	0.00	26.37	0.06	0.00	973.18	973.18	
LS-12	08-Mar-96	12.82	0.00	0.00	26.34	0.09	0.00	972.67	972.67	
LS-12	14-Mar-96	12.99	0.00	0.00	26.36	0.07	0.00	972.50	972.50	

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APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
LS-12	21-Mar-96	12.17	0.00	0.00	26.36	0.07	0.00	973.32	973.32	
LS-12	28-Mar-96	12.41	0.00	0.00			0.00	973.08	973.08	
LS-12	04-Apr-96	12.01	0.00	0.00			0.00	973.48	973.48	
LS-13	07-Jan-94	12.25	0.00	0.00			0.00	972.40	972.40	
LS-13	03-Feb-94									No monitoring performed – 12' snowbank on well
LS-13	03-Mar-94									Water frozen to top of well
LS-13	07-Apr-94	9.23	0.00	0.00			0.00	975.42	975.42	
LS-13	05-May-94	10.34	10.30	0.04			974.35	974.31	974.35	
LS-13	02-Jun-94	12.31	11.10	1.21			973.55	972.34	973.47	
LS-13	07-Jul-94	11.83	0.00	0.00			0.00	972.82	972.82	
LS-13	04-Aug-94	11.93	0.00	0.00			0.00	972.72	972.72	
LS-13	01-Sep-94	11.66	0.00	0.00			0.00	972.99	972.99	
LS-13	04-Oct-94	11.54	0.00	0.00			0.00	973.11	973.11	
LS-13	07-Nov-94	12.70	12.02	0.68			972.63	971.95	972.58	
LS-13	01-Dec-94	11.67	11.66	0.01			972.99	972.98	972.99	
LS-13	05-Jan-95	11.32	0.00	0.00			0.00	973.33	973.33	
LS-13	02-Feb-95	11.37	11.22	0.15			973.43	973.28	973.42	
LS-13	02-Mar-95	11.39		0.00			0.00	973.26	973.26	
LS-13	06-Apr-95	12.18	11.21	0.97			973.44	972.47	973.37	
LS-13	04-May-95	11.45	11.43	0.02			973.22	973.20	973.22	
LS-13	01-Jun-95	11.95	11.76	0.19			972.89	972.70	972.88	
LS-13	07-Jul-95	12.86	12.28	0.58			972.37	971.79	972.33	
LS-13	03-Aug-95	13.00	12.35	0.65			972.30	971.65	972.25	
LS-13	07-Sep-95	13.30	12.42	0.88			972.23	971.35	972.17	
LS-13	05-Oct-95	12.12	0.00	0.00			0.00	972.53	972.53	
LS-13	30-Nov-95	11.86	11.16	0.70			973.49	972.79	973.44	
LS-13	22-Feb-96									water/ice-filled; cannot measure
LS-20	07-Jan-94	13.88	0.00	0.00			0.00	971.76	971.76	
LS-20	13-Jan-94	13.80	0.00	0.00			0.00	971.84	971.84	
LS-20	20-Jan-94	13.62	0.00	0.00			0.00	972.02	972.02	
LS-20	27-Jan-94	13.86	0.00	0.00			0.00	971.78	971.78	
LS-20	03-Feb-94									Water frozen.
LS-20	10-Feb-94	13.73	0.00	0.00			0.00	971.91	971.91	
LS-20	17-Feb-94	14.03	0.00	0.00			0.00	971.61	971.61	
LS-20	25-Feb-94									Water frozen.
LS-20	03-Mar-94	13.69	0.00	0.00			0.00	971.95	971.95	
LS-20	11-Mar-94	12.94	0.00	0.00			0.00	972.70	972.70	
LS-20	17-Mar-94	12.92	0.00	0.00			0.00	972.72	972.72	
LS-20	24-Mar-94	12.70	0.00	0.00			0.00	972.94	972.94	
LS-20	01-Apr-94	12.46	0.00	0.00			0.00	973.18	973.18	
LS-20	07-Apr-94	10.50	0.00	0.00			0.00	975.14	975.14	
LS-20	14-Apr-94	9.25	0.00	0.00			0.00	976.39	976.39	
LS-20	22-Apr-94	12.06	0.00	0.00			0.00	973.58	973.58	
LS-20	29-Apr-94	12.61	0.00	0.00			0.00	973.03	973.03	
LS-20	05-May-94	12.84	0.00	0.00			0.00	972.80	972.80	
LS-20	12-May-94	13.70	0.00	0.00			0.00	971.94	971.94	
LS-20	20-May-94	12.81	0.00	0.00			0.00	972.83	972.83	
LS-20	25-May-94	13.29	0.00	0.00			0.00	972.35	972.35	
LS-20	02-Jun-94	13.65	0.00	0.00			0.00	971.99	971.99	
LS-20	09-Jun-94	13.82	0.00	0.00			0.00	971.82	971.82	

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APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
LS-20	16-Jun-94	13.89	0.00	0.00			0.00	971.75	971.75	
LS-20	24-Jun-94	14.01	0.00	0.00			0.00	971.63	971.63	
LS-20	30-Jun-94	13.70	0.00	0.00			0.00	971.94	971.94	
LS-20	07-Jul-94	14.10	0.00	0.00			0.00	971.54	971.54	
LS-20	14-Jul-94	14.22	0.00	0.00			0.00	971.42	971.42	
LS-20	21-Jul-94	13.94	0.00	0.00			0.00	971.70	971.70	
LS-20	27-Jul-94	14.07	0.00	0.00			0.00	971.57	971.57	
LS-20	04-Aug-94	14.13	0.00	0.00			0.00	971.51	971.51	
LS-20	11-Aug-94	14.27	0.00	0.00			0.00	971.37	971.37	
LS-20	19-Aug-94	13.60	0.00	0.00			0.00	972.04	972.04	
LS-20	25-Aug-94	13.64	0.00	0.00			0.00	972.00	972.00	
LS-20	01-Sep-94	14.01	0.00	0.00			0.00	971.63	971.63	
LS-20	09-Sep-94	14.17	0.00	0.00			0.00	971.47	971.47	
LS-20	15-Sep-94	14.20	0.00	0.00			0.00	971.44	971.44	
LS-20	23-Sep-94	14.03	0.00	0.00			0.00	971.61	971.61	
LS-20	30-Sep-94	13.55	0.00	0.00			0.00	972.09	972.09	
LS-20	04-Oct-94	13.66	0.00	0.00			0.00	971.98	971.98	
LS-20	13-Oct-94									Well development in progress; no monitoring performed
LS-20	20-Oct-94									Well development in progress; no monitoring performed
LS-20	27-Oct-94	14.09	0.00	0.00			0.00	971.55	971.55	
LS-20	07-Nov-94	14.06	0.00	0.00			0.00	971.58	971.58	
LS-20	10-Nov-94	14.10	0.00	0.00			0.00	971.54	971.54	
LS-20	17-Nov-94	14.14	0.00	0.00			0.00	971.50	971.50	
LS-20	22-Nov-94	13.78	0.00	0.00			0.00	971.86	971.86	
LS-20	01-Dec-94	13.57	0.00	0.00			0.00	972.07	972.07	
LS-20	07-Dec-94	12.88	0.00	0.00			0.00	972.76	972.76	
LS-20	15-Dec-94	13.63	0.00	0.00			0.00	972.01	972.01	
LS-20	20-Dec-94	13.73	0.00	0.00			0.00	971.91	971.91	
LS-20	28-Dec-94	13.28	0.00	0.00			0.00	972.64	972.64	
LS-20	05-Jan-95	13.50	0.00	0.00			0.00	972.14	972.14	
LS-20	12-Jan-95	13.57	0.00	0.00			0.00	972.07	972.07	
LS-20	19-Jan-95	12.60	0.00	0.00			0.00	973.04	973.04	
LS-20	25-Jan-95	12.80	0.00	0.00			0.00	972.84	972.84	
LS-20	02-Feb-95	13.47	0.00	0.00			0.00	972.17	972.17	
LS-20	09-Feb-95	13.70	0.00	0.00			0.00	971.94	971.94	
LS-20	16-Feb-95	13.79	0.00	0.00			0.00	971.85	971.85	
LS-20	23-Feb-95	13.76	0.00	0.00			0.00	971.88	971.88	
LS-20	02-Mar-95	13.37	0.00	0.00			0.00	972.27	972.27	
LS-20	16-Mar-95	12.01	0.00	0.00			0.00	973.63	973.63	
LS-20	23-Mar-95	12.65	0.00	0.00			0.00	972.99	972.99	
LS-20	29-Mar-95	13.26	0.00	0.00			0.00	972.38	972.38	
LS-20	06-Apr-95	13.48	0.00	0.00			0.00	972.16	972.16	
LS-20	13-Apr-95	13.02	0.00	0.00			0.00	972.62	972.62	
LS-20	20-Apr-95	12.90	0.00	0.00			0.00	972.74	972.74	
LS-20	27-Apr-95	13.49	0.00	0.00			0.00	972.15	972.15	
LS-20	04-May-95	13.62	0.00	0.00			0.00	972.02	972.02	
LS-20	12-May-95	13.53	0.00	0.00			0.00	972.11	972.11	
LS-20	18-May-95	13.75	0.00	0.00			0.00	971.89	971.89	
LS-20	25-May-95	13.83	0.00	0.00			0.00	971.81	971.81	
LS-20	01-Jun-95	13.99	0.00	0.00			0.00	971.65	971.65	

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APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
LS-20	08-Jun-95	13.87	0.00	0.00			0.00	971.77	971.77	
LS-20	15-Jun-95	14.03	0.00	0.00			0.00	971.61	971.61	
LS-20	22-Jun-95	14.20	0.00	0.00			0.00	971.44	971.44	
LS-20	29-Jun-95	14.23	0.00	0.00			0.00	971.41	971.41	
LS-20	07-Jul-95	14.25	0.00	0.00			0.00	971.39	971.39	
LS-20	13-Jul-95	14.18	0.00	0.00			0.00	971.46	971.46	
LS-20	20-Jul-95	14.28	0.00	0.00			0.00	971.36	971.36	
LS-20	27-Jul-95	14.17	0.00	0.00			0.00	971.47	971.47	
LS-20	03-Aug-95	14.35	0.00	0.00			0.00	971.29	971.29	
LS-20	10-Aug-95	14.20	0.00	0.00			0.00	971.44	971.44	
LS-20	17-Aug-95	14.33	0.00	0.00			0.00	971.31	971.31	
LS-20	24-Aug-95	14.42	0.00	0.00			0.00	971.22	971.22	
LS-20	31-Aug-95	14.41	0.00	0.00			0.00	971.23	971.23	
LS-20	07-Sep-95	14.40	0.00	0.00			0.00	971.24	971.24	
LS-20	14-Sep-95	14.32	0.00	0.00			0.00	971.32	971.32	
LS-20	21-Sep-95	14.38	0.00	0.00			0.00	971.26	971.26	
LS-20	28-Sep-95	14.29	0.00	0.00			0.00	971.35	971.35	
LS-20	05-Oct-95	13.90	0.00	0.00			0.00	971.74	971.74	
LS-20	12-Oct-95	13.99	0.00	0.00			0.00	971.65	971.65	
LS-20	19-Oct-95	13.91	0.00	0.00			0.00	971.73	971.73	
LS-20	26-Oct-95	13.16	0.00	0.00			0.00	972.48	972.48	
LS-20	09-Nov-95	13.20	0.00	0.00			0.00	972.44	972.44	
LS-20	16-Nov-95	11.86	0.00	0.00			0.00	973.78	973.78	
LS-20	30-Nov-95	13.19	0.00	0.00			0.00	972.45	972.45	
LS-20	07-Dec-95	13.49	0.00	0.00			0.00	972.15	972.15	
LS-20	04-Jan-96	13.76	0.00	0.00			0.00	971.68	971.88	
LS-20	01-Feb-96	12.42	0.00	0.00			0.00	973.22	973.22	
LS-20	22-Feb-96						0.00	985.64	985.64	water/ice-filled; cannot measure
LS-20	08-Mar-96	13.10	0.00	0.00			0.00	972.54	972.54	
LS-20	04-Apr-96	12.66	0.00	0.00			0.00	972.98	972.98	
LS-21	06-Jan-94	12.74	11.94	0.80	16.66	0.98	971.48	970.68	971.42	
LS-21	13-Jan-94	13.18	12.00	1.18	16.69	0.95	971.42	970.24	971.34	
LS-21	20-Jan-94	12.12	11.84	0.28	16.88	0.76	971.58	971.30	971.56	
LS-21	27-Jan-94	12.63	12.07	0.56	16.76	0.88	971.35	970.79	971.31	
LS-21	03-Feb-94	12.13	11.75	0.38	16.68	0.76	971.67	971.29	971.64	
LS-21	10-Feb-94	12.42	11.83	0.59	16.72	0.93	971.59	971.00	971.55	
LS-21	17-Feb-94	13.34	12.23	1.11	17.00	0.64	971.19	970.08	971.11	
LS-21	25-Feb-94									Water frozen
LS-21	11-Mar-94	11.08	0.00	0.00	15.76	1.88	0.00	972.34	972.34	
LS-21	17-Mar-94	11.10	11.08	0.02	16.77	0.87	972.34	972.32	972.34	
LS-21	24-Mar-94	10.96	10.70	0.26	17.52	0.12	972.72	972.46	972.70	
LS-21	01-Apr-94	10.40	9.95	0.45	17.45	0.19	973.47	973.02	973.44	
LS-21	07-Apr-94	9.62	9.19	0.43	17.27	0.38	974.23	973.80	974.20	
LS-21	14-Apr-94	8.65	8.55	0.10	16.35	1.29	974.87	974.77	974.86	
LS-21	22-Apr-94	9.63	9.37	0.26	17.51	0.14	974.05	973.79	974.03	
LS-21	29-Apr-94	10.41	10.12	0.29			973.30	973.01	973.28	
LS-21	05-May-94	10.70	10.42	0.28	17.47	0.18	973.00	972.72	972.98	
LS-21	12-May-94	10.87	10.72	0.15	17.50	0.15	972.70	972.55	972.69	
LS-21	20-May-94	10.68	10.35	0.33	17.47	0.20	973.07	972.74	973.05	
LS-21	25-May-94	11.55	11.03	0.52			972.39	971.87	972.35	

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APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
LS-21	02-Jun-94	12.22	11.50	0.72	17.47	0.19	971.92	971.20	971.87	
LS-21	09-Jun-94	12.71	11.83	0.88	17.51	0.15	971.59	970.71	971.53	
LS-21	16-Jun-94	12.93	11.93	1.00	17.25	0.42	971.49	970.49	971.42	
LS-21	24-Jun-94	12.62	12.15	0.47	17.52	0.15	971.27	970.80	971.24	
LS-21	30-Jun-94	12.40	11.90	0.50	17.30	0.36	971.52	971.02	971.48	
LS-21	07-Jul-94	13.09	12.20	0.89	17.22	0.45	971.22	970.33	971.16	
LS-21	14-Jul-94	13.42	12.28	1.14	17.23	0.44	971.14	970.00	971.06	
LS-21	21-Jul-94	12.46	12.09	0.37	17.14	0.51	971.33	970.96	971.30	
LS-21	27-Jul-94	12.78	12.15	0.63	16.57	1.10	971.27	970.64	971.23	
LS-21	04-Aug-94	13.22	12.24	0.98	17.32	0.01	971.18	970.20	971.11	
LS-21	11-Aug-94	13.57	12.32	1.25	17.32	0.31	971.10	969.85	971.01	
LS-21	19-Aug-94	11.88	11.79	0.09	17.32	0.32	971.63	971.54	971.62	
LS-21	25-Aug-94	11.93	11.46	0.47	17.56	0.06	971.96	971.49	971.93	
LS-21	01-Sep-94	13.03	12.03	1.00	17.61	0.03	971.39	970.39	971.32	
LS-21	09-Sep-94	12.85	12.25	0.60	17.52	0.13	971.17	970.57	971.13	
LS-21	15-Sep-94	13.23	12.34	0.89	17.16	0.49	971.08	970.19	971.02	
LS-21	23-Sep-94	13.07	12.20	0.87	17.54	0.11	971.22	970.35	971.16	
LS-21	30-Sep-94	12.04	11.66	0.38	17.48	0.18	971.76	971.38	971.73	
LS-21	04-Oct-94	12.47	11.72	0.75	17.38	0.24	971.70	970.95	971.65	
LS-21	13-Oct-94	13.47	12.03	1.44	17.58	0.06	971.39	969.95	971.29	
LS-21	20-Oct-94	12.96	12.21	0.75	17.22	0.40	971.21	970.46	971.16	
LS-21	27-Oct-94	12.97	12.16	0.81	17.21	0.45	971.26	970.45	971.20	
LS-21	07-Nov-94	13.86	12.17	1.69	17.49	0.18	971.25	969.56	971.13	
LS-21	10-Nov-94	12.61	12.21	0.40			971.21	970.81	971.18	
LS-21	17-Nov-94	12.88	12.22	0.66	17.42	0.24	971.20	970.54	971.15	
LS-21	22-Nov-94	12.54	11.94	0.60	17.57	0.09	971.48	970.88	971.44	
LS-21	01-Dec-94	11.98	11.58	0.40			971.84	971.44	971.81	
LS-21	07-Dec-94	11.21	10.98	0.23			972.44	972.21	972.42	
LS-21	15-Dec-94	12.28	11.46	0.82			971.96	971.14	971.90	
LS-21	20-Dec-94	12.79	11.72	1.07			971.70	970.63	971.63	
LS-21	28-Dec-94	11.45	11.14	0.31			974.78	974.47	974.76	
LS-21	05-Jan-95	11.83	11.41	0.42			972.01	971.59	971.98	
LS-21	12-Jan-95	12.12	11.50	0.62	17.53	0.14	971.92	971.30	971.88	
LS-21	19-Jan-95	10.38	10.36	0.02			973.06	973.04	973.06	
LS-21	02-Feb-95	11.81	11.30	0.51			972.12	971.61	972.08	
LS-21	09-Feb-95	11.90	11.64	0.26			971.78	971.52	971.76	
LS-21	16-Feb-95	12.48	11.71	0.77			971.71	970.94	971.66	
LS-21	23-Feb-95	11.89	11.86	0.03			971.56	971.53	971.56	
LS-21	02-Mar-95	11.60	11.07	0.53	17.60	0.04	972.35	971.82	972.31	
LS-21	16-Mar-95	10.07	9.92	0.15			973.50	973.35	973.49	
LS-21	23-Mar-95	10.77	10.35	0.42			973.07	972.65	973.04	
LS-21	29-Mar-95	11.64	10.99	0.65			972.43	971.78	972.38	
LS-21	06-Apr-95	12.30	11.37	0.93	17.55	0.13	972.05	971.12	971.98	
LS-21	13-Apr-95	12.02	11.18	0.84	17.61	0.07	972.24	971.40	972.18	
LS-21	20-Apr-95	11.65	10.90	0.75			972.52	971.77	972.47	
LS-21	27-Apr-95	12.03	11.36	0.67			972.06	971.39	972.01	
LS-21	04-May-95	12.92	11.57	1.35	17.60	0.07	971.85	970.50	971.76	
LS-21	12-May-95	12.02	11.60	0.42			971.82	971.40	971.79	
LS-21	18-May-95	12.35	11.74	0.61			971.68	971.07	971.64	
LS-21	25-May-95	13.00	11.95	1.05			971.47	970.42	971.40	

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APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
LS-21	01-Jun-95	12.70	12.07	0.63			971.35	970.72	971.31	
LS-21	08-Jun-95	12.61	11.91	0.70	17.48	0.18	971.51	970.81	971.46	
LS-21	15-Jun-95	13.10	12.15	0.95			971.27	970.32	971.20	
LS-21	22-Jun-95	13.54	12.34	1.20			971.08	969.88	971.00	
LS-21	29-Jun-95	12.81	12.32	0.49			971.10	970.61	971.07	
LS-21	07-Jul-95	13.16	12.33	0.83			971.09	970.26	971.03	
LS-21	13-Jul-95	13.18	12.31	0.87			971.11	970.24	971.05	
LS-21	20-Jul-95	13.55	12.40	1.15	14.50	0.17	971.02	969.87	970.94	
LS-21	27-Jul-95	12.92	12.35	0.57			971.07	970.50	971.03	
LS-21	03-Aug-95	13.30	12.43	0.87	17.62	0.06	970.99	970.12	970.93	
LS-21	10-Aug-95	13.20	12.26	0.94	17.55	0.11	971.16	970.22	971.09	
LS-21	17-Aug-95	13.65	12.45	1.20	17.46	0.22	970.97	969.77	970.89	
LS-21	24-Aug-95	13.35	12.56	0.79			970.86	970.07	970.80	
LS-21	31-Aug-95	13.50	12.54	0.96	17.56	0.12	970.88	969.92	970.81	
LS-21	07-Sep-95	13.64	12.53	1.11	17.62	0.06	970.89	969.78	970.81	
LS-21	14-Sep-95	13.01	12.50	0.51			970.92	970.41	970.88	
LS-21	21-Sep-95	13.28	12.50	0.78			970.92	970.14	970.87	
LS-21	28-Sep-95	13.35	12.45	0.90			970.97	970.07	970.91	
LS-21	05-Oct-95	12.98	12.07	0.91			971.35	970.44	971.29	
LS-21	12-Oct-95	13.31	12.11	1.20			971.31	970.11	971.23	
LS-21	19-Oct-95	12.68	12.00	0.68			971.42	970.74	971.37	
LS-21	26-Oct-95	11.20	10.80	0.40			972.62	972.22	972.59	
LS-21	09-Nov-95	11.95	11.10	0.85	17.55	0.13	972.32	971.47	972.26	
LS-21	16-Nov-95	9.80	9.78	0.02	17.55	0.13	973.64	973.62	973.64	
LS-21	30-Nov-95	11.98	11.08	0.90	17.55	0.13	972.34	971.44	972.28	
LS-21	07-Dec-95	12.31	11.40	0.91			972.02	971.11	971.96	
LS-21	15-Dec-95	13.45	11.79	1.66	17.61	0.08	971.63	969.97	971.51	
LS-21	21-Dec-95	12.28	11.77	0.51			971.65	971.14	971.61	
LS-21	04-Jan-96	12.71	11.86	0.85	17.38	0.29	971.56	970.71	971.50	
LS-21	11-Jan-96	12.74	11.84	0.90			971.58	970.68	971.52	
LS-21	18-Jan-96	12.45	11.85	0.60			971.57	970.97	971.53	
LS-21	26-Jan-96	9.90	9.45	0.45			973.97	973.52	973.94	
LS-21	01-Feb-96	10.30	9.95	0.35			973.47	973.12	973.45	
LS-21	08-Feb-96	11.46	10.86	0.60			972.56	971.96	972.52	
LS-21	15-Feb-96						0.00	963.42		Well casing completely filled with ice; no data could be co
LS-21	22-Feb-96						0.00	963.42	963.42	water/ice-filled; cannot measure
LS-21	29-Feb-96		0.00	0.00			0.00	963.42	963.42	Water frozen
LS-21	08-Mar-96	11.35	11.02	0.33			972.40	972.07	972.38	
LS-21	14-Mar-96	11.78	11.05	0.73			972.37	971.64	972.32	
LS-21	21-Mar-96	10.31	10.11	0.20			973.31	973.11	973.30	
LS-21	28-Mar-96	11.19	10.56	0.63			972.86	972.23	972.82	
LS-21	04-Apr-96	11.24	10.52	0.72			972.90	972.18	972.85	
LS-22	07-Jan-94	14.20	0.00	0.00			0.00	971.00	971.00	
LS-22	03-Feb-94	13.82	0.00	0.00			0.00	971.38	971.38	
LS-22	03-Mar-94									Water frozen
LS-22	07-Apr-94	10.84	0.00	0.00			0.00	974.36	974.36	
LS-22	05-May-94	13.14	0.00	0.00			0.00	972.06	972.06	
LS-22	02-Jun-94	13.98	0.00	0.00			0.00	971.22	971.22	
LS-22	07-Jul-94	14.43	0.00	0.00			0.00	970.77	970.77	
LS-22	04-Aug-94	14.46	0.00	0.00			0.00	970.74	970.74	

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APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
LS-22	01-Sep-94	14.34	0.00	0.00			0.00	970.86	970.86	
LS-22	04-Oct-94	13.99	0.00	0.00			0.00	971.21	971.21	
LS-22	07-Nov-94	13.57	0.00	0.00			0.00	971.63	971.63	
LS-22	01-Dec-94	13.31	0.00	0.00			0.00	971.89	971.89	
LS-22	05-Jan-95	13.71	0.00	0.00			0.00	971.49	971.49	
LS-22	02-Feb-95	13.72	0.00	0.00			0.00	971.48	971.48	
LS-22	02-Mar-95	13.19	0.00	0.00			0.00	972.01	972.01	
LS-22	06-Apr-95	13.74	0.00	0.00			0.00	971.46	971.46	
LS-22	04-May-95	13.91	0.00	0.00			0.00	971.29	971.29	
LS-22	01-Jun-95	14.28	0.00	0.00			0.00	970.92	970.92	
LS-22	07-Jul-95	14.57	0.00	0.00			0.00	970.63	970.63	
LS-22	03-Aug-95	14.66	0.00	0.00			0.00	970.54	970.54	
LS-22	07-Sep-95	14.74	0.00	0.00			0.00	970.46	970.46	
LS-22	05-Oct-95	14.25	0.00	0.00			0.00	970.95	970.95	
LS-23	06-Jan-94	14.08	12.94	1.14			971.44	970.30	971.36	
LS-23	13-Jan-94	13.60	13.01	0.59			971.37	970.78	971.33	
LS-23	20-Jan-94	13.29	12.80	0.49			971.58	971.09	971.55	
LS-23	27-Jan-94	13.89	13.10	0.79			971.28	970.49	971.22	
LS-23	03-Feb-94	13.92	13.82	0.10			970.56	970.46	970.55	
LS-23	10-Feb-94	13.53	12.94	0.59			971.44	970.85	971.40	
LS-23	17-Feb-94	14.26	13.23	1.03			971.15	970.12	971.08	
LS-23	25-Feb-94	13.38	12.73	0.65			971.65	971.00	971.60	
LS-23	03-Mar-94	13.52	12.90	0.62			971.48	970.86	971.44	
LS-23	11-Mar-94	12.32	11.86	0.46			972.52	972.06	972.49	
LS-23	17-Mar-94	12.55	12.17	0.38			972.21	971.83	972.18	
LS-23	24-Mar-94	12.02	11.96	0.06			972.42	972.36	972.42	
LS-23	01-Apr-94	13.51	11.73	1.78			972.65	970.87	972.53	
LS-23	07-Apr-94	10.20	10.07	0.13			974.31	974.18	974.30	
LS-23	14-Apr-94	8.88	8.69	0.19			975.69	975.50	975.68	
LS-23	22-Apr-94	11.83	11.28	0.55			973.10	972.55	973.06	
LS-23	29-Apr-94	12.48	11.82	0.66			972.56	971.90	972.51	
LS-23	05-May-94	12.85	12.01	0.84			972.37	971.53	972.31	
LS-23	12-May-94	13.42	12.26	1.16			972.12	970.96	972.04	
LS-23	20-May-94	12.42	12.01	0.41			972.37	971.96	972.34	
LS-23	25-May-94	13.21	12.48	0.73			971.90	971.17	971.85	
LS-23	02-Jun-94	13.77	12.84	0.93			971.54	970.61	971.47	
LS-23	09-Jun-94	14.23	13.01	1.22			971.37	970.15	971.28	
LS-23	16-Jun-94	14.10	13.08	1.02			971.30	970.28	971.23	
LS-23	24-Jun-94	14.19	13.20	0.99			971.18	970.19	971.11	
LS-23	30-Jun-94	13.85	12.92	0.93			971.46	970.53	971.39	
LS-23	07-Jul-94	14.18	13.31	0.87			971.07	970.20	971.01	
LS-23	14-Jul-94	14.49	13.43	1.06			970.95	969.89	970.88	
LS-23	21-Jul-94	14.11	13.15	0.96			971.23	970.27	971.16	
LS-23	27-Jul-94	14.40	13.27	1.13			971.11	969.98	971.03	
LS-23	04-Aug-94	14.26	13.32	0.94			971.06	970.12	970.99	
LS-23	11-Aug-94	14.62	13.43	1.19			970.95	969.76	970.87	
LS-23	19-Aug-94	13.51	12.83	0.68			971.55	970.87	971.50	
LS-23	25-Aug-94	13.51	12.83	0.68			971.55	970.87	971.50	
LS-23	01-Sep-94	13.93	13.29	0.64			971.09	970.45	971.05	
LS-23	09-Sep-94	13.48	13.38	0.10			971.00	970.90	970.99	

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APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
LS-23	15-Sep-94	14.80	13.43	1.37			970.95	969.58	970.85	
LS-23	23-Sep-94	14.70	13.26	1.44			971.12	969.68	971.02	
LS-23	30-Sep-94	13.44	12.77	0.67			971.61	970.94	971.56	
LS-23	04-Oct-94	13.49	12.85	0.64			971.53	970.89	971.49	
LS-23	13-Oct-94	13.83	13.09	0.74			971.29	970.55	971.24	
LS-23	20-Oct-94	14.33	13.30	1.03			971.08	970.05	971.01	
LS-23	27-Oct-94	14.27	13.31	0.96			971.07	970.11	971.00	
LS-23	07-Nov-94	14.23	13.25	0.98			971.13	970.15	971.06	
LS-23	10-Nov-94	14.42	13.28	1.14			971.10	969.96	971.02	
LS-23	17-Nov-94	14.58	13.31	1.27			971.07	969.80	970.98	
LS-23	22-Nov-94	13.96	13.00	0.96			971.38	970.42	971.31	
LS-23	01-Dec-94	13.30	12.76	0.54			971.62	971.08	971.58	
LS-23	07-Dec-94	12.16	12.11	0.05			972.27	972.22	972.27	
LS-23	15-Dec-94	13.65	12.80	0.85			971.58	970.73	971.52	
LS-23	20-Dec-94	13.59	12.90	0.69			971.48	970.79	971.43	
LS-23	28-Dec-94	12.95	12.47	0.48			973.45	972.97	973.42	
LS-23	06-Jan-95	13.75	12.69	1.06			971.69	970.63	971.62	
LS-23	12-Jan-95	13.53	12.71	0.82			971.67	970.85	971.61	
LS-23	19-Jan-95	12.13	11.80	0.33			972.58	972.25	972.56	
LS-23	25-Jan-95	12.40	12.00	0.40			972.38	971.98	972.35	
LS-23	02-Feb-95	13.75	12.63	1.12			971.75	970.63	971.67	
LS-23	09-Feb-95	13.29	12.88	0.41			971.50	971.09	971.47	
LS-23	16-Feb-95	13.68	12.94	0.74			971.44	970.70	971.39	
LS-23	23-Feb-95	13.78	12.92	0.86			971.46	970.60	971.40	
LS-23	02-Mar-95	12.63	12.59	0.04			971.79	971.75	971.79	
LS-23	16-Mar-95	11.46	11.27	0.19			973.11	972.92	973.10	
LS-23	23-Mar-95	12.44	11.83	0.61			972.55	971.94	972.51	
LS-23	29-Mar-95	12.58	12.38	0.20			972.00	971.80	971.99	
LS-23	06-Apr-95	13.49	12.65	0.84			971.73	970.89	971.67	
LS-23	13-Apr-95	12.78	12.35	0.43			972.03	971.60	972.00	
LS-23	20-Apr-95	12.52	12.14	0.38			972.24	971.86	972.21	
LS-23	27-Apr-95	13.52	12.62	0.90			971.76	970.86	971.70	
LS-23	04-May-95	13.95	12.78	1.17			971.60	970.43	971.52	
LS-23	12-May-95	13.53	12.74	0.79			971.64	970.85	971.58	
LS-23	18-May-95	13.80	12.93	0.87			971.45	970.58	971.39	
LS-23	25-May-95	13.72	13.02	0.70			971.36	970.66	971.31	
LS-23	01-Jun-95	14.05	13.13	0.92			971.25	970.33	971.19	
LS-23	08-Jun-95	13.93	13.09	0.84			971.29	970.45	971.23	
LS-23	15-Jun-95	13.94	13.25	0.69			971.13	970.44	971.08	
LS-23	22-Jun-95	14.44	13.39	1.05			970.99	969.94	970.92	
LS-23	29-Jun-95	14.41	13.40	1.01			970.98	969.97	970.91	
LS-23	07-Jul-95	14.61	13.40	1.21			970.98	969.77	970.90	
LS-23	13-Jul-95	14.62	13.34	1.28			971.04	969.76	970.95	
LS-23	20-Jul-95	14.80	13.45	1.35			970.93	969.58	970.84	
LS-23	27-Jul-95	14.72	13.33	1.39			971.05	969.66	970.95	
LS-23	03-Aug-95	15.09	13.48	1.61			970.90	969.29	970.79	
LS-23	10-Aug-95	14.69	13.34	1.35			971.04	969.69	970.95	
LS-23	17-Aug-95	15.20	13.48	1.72			970.90	969.18	970.78	
LS-23	24-Aug-95	14.90	13.54	1.36			970.84	969.48	970.74	
LS-23	31-Aug-95	14.95	13.55	1.40			970.83	969.43	970.73	

APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
LS-23	07-Sep-95	15.02	13.50	1.52			970.88	969.36	970.77	
LS-23	14-Sep-95	15.03	13.49	1.54			970.89	969.35	970.78	
LS-23	21-Sep-95	14.96	13.52	1.44			970.86	969.42	970.76	
LS-23	28-Sep-95	14.71	13.48	1.23			970.90	969.67	970.81	
LS-23	05-Oct-95	14.30	13.11	1.19			971.27	970.08	971.19	
LS-23	12-Oct-95	14.03	13.16	0.87			971.22	970.35	971.16	
LS-23	19-Oct-95	13.78	13.08	0.70			971.30	970.60	971.25	
LS-23	26-Oct-95	12.79	12.33	0.46			972.05	971.59	972.02	
LS-23	09-Nov-95	13.79	12.38	1.41			972.00	970.59	971.90	
LS-23	16-Nov-95	11.73	11.65	0.08			972.73	972.65	972.72	
LS-23	30-Nov-95	13.26	12.49	0.77			971.89	971.12	971.84	
LS-23	07-Dec-95	13.30	12.64	0.66			971.74	971.08	971.69	
LS-23	04-Jan-96	13.61	13.01	0.60			971.37	970.77	971.33	
LS-23	01-Feb-96	12.31	11.56	0.75			972.82	972.07	972.77	
LS-23	22-Feb-96									water/ice-filled; cannot measure
LS-23	08-Mar-96	13.70	12.24	1.46			972.14	970.68	972.04	
LS-23	04-Apr-96	12.70	11.84	0.86			972.54	971.68	972.48	
LS-24	07-Jan-94	15.24	0.00	0.00			0.00	971.34	971.34	
LS-24	13-Jan-94	15.14	0.00	0.00			0.00	971.44	971.44	
LS-24	20-Jan-94	14.93	0.00	0.00			0.00	971.65	971.65	
LS-24	27-Jan-94	15.17	0.00	0.00			0.00	971.41	971.41	
LS-24	03-Feb-94	14.99	0.00	0.00			0.00	971.59	971.59	
LS-24	10-Feb-94	15.12	0.00	0.00			0.00	971.46	971.46	
LS-24	17-Feb-94	15.41	0.00	0.00			0.00	971.17	971.17	
LS-24	25-Feb-94	14.84	0.00	0.00			0.00	971.74	971.74	
LS-24	03-Mar-94	15.02	0.00	0.00			0.00	971.56	971.56	
LS-24	11-Mar-94	13.99	0.00	0.00			0.00	972.59	972.59	
LS-24	17-Mar-94	14.28	0.00	0.00			0.00	972.30	972.30	
LS-24	24-Mar-94	13.99	0.00	0.00			0.00	972.59	972.59	
LS-24	01-Apr-94	13.81	0.00	0.00			0.00	972.77	972.77	
LS-24	07-Apr-94	11.47	0.00	0.00			0.00	975.11	975.11	
LS-24	14-Apr-94	10.32	0.00	0.00			0.00	976.26	976.26	
LS-24	22-Apr-94	13.91	0.00	0.00			0.00	972.67	972.67	
LS-24	29-Apr-94	14.07	0.00	0.00			0.00	972.51	972.51	
LS-24	05-May-94	14.28	0.00	0.00			0.00	972.30	972.30	
LS-24	12-May-94	14.46	0.00	0.00			0.00	972.12	972.12	
LS-24	20-May-94	14.23	0.00	0.00			0.00	972.35	972.35	
LS-24	25-May-94	14.72	0.00	0.00			0.00	971.86	971.86	
LS-24	02-Jun-94	15.12	0.00	0.00			0.00	971.46	971.46	
LS-24	09-Jun-94	15.25	0.00	0.00			0.00	971.33	971.33	
LS-24	16-Jun-94	15.32	0.00	0.00			0.00	971.26	971.26	
LS-24	24-Jun-94	15.44	0.00	0.00			0.00	971.14	971.14	
LS-24	30-Jun-94	15.05	0.00	0.00			0.00	971.53	971.53	
LS-24	07-Jul-94	15.55	0.00	0.00			0.00	971.03	971.03	
LS-24	14-Jul-94	15.67	0.00	0.00			0.00	970.91	970.91	
LS-24	21-Jul-94	15.28	0.00	0.00			0.00	971.30	971.30	
LS-24	27-Jul-94	15.48	0.00	0.00			0.00	971.10	971.10	
LS-24	04-Aug-94	15.54	0.00	0.00			0.00	971.04	971.04	
LS-24	11-Aug-94	15.67	0.00	0.00			0.00	970.91	970.91	
LS-24	19-Aug-94	14.89	0.00	0.00			0.00	971.69	971.69	

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APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
LS-24	25-Aug-94	15.03	0.00	0.00			0.00	971.55	971.55	
LS-24	01-Sep-94	15.43	0.00	0.00			0.00	971.15	971.15	
LS-24	09-Sep-94	15.59	0.00	0.00			0.00	970.99	970.99	
LS-24	15-Sep-94	15.65	0.00	0.00			0.00	970.93	970.93	
LS-24	23-Sep-94	15.38	0.00	0.00			0.00	971.20	971.20	
LS-24	30-Sep-94	14.95	0.00	0.00			0.00	971.63	971.63	
LS-24	04-Oct-94	15.04	0.00	0.00			0.00	971.54	971.54	
LS-24	13-Oct-94						0.00	986.58	986.58	Well development in progress; no monitoring performed
LS-24	20-Oct-94						0.00	986.58	986.58	Well development in progress; no monitoring performed
LS-24	27-Oct-94	15.51	0.00	0.00			0.00	971.07	971.07	
LS-24	07-Nov-94	15.42	0.00	0.00			0.00	971.16	971.16	
LS-24	10-Nov-94	15.48	0.00	0.00			0.00	971.10	971.10	
LS-24	17-Nov-94	15.58	0.00	0.00			0.00	971.00	971.00	
LS-24	22-Nov-94	15.06	0.00	0.00			0.00	971.52	971.52	
LS-24	01-Dec-94	14.94	0.00	0.00			0.00	971.64	971.64	
LS-24	07-Dec-94	14.21	0.00	0.00			0.00	972.37	972.37	
LS-24	15-Dec-94	15.02	0.00	0.00			0.00	971.56	971.56	
LS-24	20-Dec-94	15.13	0.00	0.00			0.00	971.45	971.45	
LS-24	28-Dec-94	14.67	0.00	0.00			0.00	971.25	971.25	
LS-24	05-Jan-95	14.93	0.00	0.00			0.00	971.65	971.65	
LS-24	12-Jan-95	14.96	0.00	0.00			0.00	971.62	971.62	
LS-24	19-Jan-95	13.95	0.00	0.00			0.00	972.63	972.63	
LS-24	25-Jan-95	14.19	0.00	0.00			0.00	972.39	972.39	
LS-24	02-Feb-95	14.86	0.00	0.00			0.00	971.72	971.72	
LS-24	09-Feb-95	15.09	0.00	0.00			0.00	971.49	971.49	
LS-24	16-Feb-95	15.18	0.00	0.00			0.00	971.40	971.40	
LS-24	23-Feb-95	15.13	0.00	0.00			0.00	971.45	971.45	
LS-24	02-Mar-95	14.74	0.00	0.00			0.00	971.84	971.84	
LS-24	16-Mar-95	13.28	0.00	0.00			0.00	973.30	973.30	
LS-24	23-Mar-95	14.03	0.00	0.00			0.00	972.55	972.55	
LS-24	29-Mar-95	14.74	0.00	0.00			0.00	971.84	971.84	
LS-24	06-Apr-95	14.93	0.00	0.00			0.00	971.65	971.65	
LS-24	13-Apr-95	14.22	0.00	0.00			0.00	972.36	972.36	
LS-24	20-Apr-95	14.25	0.00	0.00			0.00	972.33	972.33	
LS-24	27-Apr-95	14.93	0.00	0.00			0.00	971.65	971.65	
LS-24	04-May-95	15.07	0.00	0.00			0.00	971.51	971.51	
LS-24	12-May-95	14.88	0.00	0.00			0.00	971.70	971.70	
LS-24	18-May-95	15.15	0.00	0.00			0.00	971.43	971.43	
LS-24	25-May-95	15.22	0.00	0.00			0.00	971.36	971.36	
LS-24	01-Jun-95	15.42	0.00	0.00			0.00	971.16	971.16	
LS-24	08-Jun-95	15.30	0.00	0.00			0.00	971.28	971.28	
LS-24	15-Jun-95	15.45	0.00	0.00			0.00	971.13	971.13	
LS-24	22-Jun-95	15.63	0.00	0.00			0.00	970.95	970.95	
LS-24	29-Jun-95	15.66	0.00	0.00			0.00	970.92	970.92	
LS-24	07-Jul-95	15.69	0.00	0.00			0.00	970.89	970.89	
LS-24	13-Jul-95	15.59	0.00	0.00			0.00	970.99	970.99	
LS-24	20-Jul-95	15.71	0.00	0.00			0.00	970.87	970.87	
LS-24	27-Jul-95	15.55	0.00	0.00			0.00	971.03	971.03	
LS-24	03-Aug-95	15.76	0.00	0.00			0.00	970.82	970.82	
LS-24	10-Aug-95	15.63	0.00	0.00			0.00	970.95	970.95	

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APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
LS-24	17-Aug-95	15.75	0.00	0.00			0.00	970.83	970.83	
LS-24	24-Aug-95	15.85	0.00	0.00			0.00	970.73	970.73	
LS-24	31-Aug-95	15.83	0.00	0.00			0.00	970.75	970.75	
LS-24	07-Sep-95	15.86	0.00	0.00			0.00	970.72	970.72	
LS-24	14-Sep-95	15.74	0.00	0.00			0.00	970.84	970.84	
LS-24	21-Sep-95	15.77	0.00	0.00			0.00	970.81	970.81	
LS-24	28-Sep-95	15.72	0.00	0.00			0.00	970.86	970.86	
LS-24	05-Oct-95	15.26	0.00	0.00			0.00	971.32	971.32	
LS-24	12-Oct-95	15.40	0.00	0.00			0.00	971.18	971.18	
LS-24	19-Oct-95	15.31	0.00	0.00			0.00	971.27	971.27	
LS-24	26-Oct-95	14.55	0.00	0.00			0.00	972.03	972.03	
LS-24	09-Nov-95	14.57	0.00	0.00			0.00	972.01	972.01	
LS-24	16-Nov-95	13.15	0.00	0.00			0.00	973.43	973.43	
LS-24	30-Nov-95	14.56	0.00	0.00			0.00	972.02	972.02	
LS-24	07-Dec-95	14.91	0.00	0.00			0.00	971.67	971.67	
LS-24	04-Jan-96	15.14	0.00	0.00			0.00	971.44	971.44	
LS-24	01-Feb-96	13.88	0.00	0.00			0.00	972.70	972.70	
LS-24	22-Feb-96						0.00	986.58	986.58	water/ice-filled; cannot measure
LS-24	06-Mar-96	14.42	0.00	0.00			0.00	972.16	972.16	
LS-24	04-Apr-96	14.04	0.00	0.00			0.00	972.54	972.54	
LS-25	07-Jan-94	11.50	0.00	0.00			0.00	974.25	974.25	
LS-25	03-Feb-94	10.33	0.00	0.00			0.00	975.42	975.42	
LS-25	03-Mar-94	10.42	0.00	0.00			0.00	975.33	975.33	
LS-25	07-Apr-94	7.40	0.00	0.00			0.00	978.35	978.35	
LS-25	05-May-94	8.79	0.00	0.00			0.00	976.96	976.96	
LS-25	02-Jun-94	9.46	0.00	0.00			0.00	976.29	976.29	
LS-25	07-Jul-94	10.58	0.00	0.00			0.00	975.17	975.17	
LS-25	04-Aug-94	10.25	0.00	0.00			0.00	975.50	975.50	
LS-25	01-Sep-94	10.48	0.00	0.00			0.00	975.27	975.27	
LS-25	04-Oct-94	10.60	0.00	0.00			0.00	975.15	975.15	
LS-25	07-Nov-94	10.92	0.00	0.00			0.00	974.83	974.83	
LS-25	01-Dec-94	10.46	0.00	0.00			0.00	975.29	975.29	
LS-25	05-Jan-95	10.38	0.00	0.00			0.00	975.37	975.37	
LS-25	02-Feb-95	10.96	0.00	0.00			0.00	974.79	974.79	
LS-25	02-Mar-95	10.08	0.00	0.00			0.00	975.67	975.67	
LS-25	06-Apr-95	9.92	0.00	0.00			0.00	975.83	975.83	
LS-25	04-May-95	10.21	0.00	0.00			0.00	975.54	975.54	
LS-25	01-Jun-95	10.58	0.00	0.00			0.00	975.17	975.17	
LS-25	07-Jul-95	11.33	0.00	0.00			0.00	974.42	974.42	
LS-25	03-Aug-95	11.33	0.00	0.00			0.00	974.42	974.42	
LS-25	07-Sep-95	11.67	0.00	0.00			0.00	974.08	974.08	
LS-25	05-Oct-95	12.88	0.00	0.00			0.00	972.87	972.87	
LS-25	30-Nov-95	11.90	0.00	0.00			0.00	973.85	973.85	
LS-25	22-Feb-96						0.00	985.75	985.75	water/ice-filled; cannot measure
LS-28	30-Nov-95	11.67	0.00	0.00			0.00	974.39	974.39	
LS-28	22-Feb-96	11.36	0.00	0.00			0.00	974.70	974.70	
LS-29	30-Nov-95	16.90	0.00	0.00			0.00	973.73	973.73	
LS-29	22-Feb-96	16.02	0.00	0.00			0.00	974.61	974.61	
LS-30	12-Oct-95	14.31	0.00	0.00	15.76	5.90	0.00	972.13	972.13	
LS-30	19-Oct-95	14.25	0.00	0.00	19.10	2.60	0.00	972.19	972.19	

APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
LS-30	26-Oct-95	13.34	0.00	0.00	19.20	2.56	0.00	970.83	970.83	
LS-30	09-Nov-95	13.57	0.00	0.00	18.38	3.33	0.00	972.87	972.87	
LS-30	16-Nov-95	12.42	0.00	0.00	17.53	4.21	0.00	974.02	974.02	
LS-30	30-Nov-95	13.55	0.00	0.00	19.10	2.68	0.00	972.89	972.89	
LS-30	07-Dec-95	13.69	0.00	0.00	19.01	1.77	0.00	972.75	972.75	
LS-30	15-Dec-95	13.94	0.00	0.00	18.96	2.90	0.00	972.50	972.50	
LS-30	21-Dec-95	13.99	0.00	0.00	19.05	2.94	0.00	972.45	972.45	
LS-30	04-Jan-96	14.12	0.00	0.00	18.45	3.54	0.00	972.32	972.32	
LS-30	11-Jan-96	14.15	0.00	0.00	19.03	3.04	0.00	972.29	972.29	
LS-30	18-Jan-96	14.24	0.00	0.00	19.41	2.66	0.00	972.20	972.20	
LS-30	26-Jan-96	12.31	0.00	0.00	18.87	3.22	0.00	974.13	974.13	
LS-30	01-Feb-96	12.65	0.00	0.00	18.48	3.73	0.00	973.79	973.79	
LS-30	08-Feb-96	13.15	0.00	0.00	19.36	2.83	0.00	973.29	973.29	
LS-30	15-Feb-96	13.62	0.00	0.00	18.98	3.19	0.00	972.82	972.82	
LS-30	22-Feb-96	13.36	0.00	0.00	18.47	3.73	0.00	973.08	973.08	
LS-30	29-Feb-96	12.90	0.00	0.00	19.23	2.97	0.00	973.54	973.54	
LS-30	08-Mar-96	13.29	0.00	0.00	19.50	2.71	0.00	973.15	973.15	
LS-30	14-Mar-96	13.49	0.00	0.00	19.68	2.53	0.00	972.95	972.95	
LS-30	21-Mar-96	13.14	0.00	0.00	19.51	2.70	0.00	973.30	973.30	
LS-30	28-Mar-96	13.13	0.00	0.00	19.77	2.44	0.00	973.31	973.31	
LS-30	04-Apr-96	13.00	0.00	0.00	19.77	2.44	0.00	973.44	973.44	
LS-31	12-Oct-95	15.99	14.69	1.30	20.48	2.45	972.40	971.10	972.31	
LS-31	19-Oct-95	15.25	14.64	0.61	20.67	2.38	970.22	969.61	970.18	
LS-31	26-Oct-95	14.07	0.00	0.00	20.04	3.10	0.00	970.79	970.79	
LS-31	09-Nov-95	14.02	0.00	0.00	20.00	3.09	0.00	973.07	973.07	
LS-31	16-Nov-95	13.29	0.00	0.00	20.00	3.06	0.00	973.80	973.80	
LS-31	30-Nov-95	14.03	0.00	0.00	20.12	2.97	0.00	973.06	973.06	
LS-31	07-Dec-95	14.04	0.00	0.00	20.60	2.46	0.00	973.05	973.05	
LS-31	15-Dec-95	14.16	0.00	0.00	20.64	2.42	0.00	972.93	972.93	
LS-31	21-Dec-95	14.26	0.00	0.00	20.85	2.20	0.00	972.83	972.83	
LS-31	04-Jan-96	14.44	0.00	0.00	20.51	2.54	0.00	972.65	972.65	
LS-31	11-Jan-96	14.44	0.00	0.00	20.58	2.48	0.00	972.65	972.65	
LS-31	18-Jan-96	14.59	0.00	0.00	20.51	2.57	0.00	972.50	972.50	
LS-31	26-Jan-96	13.10	0.00	0.00	19.96	3.10	0.00	973.99	973.99	
LS-31	01-Feb-96	13.19	0.00	0.00	20.35	2.72	0.00	973.90	973.90	
LS-31	08-Feb-96	13.91	0.00	0.00	19.92	3.16	0.00	973.18	973.18	
LS-31	15-Feb-96	14.04	0.00	0.00	20.50	2.64	0.00	973.05	973.05	
LS-31	22-Feb-96	13.93	0.00	0.00	20.38	2.80	0.00	973.16	973.16	
LS-31	29-Feb-96	13.56	0.00	0.00	20.29	2.94	0.00	973.53	973.53	
LS-31	08-Mar-96	13.90	0.00	0.00	20.58	2.65	0.00	973.19	973.19	
LS-31	14-Mar-96	14.00	0.00	0.00	20.81	2.43	0.00	973.09	973.09	
LS-31	21-Mar-96	13.70	0.00	0.00	20.65	2.58	0.00	973.39	973.39	
LS-31	28-Mar-96	13.77	0.00	0.00	20.76	2.51	0.00	973.32	973.32	
LS-31	04-Apr-96	13.62	0.00	0.00	21.11	2.18	0.00	973.47	973.47	
LS-32	07-Nov-94	14.11	14.10	0.01			971.57	971.56	971.57	
LS-32	10-Nov-94	14.09	14.08	0.01			971.59	971.58	971.59	
LS-32	17-Nov-94	14.18	14.11	0.07			971.56	971.40	971.56	
LS-32	22-Nov-94	13.98	13.89	0.09			971.78	971.69	971.77	
LS-32	01-Dec-94	13.68	13.66	0.02			972.01	971.99	972.01	
LS-32	07-Dec-94	13.03	13.02	0.01			972.65	972.64	972.65	

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APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
LS-32	15-Dec-94	13.48	13.39	0.09			972.28	972.19	972.27	
LS-32	20-Dec-94	13.64	13.63	0.01			972.04	972.03	972.04	
LS-32	28-Dec-94	13.12	0.00	0.00			0.00	972.80	972.80	
LS-32	05-Jan-95	13.40	0.00	0.00			0.00	972.27	972.27	
LS-32	12-Jan-95	13.46	0.00	0.00			0.00	972.21	972.21	
LS-32	19-Jan-95	12.57	0.00	0.00			0.00	973.10	973.10	
LS-32	25-Jan-95	12.72	0.00	0.00			0.00	972.95	972.95	
LS-32	02-Feb-95	13.39	0.00	0.00			0.00	972.28	972.28	
LS-32	09-Feb-95	13.60	0.00	0.00			0.00	972.07	972.07	
LS-32	16-Feb-95	13.73	13.72	0.01			971.95	971.94	971.95	
LS-32	23-Feb-95	13.79	13.78	0.01			971.89	971.88	971.89	
LS-32	02-Mar-95	13.45	13.44	0.01			972.23	972.22	972.23	
LS-32	16-Mar-95	12.20	0.00	0.00			0.00	973.47	973.47	
LS-32	23-Mar-95	12.62	0.00	0.00			0.00	973.05	973.05	
LS-32	29-Mar-95	13.21	0.00	0.00			0.00	972.46	972.46	
LS-32	06-Apr-95	13.39	0.00	0.00			0.00	972.28	972.28	
LS-32	13-Apr-95	13.09	0.00	0.00			0.00	972.58	972.58	
LS-32	20-Apr-95	12.99	0.00	0.00			0.00	972.68	972.68	
LS-32	27-Apr-95	13.43	0.00	0.00			0.00	972.24	972.24	
LS-32	04-May-95	13.57	0.00	0.00			0.00	972.10	972.10	
LS-32	12-May-95	13.50	0.00	0.00			0.00	972.17	972.17	
LS-32	18-May-95	13.66	0.00	0.00			0.00	972.01	972.01	
LS-32	25-May-95	13.81	13.78	0.03			971.89	971.86	971.89	
LS-32	01-Jun-95	13.95	0.00	0.00			0.00	971.72	971.72	
LS-32	08-Jun-95	13.81	13.80	0.01			971.87	971.86	971.87	
LS-32	15-Jun-95	14.07	14.02	0.05			971.65	971.60	971.65	
LS-32	22-Jun-95	14.19	14.17	0.02			971.50	971.48	971.50	
LS-32	29-Jun-95	14.27	14.20	0.07			971.47	971.40	971.47	
LS-32	07-Jul-95	14.33	14.31	0.02			971.36	971.34	971.36	
LS-32	13-Jul-95	14.25	14.23	0.02			971.44	971.42	971.44	
LS-32	20-Jul-95	14.36	14.33	0.03			971.34	971.31	971.34	
LS-32	27-Jul-95	14.28	14.24	0.04			971.43	971.39	971.43	
LS-32	03-Aug-95	14.40	14.38	0.02			971.29	971.27	971.29	
LS-32	10-Aug-95	14.18	14.15	0.03			971.52	971.49	971.52	
LS-32	17-Aug-95	14.38	14.35	0.03			971.32	971.29	971.32	
LS-32	24-Aug-95	14.47	14.46	0.01			971.21	971.20	971.21	
LS-32	31-Aug-95	14.50	14.49	0.01			971.18	971.17	971.18	
LS-32	07-Sep-95	14.54	14.53	0.01			971.14	971.13	971.14	
LS-32	14-Sep-95	14.46	14.44	0.02			971.23	971.21	971.23	
LS-32	21-Sep-95	14.45	14.44	0.01			971.23	971.22	971.23	
LS-32	28-Sep-95	14.37	14.36	0.01			971.31	971.30	971.31	
LS-32	05-Oct-95	14.10	14.09	0.01			971.58	971.57	971.58	
LS-32	12-Oct-95	13.92	13.91	0.01			971.76	971.75	971.76	
LS-32	19-Oct-95	13.84	13.83	0.01			971.84	971.83	971.84	
LS-32	26-Oct-95	13.01	0.00	0.00			0.00	972.66	972.66	
LS-32	09-Nov-95	13.13	0.00	0.00			0.00	972.54	972.54	
LS-32	16-Nov-95	11.83	0.00	0.00			0.00	973.84	973.84	
LS-32	30-Nov-95	13.17	0.00	0.00			0.00	972.50	972.50	
LS-32	07-Dec-95	13.33	0.00	0.00			0.00	972.34	972.34	
LS-32	15-Dec-95	13.61	0.00	0.00			0.00	972.06	972.06	

APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
LS-32	21-Dec-95									Not monitored due to slug test
LS-32	04-Jan-96	13.78	0.00	0.00			0.00	971.89	971.89	
LS-32	11-Jan-96	13.79	0.00	0.00			0.00	971.88	971.88	
LS-32	18-Jan-96	13.87	0.00	0.00			0.00	971.80	971.80	
LS-32	26-Jan-96	11.75	0.00	0.00			0.00	973.92	973.92	
LS-32	01-Feb-96	12.30	12.29	0.01			973.38	973.37	973.38	
LS-32	08-Feb-96	12.89	0.00	0.00			0.00	972.78	972.78	
LS-32	15-Feb-96	13.33	0.00	0.00			0.00	972.34	972.34	
LS-32	22-Feb-96	12.58	0.00	0.00			0.00	973.09	973.09	
LS-32	29-Feb-96	12.51	0.00	0.00			0.00	973.16	973.16	
LS-32	08-Mar-96	12.96	0.00	0.00			0.00	972.71	972.71	
LS-32	14-Mar-96	13.14	0.00	0.00			0.00	972.53	972.53	
LS-32	21-Mar-96	12.64	0.00	0.00			0.00	973.03	973.03	
LS-32	28-Mar-96	12.73	0.00	0.00			0.00	972.94	972.94	
LS-32	04-Apr-96	12.60	0.00	0.00			0.00	973.07	973.07	
LS-33	07-Nov-94	15.42	15.07	0.35			971.27	970.92	971.25	
LS-33	10-Nov-94	15.21	15.08	0.13			971.26	971.13	971.25	
LS-33	17-Nov-94	15.47	15.11	0.36			971.23	970.87	971.20	
LS-33	22-Nov-94	14.72	0.00	0.00			0.00	971.62	971.62	
LS-33	01-Dec-94	14.57	14.56	0.01			971.78	971.77	971.78	
LS-33	07-Dec-94	13.89	0.00	0.00			0.00	972.45	972.45	
LS-33	15-Dec-94	14.55	14.53	0.02			971.81	971.79	971.81	
LS-33	20-Dec-94	14.84	14.68	0.16			971.66	971.50	971.65	
LS-33	28-Dec-94	14.22	14.21	0.01			971.71	971.70	971.71	
LS-33	05-Jan-95	14.61	14.48	0.13			971.86	971.73	971.85	
LS-33	12-Jan-95	14.60	14.51	0.09			971.83	971.74	971.82	
LS-33	19-Jan-95	13.61	13.57	0.04			972.77	972.73	972.77	
LS-33	25-Jan-95	14.67	13.74	0.93			972.60	971.67	972.53	
LS-33	02-Feb-95	14.41	0.00	0.00			0.00	971.93	971.93	
LS-33	09-Feb-95	14.71	14.65	0.06			971.69	971.63	971.69	
LS-33	16-Feb-95	14.99	14.78	0.21			971.56	971.35	971.55	
LS-33	23-Feb-95	14.87	14.76	0.11			971.58	971.47	971.57	
LS-33	02-Mar-95	14.39	0.00	0.00			0.00	971.95	971.95	
LS-33	16-Mar-95	14.18	12.98	1.20			973.36	972.16	973.28	
LS-33	23-Mar-95	14.35	13.59	0.76			972.75	971.99	972.70	
LS-33	29-Mar-95	14.34	0.00	0.00			0.00	972.00	972.00	
LS-33	06-Apr-95	14.48	14.47	0.01			971.87	971.86	971.87	
LS-33	13-Apr-95	13.97	0.00	0.00			0.00	972.37	972.37	
LS-33	20-Apr-95	13.92	0.00	0.00			0.00	972.42	972.42	
LS-33	27-Apr-95	15.20	14.54	0.66			971.80	971.14	971.75	
LS-33	04-May-95	14.65	14.64	0.01			971.70	971.69	971.70	
LS-33	12-May-95	14.48	0.00	0.00			0.00	971.86	971.86	
LS-33	18-May-95	15.55	14.70	0.85			971.64	970.12	970.91	
LS-33	25-May-95	15.23	14.81	0.42			971.53	971.11	971.50	
LS-33	01-Jun-95	15.62	14.95	0.67			971.39	970.72	971.34	
LS-33	08-Jun-95	15.21	15.02	0.19			971.32	971.13	971.31	
LS-33	15-Jun-95	15.39	15.01	0.38			971.33	970.95	971.30	
LS-33	22-Jun-95	15.82	15.21	0.61			971.13	970.52	971.09	
LS-33	29-Jun-95	15.33	15.22	0.11			971.12	971.01	971.11	
LS-33	07-Jul-95	15.32	15.31	0.01			971.03	971.02	971.03	

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APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
LS-33	13-Jul-95	15.22	15.21	0.01			971.13	971.12	971.13	
LS-33	20-Jul-95	15.32	0.00	0.00			0.00	971.02	971.02	
LS-33	27-Jul-95	15.18	0.00	0.00			0.00	971.16	971.16	
LS-33	03-Aug-95	15.38	0.00	0.00			0.00	970.96	970.96	
LS-33	10-Aug-95	15.42	15.20	0.22			971.14	970.92	971.12	
LS-33	17-Aug-95	15.52	15.35	0.17			970.99	970.82	970.96	
LS-33	24-Aug-95	15.59	15.47	0.12			970.87	970.75	970.86	
LS-33	31-Aug-95	15.49	0.00	0.00			0.00	970.85	970.85	
LS-33	07-Sep-95	15.79	15.60	0.19			970.74	970.55	970.73	
LS-33	14-Sep-95	15.41	15.39	0.02			970.95	970.93	970.95	
LS-33	21-Sep-95	15.41	15.39	0.02			970.95	970.93	970.95	
LS-33	28-Sep-95	15.76	15.33	0.43			971.01	970.58	970.98	
LS-33	05-Oct-95	14.91	0.00	0.00			0.00	971.43	971.43	
LS-33	12-Oct-95	15.60	14.95	0.65			971.39	970.74	971.34	
LS-33	19-Oct-95	15.24	14.85	0.39			971.49	971.10	971.46	
LS-33	26-Oct-95	14.55	14.10	0.45			972.24	971.79	972.21	
LS-33	09-Nov-95	14.78	14.10	0.68			972.24	971.56	972.19	
LS-33	16-Nov-95	13.59	12.94	0.65			973.40	972.75	973.35	
LS-33	30-Nov-95	15.00	14.30	0.70			972.04	971.34	971.99	
LS-33	07-Dec-95	14.55	14.43	0.12			971.91	971.79	971.90	
LS-33	15-Dec-95	15.11	14.94	0.17			971.40	971.23	971.39	
LS-33	21-Dec-95									Not monitored due to slug test
LS-33	04-Jan-96	15.55	14.75	0.80			971.59	970.79	971.53	
LS-33	11-Jan-96	14.91	14.75	0.16			971.59	971.43	971.58	
LS-33	18-Jan-96	15.11	14.75	0.36			971.59	971.23	971.56	
LS-33	26-Jan-96	12.94	12.50	0.44			973.84	973.40	973.81	
LS-33	01-Feb-96	13.91	13.29	0.62			973.05	972.43	973.01	
LS-33	08-Feb-96	14.68	14.08	0.60			972.26	971.66	972.22	
LS-33	15-Feb-96	14.44	14.43	0.01			971.91	971.90	971.91	
LS-33	22-Feb-96	13.12	13.10	0.02			973.24	973.22	973.24	
LS-33	29-Feb-96	13.90	13.47	0.43			972.87	972.44	972.84	
LS-33	08-Mar-96	14.54	14.00	0.54			972.34	971.80	972.30	
LS-33	14-Mar-96	14.17	14.15	0.02			972.19	972.17	972.19	
LS-33	21-Mar-96	13.46	13.44	0.02			972.90	972.88	972.90	
LS-33	28-Mar-96	14.22	13.76	0.46			972.58	972.12	972.55	
LS-33	04-Apr-96	14.29	13.57	0.72			972.77	972.05	972.72	
LS-34	04-Jan-96	13.72	0.00	0.00			0.00	972.07	972.07	DNAPL through column
LS-34	11-Jan-96	13.69	0.00	0.00			0.00	972.10	972.10	
LS-34	18-Jan-96	13.70	0.00	0.00			0.00	972.09	972.09	
LS-34	26-Jan-96	11.73	0.00	0.00			0.00	974.06	974.06	
LS-34	01-Feb-96	12.15	0.00	0.00	24.10	3.96	0.00	973.64	973.64	
LS-34	08-Feb-96	12.88	0.00	0.00	24.29	3.90	0.00	972.91	972.91	
LS-34	15-Feb-96	13.28	0.00	0.00	24.84	3.36	0.00	972.51	972.51	
LS-34	22-Feb-96	12.26	0.00	0.00	25.05	3.15	0.00	973.53	973.53	
LS-34	29-Feb-96	12.40	0.00	0.00	24.59	3.57	0.00	973.39	973.39	
LS-34	08-Mar-96	12.87	0.00	0.00	24.64	3.56	0.00	972.92	972.92	
LS-34	14-Mar-96	13.07	0.00	0.00	25.28	2.92	0.00	972.72	972.72	
LS-34	21-Mar-96	12.44	0.00	0.00	25.76	2.58	0.00	973.35	973.35	
LS-34	28-Mar-96	12.67	0.00	0.00	25.86	2.50	0.00	973.12	973.12	
LS-34	04-Apr-96	12.58	0.00	0.00	26.10	2.22	0.00	973.21	973.21	

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APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
LS-35	30-Nov-95	14.82	14.80	0.02			972.00	971.98	972.00	
LS-35	07-Dec-95	15.24	15.13	0.11			971.67	971.56	971.66	
LS-35	04-Jan-96	15.56	15.41	0.15			971.39	971.24	971.38	
LS-35	01-Feb-96	14.13	14.12	0.01			972.68	972.67	972.68	
LS-35	22-Feb-96	13.57	0.00	0.00			0.00	973.23	973.23	
LS-35	08-Mar-96	14.72	14.67	0.05			972.13	972.08	972.13	
LS-35	04-Apr-96	14.44	14.30	0.14			972.50	972.36	972.49	
LS-36	30-Nov-95	17.65	0.00	0.00			0.00	972.42	972.42	
LS-36	22-Feb-96	16.18	0.00	0.00			0.00	973.89	973.89	
LS-37	30-Nov-95	12.61	0.00	0.00			0.00	977.01	977.01	
LS-37	22-Feb-96	11.72	0.00	0.00			0.00	977.90	977.90	
LS-38	30-Nov-95	15.02	0.00	0.00			0.00	971.93	971.93	
LS-38	07-Dec-95	15.11	0.00	0.00			0.00	971.84	971.84	
LS-38	04-Jan-96	15.39	0.00	0.00			0.00	971.56	971.56	
LS-38	01-Feb-96	14.10	0.00	0.00			0.00	972.85	972.85	
LS-38	22-Feb-96	13.49	0.00	0.00			0.00	973.46	973.46	
LS-38	08-Mar-96	14.67	0.00	0.00			0.00	972.28	972.28	
LS-38	04-Apr-96	14.27	0.00	0.00			0.00	972.68	972.68	
LS-41	04-Jan-96	14.69	0.00	0.00			0.00	971.72	971.72	
LS-41	11-Jan-96	14.73	0.00	0.00			0.00	971.68	971.68	
LS-41	18-Jan-96	14.76	0.00	0.00			0.00	971.65	971.65	
LS-41	26-Jan-96	12.65	12.63	0.02			973.78	973.76	973.78	
LS-41	01-Feb-96	14.12	13.22	0.90			973.19	972.29	973.13	
LS-41	08-Feb-96	14.47	13.91	0.56			972.50	971.94	972.46	
LS-41	15-Feb-96	16.05	14.41	1.64			972.00	970.36	971.89	
LS-41	22-Feb-96	13.89	13.25	0.64			973.16	972.52	973.12	
LS-41	29-Feb-96	14.32	13.39	0.93			973.02	972.09	972.95	
LS-41	08-Mar-96	14.55	13.88	0.67			972.53	971.86	972.48	
LS-41	14-Mar-96	15.30	14.04	1.26			972.37	971.11	972.28	
LS-41	21-Mar-96	14.46	13.44	1.02			972.97	971.95	972.90	
LS-41	28-Mar-96	14.58	13.64	0.94			972.77	971.83	972.70	
LS-41	04-Apr-96	14.62	13.47	1.15			972.94	971.79	972.86	
P-1	07-Jan-94	7.31	7.30	0.01			971.01	971.00	971.01	
P-1	13-Jan-94	7.20	7.18	0.02			971.13	971.11	971.13	
P-1	20-Jan-94	6.98	0.00	0.00			0.00	971.33	971.33	
P-1	27-Jan-94	7.15	7.14	0.01			971.17	971.16	971.17	
P-1	03-Feb-94	7.06	7.02	0.04			971.29	971.25	971.29	
P-1	10-Feb-94	7.17	7.16	0.01			971.15	971.14	971.15	
P-1	17-Feb-94	7.44	7.43	0.01			970.88	970.87	970.88	
P-1	25-Feb-94	6.88	6.85	0.03			971.46	971.43	971.46	
P-1	03-Mar-94	7.04	7.03	0.01			971.28	971.27	971.28	
P-1	11-Mar-94	5.70	0.00	0.00			0.00	972.61	972.61	
P-1	17-Mar-94	6.15	6.12	0.03			972.19	972.16	972.19	
P-1	24-Mar-94	5.88	5.86	0.02			972.45	972.43	972.45	
P-1	01-Apr-94	5.69	0.00	0.00			0.00	972.62	972.62	
P-1	07-Apr-94	3.62	0.00	0.00			0.00	974.69	974.69	
P-1	14-Apr-94	2.24	0.00	0.00			0.00	976.07	976.07	
P-1	22-Apr-94	5.36	0.00	0.00			0.00	972.95	972.95	
P-1	29-Apr-94	5.94	5.92	0.02			972.39	972.37	972.39	
P-1	05-May-94	6.13	6.12	0.01			972.19	972.18	972.19	

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APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
P-1	12-May-94	6.48	6.39	0.09			971.92	971.83	971.91	
P-1	20-May-94	6.11	6.03	0.08			972.28	972.20	972.27	
P-1	25-May-94	7.13	6.81	0.32			971.50	971.18	971.48	
P-1	02-Jun-94	7.30	7.22	0.08			971.09	971.01	971.08	
P-1	09-Jun-94	7.42	7.37	0.05			970.94	970.89	970.94	
P-1	16-Jun-94	7.44	7.40	0.04			970.91	970.87	970.91	
P-1	24-Jun-94	7.56	7.55	0.01			970.76	970.75	970.76	
P-1	30-Jun-94	7.11	0.00	0.00			0.00	971.20	971.20	
P-1	07-Jul-94	7.64	7.63	0.01			970.68	970.67	970.68	
P-1	14-Jul-94	7.71	7.70	0.01			970.61	970.60	970.61	
P-1	21-Jul-94	7.31	7.30	0.01			971.01	971.00	971.01	
P-1	27-Jul-94	7.57	7.56	0.01			970.75	970.74	970.75	
P-1	04-Aug-94	7.64	7.60	0.04			970.71	970.67	970.71	
P-1	11-Aug-94	7.74	0.00	0.00			0.00	970.57	970.57	
P-1	19-Aug-94	6.87	6.86	0.01			971.45	971.44	971.45	
P-1	25-Aug-94	7.15	7.09	0.06			971.22	971.16	971.22	
P-1	01-Sep-94	7.54	0.00	0.00			0.00	970.77	970.77	
P-1	09-Sep-94	7.67	7.62	0.05			970.69	970.64	970.69	
P-1	15-Sep-94	7.71	7.70	0.01			970.61	970.60	970.61	
P-1	23-Sep-94	7.44	7.42	0.02			970.89	970.87	970.89	
P-1	30-Sep-94	7.03	7.02	0.01			971.29	971.28	971.29	
P-1	04-Oct-94	7.08	7.03	0.05			971.28	971.23	971.28	
P-1	13-Oct-94	7.31	7.30	0.01			971.01	971.00	971.01	
P-1	20-Oct-94	7.70	7.58	0.12			970.73	970.61	970.72	
P-1	27-Oct-94	7.56	7.55	0.01			970.76	970.75	970.76	
P-1	07-Nov-94	7.44	7.43	0.01			970.88	970.87	970.88	
P-1	10-Nov-94	7.49	7.48	0.01			970.83	970.82	970.83	
P-1	17-Nov-94	7.55	7.54	0.01			970.77	970.76	970.77	
P-1	22-Nov-94	7.00	0.00	0.00			0.00	971.31	971.31	
P-1	01-Dec-94	6.92	6.91	0.01			971.40	971.39	971.40	
P-1	07-Dec-94	6.07	6.05	0.02			972.26	972.24	972.26	
P-1	15-Dec-94	7.06	7.05	0.01			971.26	971.25	971.26	
P-1	20-Dec-94	7.18	7.16	0.02			971.15	971.13	971.15	
P-1	28-Dec-94	6.58	6.56	0.02			979.36	979.34	979.36	
P-1	05-Jan-95	7.10	0.00	0.00			0.00	971.21	971.21	
P-1	12-Jan-95	7.00	6.99	0.01			971.32	971.31	971.32	
P-1	19-Jan-95	5.80	5.79	0.01			972.52	972.51	972.52	
P-1	25-Jan-95	6.07	6.00	0.07			972.31	972.24	972.31	
P-1	02-Feb-95	6.97	6.94	0.03			971.37	971.34	971.37	
P-1	09-Feb-95	7.21	7.20	0.01			971.11	971.10	971.11	
P-1	16-Feb-95	7.24	7.23	0.01			971.08	971.07	971.08	
P-1	23-Feb-95	7.19	0.00	0.00			0.00	971.12	971.12	
P-1	02-Mar-95	6.77	6.76	0.01			971.55	971.54	971.55	
P-1	16-Mar-95	5.23	0.00	0.00			0.00	973.08	973.08	
P-1	23-Mar-95	5.88	5.87	0.01			972.44	972.43	972.44	
P-1	29-Mar-95	6.98	0.00	0.00			0.00	971.33	971.33	
P-1	06-Apr-95	7.04	7.00	0.04			971.31	971.27	971.31	
P-1	13-Apr-95	6.30	6.28	0.02			972.03	972.01	972.03	
P-1	20-Apr-95	6.18	6.16	0.02			972.15	972.13	972.15	
P-1	27-Apr-95	7.09	7.08	0.01			971.23	971.22	971.23	

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APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
P-1	04-May-95	7.22	7.16	0.06			971.15	971.09	971.15	
P-1	12-May-95	6.98	6.93	0.05			971.38	971.33	971.38	
P-1	18-May-95	7.23	7.21	0.02			971.10	971.08	971.10	
P-1	25-May-95	7.29	7.28	0.01			971.03	971.02	971.03	
P-1	01-Jun-95	7.50	7.48	0.02			970.83	970.81	970.83	
P-1	08-Jun-95	7.39	7.37	0.02			970.94	970.92	970.94	
P-1	15-Jun-95	7.56	7.54	0.02			970.77	970.75	970.77	
P-1	22-Jun-95	7.71	7.70	0.01			970.61	970.60	970.61	
P-1	29-Jun-95	7.72	7.71	0.01			970.60	970.59	970.60	
P-1	07-Jul-95	7.74	7.73	0.01			970.58	970.57	970.58	
P-1	13-Jul-95	7.65	7.64	0.01			970.67	970.66	970.67	
P-1	20-Jul-95	7.76	7.75	0.01			970.56	970.55	970.56	
P-1	27-Jul-95	7.60	7.59	0.01			970.72	970.71	970.72	
P-1	03-Aug-95	7.81	7.80	0.01			970.51	970.50	970.51	
P-1	10-Aug-95	7.68	0.00	0.00			0.00	970.63	970.63	
P-1	17-Aug-95	7.79	7.78	0.01			970.53	970.52	970.53	
P-1	24-Aug-95	7.88	7.59	0.29			970.72	970.43	970.70	
P-1	31-Aug-95	7.86	7.86	0.01			970.46	970.45	970.46	
P-1	07-Sep-95	7.90	0.00	0.00			0.00	970.41	970.41	
P-1	14-Sep-95	7.75	0.00	0.00			0.00	970.56	970.56	
P-1	21-Sep-95	7.77	0.00	0.00			0.00	970.54	970.54	
P-1	28-Sep-95	7.71	0.00	0.00			0.00	970.60	970.60	
P-1	06-Oct-95	7.22	0.00	0.00			0.00	971.09	971.09	
P-1	12-Oct-95	7.46	7.43	0.03			970.88	970.85	970.88	
P-1	19-Oct-95	7.35	7.34	0.01			970.97	970.96	970.97	
P-1	26-Oct-95	6.36	0.00	0.00			0.00	971.95	971.95	
P-1	09-Nov-95	6.51	6.45	0.06			971.86	971.80	971.86	
P-1	16-Nov-95	5.00	0.00	0.00			0.00	973.31	973.31	
P-1	30-Nov-95	6.83	6.82	0.01			971.49	971.48	971.49	
P-1	07-Dec-95	6.94	6.93	0.01			971.38	971.37	971.38	
P-1	15-Dec-95	7.34	7.33	0.01			970.98	970.97	970.98	
P-1	21-Dec-95	7.22	7.21	0.01			971.10	971.09	971.10	
P-1	04-Jan-96	7.15	7.11	0.04			971.20	971.16	971.20	
P-1	11-Jan-96	7.15	7.10	0.05			971.21	971.16	971.21	
P-1	18-Jan-96	7.12	7.08	0.04			971.23	971.19	971.23	
P-1	26-Jan-96	4.90	4.86	0.04			973.45	973.41	973.45	
P-1	01-Feb-96	5.67	5.65	0.02			972.66	972.64	972.66	
P-1	08-Feb-96	6.48	6.46	0.02			971.85	971.83	971.85	
P-1	15-Feb-96	7.09	7.06	0.03			971.25	971.22	971.25	
P-1	22-Feb-96	5.36	0.00	0.00			0.00	972.95	972.95	
P-1	29-Feb-96	5.72	0.00	0.00			0.00	972.59	972.59	
P-1	06-Mar-96	6.30	6.29	0.01			972.02	972.01	972.02	
P-1	14-Mar-96	6.68	6.66	0.02			971.65	971.63	971.65	
P-1	21-Mar-96	7.57	7.55	0.02			970.76	970.74	970.76	
P-1	28-Mar-96	6.03	6.02	0.01			972.29	972.28	972.29	
P-1	04-Apr-96	5.92	0.00	0.00			0.00	972.39	972.39	
P-2	07-Jan-94	5.18	0.00	0.00			0.00	971.02	971.02	
P-2	13-Jan-94	5.06	0.00	0.00			0.00	971.14	971.14	
P-2	20-Jan-94	4.81	0.00	0.00			0.00	971.39	971.39	
P-2	27-Jan-94	5.03	0.00	0.00			0.00	971.17	971.17	

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APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
P-2	03-Feb-94	4.89	0.00	0.00			0.00	971.31	971.31	
P-2	10-Feb-94	5.04	0.00	0.00			0.00	971.16	971.16	
P-2	17-Feb-94	5.30	0.00	0.00			0.00	970.90	970.90	
P-2	25-Feb-94	4.73	0.00	0.00			0.00	971.47	971.47	
P-2	03-Mar-94	4.91	0.00	0.00			0.00	971.29	971.29	
P-2	11-Mar-94	3.54	0.00	0.00			0.00	972.66	972.66	
P-2	17-Mar-94	4.14	0.00	0.00			0.00	972.06	972.06	
P-2	24-Mar-94	3.88	0.00	0.00			0.00	972.32	972.32	
P-2	01-Apr-94	3.76	0.00	0.00			0.00	972.44	972.44	
P-2	07-Apr-94	0.92	0.00	0.00			0.00	975.28	975.28	
P-2	14-Apr-94									Under Water
P-2	22-Apr-94	3.65	0.00	0.00			0.00	972.55	972.55	
P-2	29-Apr-94	4.13	0.00	0.00			0.00	972.07	972.07	
P-2	05-May-94	4.32	0.00	0.00			0.00	971.88	971.88	
P-2	12-May-94	4.43	0.00	0.00			0.00	971.77	971.77	
P-2	20-May-94	4.15	0.00	0.00			0.00	972.05	972.05	
P-2	25-May-94	4.74	0.00	0.00			0.00	971.46	971.46	
P-2	02-Jun-94	5.13	0.00	0.00			0.00	971.07	971.07	
P-2	09-Jun-94	5.25	0.00	0.00			0.00	970.95	970.95	
P-2	16-Jun-94	5.30	0.00	0.00			0.00	970.90	970.90	
P-2	24-Jun-94	5.42	0.00	0.00			0.00	970.78	970.78	
P-2	30-Jun-94	4.97	0.00	0.00			0.00	971.23	971.23	
P-2	07-Jul-94	5.52	0.00	0.00			0.00	970.68	970.68	
P-2	14-Jul-94	5.60	0.00	0.00			0.00	970.60	970.60	
P-2	21-Jul-94	5.20	0.00	0.00			0.00	971.00	971.00	
P-2	27-Jul-94	5.44	0.00	0.00			0.00	970.76	970.76	
P-2	04-Aug-94	5.48	0.00	0.00			0.00	970.72	970.72	
P-2	11-Aug-94	5.64	0.00	0.00			0.00	970.56	970.56	
P-2	19-Aug-94	4.75	0.00	0.00			0.00	971.45	971.45	
P-2	25-Aug-94	5.00	0.00	0.00			0.00	971.20	971.20	
P-2	01-Sep-94	5.38	0.00	0.00			0.00	970.82	970.82	
P-2	09-Sep-94	5.53	0.00	0.00			0.00	970.67	970.67	
P-2	15-Sep-94	5.59	0.00	0.00			0.00	970.61	970.61	
P-2	23-Sep-94	5.28	0.00	0.00			0.00	970.92	970.92	
P-2	30-Sep-94	4.89	0.00	0.00			0.00	971.31	971.31	
P-2	04-Oct-94	4.93	0.00	0.00			0.00	971.27	971.27	
P-2	13-Oct-94	5.19	0.00	0.00			0.00	971.01	971.01	
P-2	20-Oct-94	5.45	0.00	0.00			0.00	970.75	970.75	
P-2	27-Oct-94	5.41	0.00	0.00			0.00	970.79	970.79	
P-2	07-Nov-94	5.30	0.00	0.00			0.00	970.90	970.90	
P-2	10-Nov-94	5.35	0.00	0.00			0.00	970.85	970.85	
P-2	17-Nov-94	5.44	0.00	0.00			0.00	970.76	970.76	
P-2	22-Nov-94	4.89	0.00	0.00			0.00	971.31	971.31	
P-2	01-Dec-94	4.82	0.00	0.00			0.00	971.38	971.38	
P-2	07-Dec-94	4.04	0.00	0.00			0.00	972.16	972.16	
P-2	15-Dec-94	4.94	0.00	0.00			0.00	971.26	971.26	
P-2	20-Dec-94	5.08	0.00	0.00			0.00	971.12	971.12	
P-2	28-Dec-94	4.58	0.00	0.00			0.00	981.34	981.34	
P-2	05-Jan-95	4.84	0.00	0.00			0.00	971.36	971.36	
P-2	12-Jan-95	4.87	0.00	0.00			0.00	971.33	971.33	

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APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
P-2	19-Jan-95	3.86	0.00	0.00			0.00	972.34	972.34	
P-2	25-Jan-95	4.14	0.00	0.00			0.00	972.06	972.06	
P-2	02-Feb-95	4.80	0.00	0.00			0.00	971.40	971.40	
P-2	09-Feb-95	5.05	0.00	0.00			0.00	971.15	971.15	
P-2	16-Feb-95	5.08	0.00	0.00			0.00	971.12	971.12	
P-2	23-Feb-95	5.04	0.00	0.00			0.00	971.16	971.16	
P-2	02-Mar-95	4.64	0.00	0.00			0.00	971.56	971.56	
P-2	16-Mar-95	3.15	0.00	0.00			0.00	973.05	973.05	
P-2	23-Mar-95	3.96	0.00	0.00			0.00	972.24	972.24	
P-2	29-Mar-95	4.72	0.00	0.00			0.00	971.48	971.48	
P-2	06-Apr-95	4.94	0.00	0.00			0.00	971.26	971.26	
P-2	13-Apr-95	3.98	0.00	0.00			0.00	972.22	972.22	
P-2	20-Apr-95	4.17	0.00	0.00			0.00	972.03	972.03	
P-2	27-Apr-95	4.94	0.00	0.00			0.00	971.26	971.26	
P-2	04-May-95	5.04	0.00	0.00			0.00	971.16	971.16	
P-2	12-May-95	4.78	0.00	0.00			0.00	971.42	971.42	
P-2	18-May-95	5.09	0.00	0.00			0.00	971.11	971.11	
P-2	25-May-95	5.16	0.00	0.00			0.00	971.04	971.04	
P-2	01-Jun-95	5.35	0.00	0.00			0.00	970.85	970.85	
P-2	08-Jun-95	5.25	0.00	0.00			0.00	970.95	970.95	
P-2	15-Jun-95	5.40	0.00	0.00			0.00	970.80	970.80	
P-2	22-Jun-95	5.57	0.00	0.00			0.00	970.63	970.63	
P-2	29-Jun-95	5.61	0.00	0.00			0.00	970.59	970.59	
P-2	07-Jul-95	5.62	0.00	0.00			0.00	970.58	970.58	
P-2	13-Jul-95	5.55	0.00	0.00			0.00	970.65	970.65	
P-2	20-Jul-95	5.65	0.00	0.00			0.00	970.55	970.55	
P-2	27-Jul-95	5.48	0.00	0.00			0.00	970.72	970.72	
P-2	03-Aug-95	5.68	0.00	0.00			0.00	970.52	970.52	
P-2	10-Aug-95	5.57	0.00	0.00			0.00	970.63	970.63	
P-2	17-Aug-95	5.67	0.00	0.00			0.00	970.53	970.53	
P-2	24-Aug-95	5.76	0.00	0.00			0.00	970.44	970.44	
P-2	31-Aug-95	5.75	0.00	0.00			0.00	970.45	970.45	
P-2	07-Sep-95	5.79	0.00	0.00			0.00	970.41	970.41	
P-2	14-Sep-95	5.66	0.00	0.00			0.00	970.54	970.54	
P-2	21-Sep-95	5.66	0.00	0.00			0.00	970.54	970.54	
P-2	28-Sep-95	5.60	0.00	0.00			0.00	970.60	970.60	
P-2	05-Oct-95	5.12	0.00	0.00			0.00	971.08	971.08	
P-2	12-Oct-95	5.34	0.00	0.00			0.00	970.86	970.86	
P-2	19-Oct-95	5.26	0.00	0.00			0.00	970.94	970.94	
P-2	26-Oct-95	4.48	0.00	0.00			0.00	971.72	971.72	
P-2	09-Nov-95	4.47	0.00	0.00			0.00	971.73	971.73	
P-2	16-Nov-95	2.98	0.00	0.00			0.00	973.22	973.22	
P-2	30-Nov-95	4.76	0.00	0.00			0.00	971.44	971.44	
P-2	07-Dec-95	4.84	0.00	0.00			0.00	971.36	971.36	
P-2	04-Jan-96	5.03	0.00	0.00			0.00	971.17	971.17	
P-2	01-Feb-96	3.94	0.00	0.00			0.00	972.26	972.26	
P-2	22-Feb-96	2.56	0.00	0.00			0.00	973.64	973.64	
P-2	08-Mar-96	4.39	0.00	0.00			0.00	971.81	971.81	
P-2	04-Apr-96	3.98	0.00	0.00			0.00	972.22	972.22	
P-3	07-Jan-94	9.22	9.21	0.01			971.10	971.09	971.10	

APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
P-3	13-Jan-94	9.12	9.11	0.01			971.20	971.19	971.20	
P-3	20-Jan-94	8.90	0.00	0.00			0.00	971.41	971.41	
P-3	27-Jan-94	9.15	0.00	0.00			0.00	971.16	971.16	
P-3	03-Feb-94	8.93	0.00	0.00			0.00	971.38	971.38	
P-3	10-Feb-94	9.05	0.00	0.00			0.00	971.26	971.26	
P-3	17-Feb-94	9.36	0.00	0.00			0.00	970.95	970.95	
P-3	25-Feb-94	8.80	0.00	0.00			0.00	971.51	971.51	
P-3	03-Mar-94	8.98	0.00	0.00			0.00	971.33	971.33	
P-3	11-Mar-94	7.75	0.00	0.00			0.00	972.56	972.56	
P-3	17-Mar-94	8.20	0.00	0.00			0.00	972.11	972.11	
P-3	24-Mar-94	7.95	0.00	0.00			0.00	972.36	972.36	
P-3	01-Apr-94	7.77	0.00	0.00			0.00	972.54	972.54	
P-3	07-Apr-94	5.64	0.00	0.00			0.00	974.67	974.67	
P-3	14-Apr-94	4.28	0.00	0.00			0.00	976.03	976.03	
P-3	22-Apr-94	7.47	0.00	0.00			0.00	972.84	972.84	
P-3	29-Apr-94	8.00	0.00	0.00			0.00	972.31	972.31	
P-3	05-May-94	8.22	0.00	0.00			0.00	972.09	972.09	
P-3	12-May-94	8.45	0.00	0.00			0.00	971.86	971.86	
P-3	20-May-94	8.14	0.00	0.00			0.00	972.17	972.17	
P-3	25-May-94	8.68	8.67	0.01			971.64	971.63	971.64	
P-3	02-Jun-94	9.04	0.00	0.00			0.00	971.27	971.27	
P-3	09-Jun-94	9.20	0.00	0.00			0.00	971.11	971.11	
P-3	16-Jun-94	9.26	0.00	0.00			0.00	971.05	971.05	
P-3	24-Jun-94	9.42	0.00	0.00			0.00	970.89	970.89	
P-3	30-Jun-94	9.02	0.00	0.00			0.00	971.29	971.29	
P-3	07-Jul-94	9.49	0.00	0.00			0.00	970.82	970.82	
P-3	14-Jul-94	9.59	0.00	0.00			0.00	970.72	970.72	
P-3	21-Jul-94	9.24	0.00	0.00			0.00	971.07	971.07	
P-3	27-Jul-94	9.42	0.00	0.00			0.00	970.89	970.89	
P-3	04-Aug-94	9.49	0.00	0.00			0.00	970.82	970.82	
P-3	11-Aug-94	9.62	0.00	0.00			0.00	970.69	970.69	
P-3	19-Aug-94	8.86	0.00	0.00			0.00	971.45	971.45	
P-3	25-Aug-94	9.01	0.00	0.00			0.00	971.30	971.30	
P-3	01-Sep-94	9.41	0.00	0.00			0.00	970.90	970.90	
P-3	09-Sep-94	9.54	0.00	0.00			0.00	970.77	970.77	
P-3	15-Sep-94	9.60	0.00	0.00			0.00	970.71	970.71	
P-3	23-Sep-94	9.34	0.00	0.00			0.00	970.97	970.97	
P-3	30-Sep-94	8.86	0.00	0.00			0.00	971.45	971.45	
P-3	04-Oct-94	8.97	0.00	0.00			0.00	971.34	971.34	
P-3	13-Oct-94	9.22	0.00	0.00			0.00	971.09	971.09	
P-3	20-Oct-94	9.47	0.00	0.00			0.00	970.84	970.84	
P-3	27-Oct-94	9.42	9.41	0.01			970.90	970.89	970.90	
P-3	07-Nov-94	9.37	0.00	0.00			0.00	970.94	970.94	
P-3	10-Nov-94	9.41	0.00	0.00			0.00	970.90	970.90	
P-3	17-Nov-94	9.48	9.47	0.01			970.84	970.83	970.84	
P-3	22-Nov-94	9.05	0.00	0.00			0.00	971.26	971.26	
P-3	01-Dec-94	8.86	0.00	0.00			0.00	971.45	971.45	
P-3	07-Dec-94	8.14	0.00	0.00			0.00	972.17	972.17	
P-3	15-Dec-94	8.96	0.00	0.00			0.00	971.35	971.35	
P-3	20-Dec-94	9.08	0.00	0.00			0.00	971.23	971.23	

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APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
P-3	28-Dec-94	8.59	0.00	0.00			0.00	977.33	977.33	
P-3	05-Jan-95	8.83	0.00	0.00			0.00	971.48	971.48	
P-3	12-Jan-95	8.88	0.00	0.00			0.00	971.43	971.43	
P-3	19-Jan-95	7.88	0.00	0.00			0.00	972.43	972.43	
P-3	25-Jan-95	8.18	0.00	0.00			0.00	972.13	972.13	
P-3	02-Feb-95	8.81	0.00	0.00			0.00	971.50	971.50	
P-3	09-Feb-95	9.04	0.00	0.00			0.00	971.27	971.27	
P-3	16-Feb-95	9.10	0.00	0.00			0.00	971.21	971.21	
P-3	23-Feb-95	9.11	0.00	0.00			0.00	971.20	971.20	
P-3	02-Mar-95	8.68	0.00	0.00			0.00	971.63	971.63	
P-3	16-Mar-95	7.26	0.00	0.00			0.00	973.05	973.05	
P-3	23-Mar-95	7.95	0.00	0.00			0.00	972.36	972.36	
P-3	29-Mar-95	8.62	8.61	0.01			971.70	971.69	971.70	
P-3	06-Apr-95	8.86	0.00	0.00			0.00	971.45	971.45	
P-3	13-Apr-95	8.20	0.00	0.00			0.00	972.11	972.11	
P-3	20-Apr-95	8.22	0.00	0.00			0.00	972.09	972.09	
P-3	27-Apr-95	8.85	0.00	0.00			0.00	971.46	971.46	
P-3	04-May-95	9.00	0.00	0.00			0.00	971.31	971.31	
P-3	12-May-95	8.84	0.00	0.00			0.00	971.47	971.47	
P-3	18-May-95	9.11	0.00	0.00			0.00	971.20	971.20	
P-3	25-May-95	9.17	0.00	0.00			0.00	971.14	971.14	
P-3	01-Jun-95	9.33	0.00	0.00			0.00	970.98	970.98	
P-3	08-Jun-95	9.23	0.00	0.00			0.00	971.08	971.08	
P-3	15-Jun-95	9.39	0.00	0.00			0.00	970.92	970.92	
P-3	22-Jun-95	9.58	0.00	0.00			0.00	970.73	970.73	
P-3	29-Jun-95	9.59	0.00	0.00			0.00	970.72	970.72	
P-3	07-Jul-95	9.61	0.00	0.00			0.00	970.70	970.70	
P-3	13-Jul-95	9.54	0.00	0.00			0.00	970.77	970.77	
P-3	20-Jul-95	9.65	0.00	0.00			0.00	970.66	970.66	
P-3	27-Jul-95	9.49	0.00	0.00			0.00	970.82	970.82	
P-3	03-Aug-95	9.70	0.00	0.00			0.00	970.61	970.61	
P-3	10-Aug-95	9.56	0.00	0.00			0.00	970.75	970.75	
P-3	17-Aug-95	9.66	0.00	0.00			0.00	970.65	970.65	
P-3	24-Aug-95	9.78	0.00	0.00			0.00	970.53	970.53	
P-3	31-Aug-95	9.88	0.00	0.00			0.00	970.43	970.43	
P-3	07-Sep-95	9.81	0.00	0.00			0.00	970.50	970.50	
P-3	14-Sep-95	9.70	0.00	0.00			0.00	970.61	970.61	
P-3	21-Sep-95	9.70	0.00	0.00			0.00	970.61	970.61	
P-3	28-Sep-95	9.63	0.00	0.00			0.00	970.68	970.68	
P-3	05-Oct-95	9.19	0.00	0.00			0.00	971.12	971.12	
P-3	12-Oct-95	9.35	0.00	0.00			0.00	970.96	970.96	
P-3	19-Oct-95	9.24	0.00	0.00			0.00	971.07	971.07	
P-3	26-Oct-95	8.45	0.00	0.00			0.00	971.86	971.86	
P-3	09-Nov-95	8.47	0.00	0.00			0.00	971.84	971.84	
P-3	16-Nov-95	7.05	0.00	0.00			0.00	973.26	973.26	
P-3	30-Nov-95	8.76	0.00	0.00			0.00	971.55	971.55	
P-3	07-Dec-95	8.82	8.81	0.01			971.50	971.49	971.50	
P-3	15-Dec-95	9.05	9.04	0.01			971.27	971.26	971.27	
P-3	21-Dec-95	9.08	9.04	0.04			971.27	971.23	971.27	
P-3	04-Jan-96	9.04	0.00	0.00			0.00	971.27	971.27	

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APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
P-3	11-Jan-96	9.00	8.99	0.01			971.32	971.31	971.32	
P-3	18-Jan-96	9.11	0.00	0.00			0.00	971.20	971.20	
P-3	26-Jan-96	6.93	0.00	0.00			0.00	973.38	973.38	
P-3	01-Feb-96	7.72	0.00	0.00			0.00	972.59	972.59	
P-3	08-Feb-96	8.49	8.48	0.01			971.83	971.82	971.83	
P-3	15-Feb-96	8.86	0.00	0.00			0.00	971.45	971.45	
P-3	22-Feb-96	7.29	0.00	0.00			0.00	973.02	973.02	
P-3	29-Feb-96	7.78	0.00	0.00			0.00	972.53	972.53	
P-3	08-Mar-96	8.40	0.00	0.00			0.00	971.91	971.91	
P-3	14-Mar-96	8.56	8.55	0.01			971.76	971.75	971.76	
P-3	21-Mar-96	7.77	0.00	0.00			0.00	972.54	972.54	
P-3	28-Mar-96	8.10	0.00	0.00			0.00	972.21	972.21	
P-3	04-Apr-96	8.01	0.00	0.00			0.00	972.30	972.30	
P-4	07-Jan-94	6.71	6.21	0.50			970.93	970.43	970.89	
P-4	13-Jan-94	6.49	6.11	0.38			971.03	970.65	971.00	
P-4	20-Jan-94	6.20	5.80	0.40			971.34	970.94	971.31	
P-4	27-Jan-94	6.45	6.03	0.42			971.11	970.69	971.08	
P-4	03-Feb-94	6.15	5.95	0.20			971.19	970.99	971.18	
P-4	10-Feb-94	6.36	6.06	0.30			971.08	970.78	971.06	
P-4	17-Feb-94	6.81	6.36	0.45			970.78	970.33	970.75	
P-4	25-Feb-94	5.99	5.75	0.24			971.39	971.15	971.37	
P-4	03-Mar-94	6.41	5.92	0.49			971.22	970.73	971.19	
P-4	11-Mar-94	4.93	4.48	0.45			972.66	972.21	972.63	
P-4	17-Mar-94	5.16	4.99	0.17			972.15	971.98	972.14	
P-4	24-Mar-94	4.75	4.66	0.09			972.48	972.39	972.47	
P-4	01-Apr-94	4.60	4.56	0.04			972.58	972.54	972.58	
P-4	07-Apr-94	3.00	2.43	0.57			974.71	974.14	974.67	
P-4	14-Apr-94	2.14	1.01	1.13			976.13	975.00	976.05	
P-4	22-Apr-94	4.95	4.27	0.68			972.87	972.19	972.82	
P-4	29-Apr-94	5.14	4.90	0.24			972.24	972.00	972.22	
P-4	05-May-94	5.39	5.15	0.24			971.99	971.75	971.97	
P-4	12-May-94	5.60	5.39	0.21			971.75	971.54	971.74	
P-4	20-May-94	6.56	4.98	1.58			972.16	970.58	972.05	
P-4	25-May-94	6.34	5.69	0.65			971.45	970.80	971.40	
P-4	02-Jun-94	6.54	6.03	0.51			971.11	970.60	971.07	
P-4	09-Jun-94	6.53	6.22	0.31			970.92	970.61	970.90	
P-4	16-Jun-94	6.59	6.22	0.37			970.92	970.55	970.89	
P-4	24-Jun-94	6.74	6.34	0.40			970.80	970.40	970.77	
P-4	30-Jun-94	6.18	5.96	0.22			971.18	970.96	971.16	
P-4	07-Jul-94	6.98	6.48	0.50			970.66	970.16	970.63	
P-4	14-Jul-94	6.92	6.54	0.38			970.60	970.22	970.57	
P-4	21-Jul-94	6.33	6.18	0.15			970.96	970.81	970.95	
P-4	27-Jul-94	6.84	6.41	0.43			970.73	970.30	970.70	
P-4	04-Aug-94	6.96	6.44	0.52			970.70	970.18	970.66	
P-4	11-Aug-94	7.08	6.54	0.54			970.60	970.06	970.56	
P-4	19-Aug-94	5.89	5.71	0.18			971.43	971.25	971.42	
P-4	25-Aug-94	6.27	5.92	0.35			971.22	970.87	971.20	
P-4	01-Sep-94	6.76	6.35	0.41			970.79	970.38	970.76	
P-4	09-Sep-94	7.17	6.47	0.70			970.67	969.97	970.62	
P-4	15-Sep-94	7.04	6.56	0.48			970.58	970.10	970.55	

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APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
P-4	23-Sep-94	6.65	6.21	0.44			970.93	970.49	970.90	
P-4	30-Sep-94	6.15	5.85	0.30			971.29	970.99	971.27	
P-4	04-Oct-94	6.15	5.93	0.22			971.21	970.99	971.19	
P-4	13-Oct-94	6.56	6.15	0.41			970.99	970.58	970.96	
P-4	20-Oct-94	6.94	6.44	0.50			970.70	970.20	970.66	
P-4	27-Oct-94	6.73	6.34	0.39			970.80	970.41	970.77	
P-4	07-Nov-94	6.81	6.30	0.51			970.84	970.33	970.80	
P-4	10-Nov-94	6.70	6.39	0.31			970.75	970.44	970.73	
P-4	17-Nov-94	7.01	6.37	0.64			970.77	970.13	970.73	
P-4	22-Nov-94	6.31	0.00	0.00			0.00	970.83	970.83	
P-4	01-Dec-94	6.02	5.82	0.20			971.32	971.12	971.31	
P-4	07-Dec-94	5.72	4.88	0.84			972.26	971.42	972.20	
P-4	15-Dec-94	6.21	5.88	0.33			971.26	970.93	971.24	
P-4	20-Dec-94	6.31	6.09	0.22			971.05	970.83	971.03	
P-4	28-Dec-94	5.75	5.45	0.30			980.47	980.17	980.45	
P-4	05-Jan-95	6.58	5.78	0.80			971.36	970.56	971.30	
P-4	12-Jan-95	6.05	5.82	0.23			971.32	971.09	971.30	
P-4	19-Jan-95	5.43	4.63	0.80			972.51	971.71	972.45	
P-4	25-Jan-95	5.56	4.88	0.68			972.26	971.58	972.21	
P-4	02-Feb-95	6.35	5.74	0.61			971.40	970.79	971.36	
P-4	09-Feb-95	6.22	6.03	0.19			971.11	970.92	971.10	
P-4	16-Feb-95	6.35	6.03	0.32			971.11	970.79	971.09	
P-4	23-Feb-95	6.24	6.02	0.22			971.12	970.90	971.10	
P-4	02-Mar-95	5.75	5.58	0.17			971.56	971.39	971.55	
P-4	16-Mar-95	5.33	4.00	1.33			973.14	971.81	973.05	
P-4	23-Mar-95	5.41	4.73	0.68			972.41	971.73	972.36	
P-4	29-Mar-95	6.76	5.66	1.10			971.48	970.38	971.40	
P-4	06-Apr-95	6.14	5.93	0.21			971.21	971.00	971.20	
P-4	13-Apr-95	5.18	5.04	0.14			972.10	971.96	972.09	
P-4	20-Apr-95	5.28	5.06	0.22			972.08	971.86	972.06	
P-4	27-Apr-95	6.22	5.89	0.33			971.25	970.92	971.23	
P-4	04-May-95	6.24	6.03	0.21			971.11	970.90	971.10	
P-4	12-May-95	6.10	5.75	0.35			971.39	971.04	971.37	
P-4	18-May-95	6.39	6.03	0.36			971.11	970.75	971.08	
P-4	25-May-95	6.45	6.23	0.22			970.91	970.69	970.89	
P-4	01-Jun-95	6.75	6.55	0.20			970.59	970.39	970.58	
P-4	08-Jun-95	6.62	6.20	0.42			970.94	970.52	970.91	
P-4	15-Jun-95	6.75	6.36	0.39			970.78	970.39	970.75	
P-4	22-Jun-95	7.02	6.54	0.48			970.60	970.12	970.57	
P-4	29-Jun-95	6.80	6.57	0.23			970.57	970.34	970.55	
P-4	07-Jul-95	7.10	6.57	0.53			970.57	970.04	970.53	
P-4	13-Jul-95	6.68	6.50	0.18			970.64	970.46	970.63	
P-4	20-Jul-95	6.99	6.61	0.38			970.53	970.15	970.50	
P-4	27-Jul-95	6.63	6.46	0.17			970.68	970.51	970.67	
P-4	03-Aug-95	7.11	6.63	0.48			970.51	970.03	970.48	
P-4	10-Aug-95	6.80	6.59	0.21			970.55	970.34	970.54	
P-4	17-Aug-95	7.10	6.65	0.45			970.49	970.04	970.46	
P-4	24-Aug-95	6.91	6.75	0.16			970.39	970.23	970.38	
P-4	31-Aug-95	6.90	6.70	0.20			970.44	970.24	970.43	
P-4	07-Sep-95	6.97	6.75	0.22			970.39	970.17	970.37	

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APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
P-4	14-Sep-95	6.95	6.62	0.33			970.52	970.19	970.50	
P-4	21-Sep-95	6.96	6.69	0.27			970.45	970.18	970.43	
P-4	28-Sep-95	6.90	6.56	0.34			970.58	970.24	970.56	
P-4	05-Oct-95	6.38	6.08	0.30			971.06	970.76	971.04	
P-4	12-Oct-95	6.66	6.26	0.40			970.88	970.48	970.85	
P-4	19-Oct-95	6.44	6.24	0.20			970.90	970.70	970.89	
P-4	26-Oct-95	5.95	5.35	0.60			971.79	971.19	971.75	
P-4	09-Nov-95	5.56	5.40	0.16			971.74	971.58	971.73	
P-4	16-Nov-95	5.29	4.40	0.89			972.74	971.85	972.68	
P-4	30-Nov-95	6.62	5.62	1.00			971.52	970.52	971.45	
P-4	07-Dec-95	6.91	5.76	1.15			971.38	970.23	971.30	
P-4	15-Dec-95	6.30	6.00	0.30			971.14	970.84	971.12	
P-4	21-Dec-95	6.49	6.11	0.38			971.03	970.65	971.00	
P-4	04-Jan-96	6.05	6.00	0.05			971.14	971.09	971.14	
P-4	11-Jan-96	6.35	6.17	0.18			970.97	970.79	970.96	
P-4	18-Jan-96	6.47	5.98	0.49			971.16	970.67	971.13	
P-4	26-Jan-96	4.40	3.92	0.48			973.22	972.74	973.19	
P-4	01-Feb-96	5.35	4.55	0.80			972.59	971.79	972.53	
P-4	08-Feb-96	5.89	5.50	0.39			971.64	971.25	971.61	
P-4	15-Feb-96	7.62	5.80	1.82			971.34	969.52	971.21	
P-4	22-Feb-96	4.25	4.16	0.09			972.98	972.89	972.97	
P-4	29-Feb-96	5.42	4.54	0.88			972.60	971.72	972.54	
P-4	08-Mar-96	5.41	5.29	0.12			971.85	971.73	971.84	
P-4	14-Mar-96	5.57	5.45	0.12			971.69	971.57	971.68	
P-4	21-Mar-96	5.07	4.59	0.48			972.55	972.07	972.52	
P-4	28-Mar-96	5.24	4.83	0.41			972.31	971.90	972.28	
P-4	04-Apr-96	5.23	4.75	0.48			972.39	971.91	972.36	
P-5	07-Jan-94	9.30	0.00	0.00			0.00	970.97	970.97	
P-5	13-Jan-94	9.16	0.00	0.00			0.00	971.11	971.11	
P-5	20-Jan-94	8.89	0.00	0.00			0.00	971.38	971.38	
P-5	27-Jan-94	9.12	0.00	0.00			0.00	971.15	971.15	
P-5	03-Feb-94	9.05	0.00	0.00			0.00	971.22	971.22	
P-5	10-Feb-94	9.19	0.00	0.00			0.00	971.08	971.08	
P-5	17-Feb-94	9.42	0.00	0.00			0.00	970.85	970.85	
P-5	25-Feb-94	8.83	0.00	0.00			0.00	971.44	971.44	
P-5	03-Mar-94	9.04	0.00	0.00			0.00	971.23	971.23	
P-5	11-Mar-94	7.60	0.00	0.00			0.00	972.67	972.67	
P-5	17-Mar-94	8.24	0.00	0.00			0.00	972.03	972.03	
P-5	24-Mar-94	7.95	0.00	0.00			0.00	972.32	972.32	
P-5	01-Apr-94	7.85	0.00	0.00			0.00	972.42	972.42	
P-5	07-Apr-94	5.07	0.00	0.00			0.00	975.20	975.20	
P-5	14-Apr-94	3.84	0.00	0.00			0.00	976.43	976.43	
P-5	22-Apr-94	7.73	0.00	0.00			0.00	972.54	972.54	
P-5	29-Apr-94	8.26	0.00	0.00			0.00	972.01	972.01	
P-5	05-May-94	8.45	0.00	0.00			0.00	971.82	971.82	
P-5	12-May-94	8.55	0.00	0.00			0.00	971.72	971.72	
P-5	20-May-94	8.28	0.00	0.00			0.00	971.99	971.99	
P-5	25-May-94	8.89	0.00	0.00			0.00	971.38	971.38	
P-5	02-Jun-94	9.30	0.00	0.00			0.00	970.97	970.97	
P-5	09-Jun-94	9.40	0.00	0.00			0.00	970.87	970.87	

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APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
P-5	16-Jun-94	9.45	0.00	0.00			0.00	970.82	970.82	
P-5	24-Jun-94	9.56	0.00	0.00			0.00	970.71	970.71	
P-5	30-Jun-94	9.05	0.00	0.00			0.00	971.22	971.22	
P-5	07-Jul-94	9.67	0.00	0.00			0.00	970.60	970.60	
P-5	14-Jul-94	9.72	0.00	0.00			0.00	970.55	970.55	
P-5	21-Jul-94	9.27	0.00	0.00			0.00	971.00	971.00	
P-5	27-Jul-94	9.56	0.00	0.00			0.00	970.71	970.71	
P-5	04-Aug-94	9.59	0.00	0.00			0.00	970.68	970.68	
P-5	11-Aug-94	9.76	0.00	0.00			0.00	970.51	970.51	
P-5	19-Aug-94	8.82	0.00	0.00			0.00	971.45	971.45	
P-5	25-Aug-94	9.10	0.00	0.00			0.00	971.17	971.17	
P-5	01-Sep-94	9.51	0.00	0.00			0.00	970.76	970.76	
P-5	09-Sep-94	9.69	0.00	0.00			0.00	970.58	970.58	
P-5	15-Sep-94	9.75	0.00	0.00			0.00	970.52	970.52	
P-5	23-Sep-94	9.38	0.00	0.00			0.00	970.89	970.89	
P-5	30-Sep-94	9.02	0.00	0.00			0.00	971.25	971.25	
P-5	04-Oct-94	9.07	0.00	0.00			0.00	971.20	971.20	
P-5	13-Oct-94	9.32	0.00	0.00			0.00	970.95	970.95	
P-5	20-Oct-94	9.55	0.00	0.00			0.00	970.72	970.72	
P-5	27-Oct-94	9.54	0.00	0.00			0.00	970.73	970.73	
P-5	07-Nov-94	9.41	0.00	0.00			0.00	970.86	970.86	
P-5	10-Nov-94	9.47	0.00	0.00			0.00	970.80	970.80	
P-5	17-Nov-94	9.55	0.00	0.00			0.00	970.72	970.72	
P-5	22-Nov-94	8.99	0.00	0.00			0.00	971.28	971.28	
P-5	01-Dec-94	8.94	0.00	0.00			0.00	971.33	971.33	
P-5	07-Dec-94	8.11	0.00	0.00			0.00	972.16	972.16	
P-5	15-Dec-94	9.09	0.00	0.00			0.00	971.18	971.18	
P-5	20-Dec-94	9.22	0.00	0.00			0.00	971.05	971.05	
P-5	28-Dec-94	8.72	0.00	0.00			0.00	977.20	977.20	
P-5	05-Jan-95	9.03	0.00	0.00			0.00	971.24	971.24	
P-5	12-Jan-95	9.01	0.00	0.00			0.00	971.26	971.26	
P-5	19-Jan-95	8.95	0.00	0.00			0.00	971.32	971.32	
P-5	25-Jan-95	8.31	0.00	0.00			0.00	971.96	971.96	
P-5	02-Feb-95	8.95	0.00	0.00			0.00	971.32	971.32	
P-5	09-Feb-95	9.20	0.00	0.00			0.00	971.07	971.07	
P-5	16-Feb-95	9.21	0.00	0.00			0.00	971.06	971.06	
P-5	23-Feb-95	9.15	0.00	0.00			0.00	971.12	971.12	
P-5	02-Mar-95	8.76	0.00	0.00			0.00	971.51	971.51	
P-5	16-Mar-95	7.20	0.00	0.00			0.00	973.07	973.07	
P-5	23-Mar-95	8.08	0.00	0.00			0.00	972.19	972.19	
P-5	29-Mar-95	8.93	0.00	0.00			0.00	971.34	971.34	
P-5	06-Apr-95	9.10	0.00	0.00			0.00	971.17	971.17	
P-5	13-Apr-95	8.01	0.00	0.00			0.00	972.26	972.26	
P-5	20-Apr-95	8.26	0.00	0.00			0.00	972.01	972.01	
P-5	27-Apr-95	9.13	0.00	0.00			0.00	971.14	971.14	
P-5	04-May-95	9.18	0.00	0.00			0.00	971.09	971.09	
P-5	12-May-95	8.88	0.00	0.00			0.00	971.39	971.39	
P-5	18-May-95	9.21	0.00	0.00			0.00	971.06	971.06	
P-5	25-May-95	9.28	0.00	0.00			0.00	970.99	970.99	
P-5	01-Jun-95	9.49	0.00	0.00			0.00	970.78	970.78	

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APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
P-5	08-Jun-95	9.39	0.00	0.00			0.00	970.88	970.88	
P-5	15-Jun-95	9.52	0.00	0.00			0.00	970.75	970.75	
P-5	22-Jun-95	9.70	0.00	0.00			0.00	970.57	970.57	
P-5	29-Jun-95	9.73	0.00	0.00			0.00	970.54	970.54	
P-5	07-Jul-95	9.74	0.00	0.00			0.00	970.53	970.53	
P-5	13-Jul-95	9.64	0.00	0.00			0.00	970.63	970.63	
P-5	20-Jul-95	9.76	0.00	0.00			0.00	970.51	970.51	
P-5	27-Jul-95	9.58	0.00	0.00			0.00	970.69	970.69	
P-5	03-Aug-95	9.80	0.00	0.00			0.00	970.47	970.47	
P-5	10-Aug-95	9.69	0.00	0.00			0.00	970.58	970.58	
P-5	17-Aug-95	9.79	0.00	0.00			0.00	970.48	970.48	
P-5	24-Aug-95	9.88	0.00	0.00			0.00	970.39	970.39	
P-5	31-Aug-95	9.88	0.00	0.00			0.00	970.39	970.39	
P-5	07-Sep-95	9.91	0.00	0.00			0.00	970.36	970.36	
P-5	14-Sep-95	9.78	0.00	0.00			0.00	970.49	970.49	
P-5	21-Sep-95	9.78	0.00	0.00			0.00	970.49	970.49	
P-5	28-Sep-95	9.71	0.00	0.00			0.00	970.56	970.56	
P-5	05-Oct-95	9.20	0.00	0.00			0.00	971.07	971.07	
P-5	12-Oct-95	9.46	0.00	0.00			0.00	970.81	970.81	
P-5	19-Oct-95	9.38	0.00	0.00			0.00	970.89	970.89	
P-5	26-Oct-95	8.58	0.00	0.00			0.00	971.69	971.69	
P-5	09-Nov-95	8.59	0.00	0.00			0.00	971.68	971.68	
P-5	16-Nov-95	6.99	0.00	0.00			0.00	973.28	973.28	
P-5	30-Nov-95	8.93	0.00	0.00			0.00	971.34	971.34	
P-5	07-Dec-95	8.99	0.00	0.00			0.00	971.28	971.28	
P-5	04-Jan-96	9.15	0.00	0.00			0.00	971.12	971.12	
P-5	01-Feb-96	8.06	0.00	0.00			0.00	972.21	972.21	
P-5	22-Feb-96	6.80	0.00	0.00			0.00	973.47	973.47	
P-5	08-Mar-96	8.54	0.00	0.00			0.00	971.73	971.73	
P-5	04-Apr-96	8.08	0.00	0.00			0.00	972.19	972.19	
P-6	07-Nov-94	10.20	0.00	0.00			0.00	970.77	970.77	
P-6	10-Nov-94	10.24	0.00	0.00			0.00	970.73	970.73	
P-6	17-Nov-94	10.31	0.00	0.00			0.00	970.66	970.66	
P-6	22-Nov-94	9.72	0.00	0.00			0.00	971.25	971.25	
P-6	01-Dec-94	9.65	0.00	0.00			0.00	971.32	971.32	
P-6	07-Dec-94	8.86	0.00	0.00			0.00	972.11	972.11	
P-6	15-Dec-94	9.76	0.00	0.00			0.00	971.21	971.21	
P-6	20-Dec-94	9.88	0.00	0.00			0.00	971.09	971.09	
P-6	28-Dec-94	9.38	0.00	0.00			0.00	976.54	976.54	
P-6	05-Jan-95	9.72	0.00	0.00			0.00	971.25	971.25	
P-6	12-Jan-95	9.81	0.00	0.00			0.00	971.16	971.16	
P-6	19-Jan-95	8.66	0.00	0.00			0.00	972.31	972.31	
P-6	25-Jan-95	8.98	0.00	0.00			0.00	971.99	971.99	
P-6	02-Feb-95	9.68	0.00	0.00			0.00	971.29	971.29	
P-6	09-Feb-95	10.02	0.00	0.00			0.00	970.95	970.95	
P-6	16-Feb-95	10.11	0.00	0.00			0.00	970.86	970.86	
P-6	23-Feb-95	10.01	0.00	0.00			0.00	970.96	970.96	
P-6	02-Mar-95	9.55	0.00	0.00			0.00	971.42	971.42	
P-6	16-Mar-95	7.99	0.00	0.00			0.00	972.98	972.98	
P-6	23-Mar-95	8.84	0.00	0.00			0.00	972.13	972.13	

APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
P-6	29-Mar-95	9.71	0.00	0.00			0.00	971.26	971.26	
P-6	06-Apr-95	9.77	0.00	0.00			0.00	971.20	971.20	
P-6	13-Apr-95	8.97	0.00	0.00			0.00	972.00	972.00	
P-6	20-Apr-95	9.05	0.00	0.00			0.00	971.92	971.92	
P-6	27-Apr-95	9.91	0.00	0.00			0.00	971.06	971.06	
P-6	04-May-95	9.97	0.00	0.00			0.00	971.00	971.00	
P-6	12-May-95	9.73	0.00	0.00			0.00	971.24	971.24	
P-6	18-May-95	9.98	0.00	0.00			0.00	970.99	970.99	
P-6	25-May-95	10.07	0.00	0.00			0.00	970.90	970.90	
P-6	01-Jun-95	10.34	0.00	0.00			0.00	970.63	970.63	
P-6	08-Jun-95	10.36	0.00	0.00			0.00	970.61	970.61	
P-6	15-Jun-95	10.39	0.00	0.00			0.00	970.58	970.58	
P-6	22-Jun-95	10.63	0.00	0.00			0.00	970.34	970.34	
P-6	29-Jun-95	10.62	0.00	0.00			0.00	970.35	970.35	
P-6	07-Jul-95	10.66	0.00	0.00			0.00	970.31	970.31	
P-6	13-Jul-95	10.56	0.00	0.00			0.00	970.41	970.41	
P-6	20-Jul-95	10.70	0.00	0.00			0.00	970.27	970.27	
P-6	27-Jul-95	10.48	0.00	0.00			0.00	970.49	970.49	
P-6	03-Aug-95	10.73	0.00	0.00			0.00	970.24	970.24	
P-6	10-Aug-95	10.69	0.00	0.00			0.00	970.28	970.28	
P-6	17-Aug-95	10.78	0.00	0.00			0.00	970.19	970.19	
P-6	24-Aug-95	10.82	0.00	0.00			0.00	970.15	970.15	
P-6	31-Aug-95	10.82	0.00	0.00			0.00	970.15	970.15	
P-6	07-Sep-95	10.94	0.00	0.00			0.00	970.03	970.03	
P-6	14-Sep-95	10.66	0.00	0.00			0.00	970.31	970.31	
P-6	21-Sep-95	10.68	0.00	0.00			0.00	970.29	970.29	
P-6	28-Sep-95	10.59	0.00	0.00			0.00	970.38	970.38	
P-6	05-Oct-95	10.07	0.00	0.00			0.00	970.90	970.90	
P-6	12-Oct-95	10.27	0.00	0.00			0.00	970.70	970.70	
P-6	19-Oct-95	10.13	0.00	0.00			0.00	970.84	970.84	
P-6	26-Oct-95	9.27	0.00	0.00			0.00	971.70	971.70	
P-6	09-Nov-95	9.32	0.00	0.00			0.00	971.65	971.65	
P-6	16-Nov-95	7.71	0.00	0.00			0.00	973.26	973.26	
P-6	30-Nov-95	9.67	0.00	0.00			0.00	971.30	971.30	
P-6	07-Dec-95	9.69	0.00	0.00			0.00	971.28	971.28	
P-6	04-Jan-96	9.93	0.00	0.00			0.00	971.04	971.04	
P-6	01-Feb-96	8.72	0.00	0.00			0.00	972.25	972.25	
P-6	22-Feb-96	7.80	0.00	0.00			0.00	973.17	973.17	
P-6	08-Mar-96	9.25	0.00	0.00			0.00	971.72	971.72	
P-6	04-Apr-96	8.87	0.00	0.00			0.00	972.10	972.10	
P-7	07-Nov-94	7.14	0.00	0.00			0.00	971.23	971.23	
P-7	10-Nov-94	7.15	0.00	0.00			0.00	971.22	971.22	
P-7	17-Nov-94	7.18	0.00	0.00			0.00	971.19	971.19	
P-7	22-Nov-94	6.84	0.00	0.00			0.00	971.53	971.53	
P-7	01-Dec-94	6.67	0.00	0.00			0.00	971.70	971.70	
P-7	07-Dec-94	6.03	0.00	0.00			0.00	972.34	972.34	
P-7	15-Dec-94	6.59	0.00	0.00			0.00	971.78	971.78	
P-7	20-Dec-94	6.74	0.00	0.00			0.00	971.63	971.63	
P-7	28-Dec-94	6.25	0.00	0.00			0.00	979.67	979.67	
P-7	05-Jan-95	6.48	0.00	0.00			0.00	971.89	971.89	

APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
P-7	12-Jan-95	6.54	0.00	0.00			0.00	971.83	971.83	
P-7	19-Jan-95	5.63	0.00	0.00			0.00	972.74	972.74	
P-7	25-Jan-95	5.82	0.00	0.00			0.00	972.55	972.55	
P-7	02-Feb-95	6.49	0.00	0.00			0.00	971.88	971.88	
P-7	09-Feb-95	6.71	0.00	0.00			0.00	971.66	971.66	
P-7	16-Feb-95	6.83	0.00	0.00			0.00	971.54	971.54	
P-7	23-Feb-95	6.83	0.00	0.00			0.00	971.54	971.54	
P-7	02-Mar-95	6.49	0.00	0.00			0.00	971.88	971.88	
P-7	16-Mar-95	5.19	0.00	0.00			0.00	973.18	973.18	
P-7	23-Mar-95	5.75	0.00	0.00			0.00	972.62	972.62	
P-7	29-Mar-95	6.38	0.00	0.00			0.00	971.99	971.99	
P-7	06-Apr-95	6.53	0.00	0.00			0.00	971.84	971.84	
P-7	13-Apr-95	6.04	0.00	0.00			0.00	972.33	972.33	
P-7	20-Apr-95	6.03	0.00	0.00			0.00	972.34	972.34	
P-7	27-Apr-95	6.56	0.00	0.00			0.00	971.81	971.81	
P-7	04-May-95	6.71	0.00	0.00			0.00	971.66	971.66	
P-7	12-May-95	6.54	0.00	0.00			0.00	971.83	971.83	
P-7	18-May-95	6.74	0.00	0.00			0.00	971.63	971.63	
P-7	25-May-95	6.86	0.00	0.00			0.00	971.51	971.51	
P-7	01-Jun-95	7.04	0.00	0.00			0.00	971.33	971.33	
P-7	08-Jun-95	6.88	0.00	0.00			0.00	971.49	971.49	
P-7	15-Jun-95	7.07	0.00	0.00			0.00	971.30	971.30	
P-7	22-Jun-95	7.24	0.00	0.00			0.00	971.13	971.13	
P-7	29-Jun-95	7.28	0.00	0.00			0.00	971.09	971.09	
P-7	07-Jul-95	7.36	0.00	0.00			0.00	971.01	971.01	
P-7	13-Jul-95	7.25	0.00	0.00			0.00	971.12	971.12	
P-7	20-Jul-95	7.38	0.00	0.00			0.00	970.99	970.99	
P-7	27-Jul-95	7.28	0.00	0.00			0.00	971.09	971.09	
P-7	03-Aug-95	7.41	0.00	0.00			0.00	970.96	970.96	
P-7	10-Aug-95	7.25	0.00	0.00			0.00	971.12	971.12	
P-7	17-Aug-95	7.41	0.00	0.00			0.00	970.96	970.96	
P-7	24-Aug-95	7.52	0.00	0.00			0.00	970.85	970.85	
P-7	31-Aug-95	7.55	0.00	0.00			0.00	970.82	970.82	
P-7	07-Sep-95	7.58	0.00	0.00			0.00	970.79	970.79	
P-7	14-Sep-95	7.44	0.00	0.00			0.00	970.93	970.93	
P-7	21-Sep-95	7.43	0.00	0.00			0.00	970.94	970.94	
P-7	28-Sep-95	7.36	0.00	0.00			0.00	971.01	971.01	
P-7	05-Oct-95	7.97	0.00	0.00			0.00	970.40	970.40	
P-7	12-Oct-95	6.97	0.00	0.00			0.00	971.40	971.40	
P-7	19-Oct-95	6.90	0.00	0.00			0.00	971.47	971.47	
P-7	26-Oct-95	6.13	0.00	0.00			0.00	972.24	972.24	
P-7	09-Nov-95	6.20	0.00	0.00			0.00	972.17	972.17	
P-7	16-Nov-95		0.00	0.00			0.00	978.37	978.37	
P-7	30-Nov-95	6.32	0.00	0.00			0.00	972.05	972.05	
P-7	07-Dec-95	6.45	0.00	0.00			0.00	971.92	971.92	
P-7	04-Jan-96	6.78	0.00	0.00			0.00	971.59	971.59	
P-7	01-Feb-96	5.53	0.00	0.00			0.00	972.84	972.84	
P-7	22-Feb-96	5.21	0.00	0.00			0.00	973.16	973.16	
P-7	08-Mar-96	6.12	0.00	0.00			0.00	972.25	972.25	
P-7	04-Apr-96	5.73	0.00	0.00			0.00	972.64	972.64	

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APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
River	07-Jan-94								970.88	
River	13-Jan-94								970.90	
River	20-Jan-94									River is frozen/ no measurement obtained
River	27-Jan-94									River is frozen/ no measurement obtained
River	03-Feb-94									River is frozen/ no measurement obtained
River	10-Feb-94									River is frozen/ no measurement obtained
River	17-Feb-94	0.54	0.00							
River	25-Feb-94								971.15	
River	03-Mar-94								971.14	
River	11-Mar-94								972.60	
River	17-Mar-94								971.89	
River	24-Mar-94								972.23	
River	01-Apr-94								972.28	
River	07-Apr-94								975.29	
River	14-Apr-94							976.50	976.50	
River	22-Apr-94								972.31	
River	29-Apr-94								971.79	
River	05-May-94								971.61	
River	12-May-94								971.57	
River	20-May-94								971.84	
River	26-May-94								971.23	
River	02-Jun-94								970.80	
River	09-Jun-94								970.72	
River	16-Jun-94								970.68	
River	24-Jun-94								970.60	
River	30-Jun-94								971.12	
River	07-Jul-94								970.47	
River	14-Jul-94								970.40	
River	21-Jul-94								970.90	
River	27-Jul-94								970.58	
River	04-Aug-94								970.54	
River	11-Aug-94								970.37	
River	19-Aug-94								971.36	
River	25-Aug-94								971.00	
River	01-Sep-94								970.62	
River	09-Sep-94								970.50	
River	15-Sep-94								970.40	
River	23-Sep-94								970.78	
River	30-Sep-94								971.09	
River	04-Oct-94								971.09	
River	13-Oct-94								970.85	
River	20-Oct-94						0.00		970.56	
River	27-Oct-94						0.00		970.64	
River	07-Nov-94		0.00	0.00			0.00	963.43	970.75	
River	10-Nov-94		0.00	0.00			0.00	963.43	970.69	
River	17-Nov-94		0.00	0.00					970.57	
River	22-Nov-94		0.00	0.00			0.00	963.43	971.50	
River	01-Dec-94								971.19	
River	07-Dec-94								972.05	
River	15-Dec-94								971.05	

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APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
River	20-Dec-94								970.89	
River	28-Dec-94		0.00	0.00			0.00	985.92	971.40	
River	05-Jan-95								971.10	
River	12-Jan-95								971.14	
River	19-Jan-95								972.18	
River	25-Jan-95								971.82	
River	02-Feb-95								971.18	
River	09-Feb-95								970.92	
River	16-Feb-95								971.18	
River	23-Feb-95								970.99	
River	02-Mar-95								971.36	
River	16-Mar-95								973.02	
River	23-Mar-95								972.02	
River	29-Mar-95								971.19	
River	06-Apr-95								970.96	
River	13-Apr-95								972.24	
River	20-Apr-95								971.88	
River	27-Apr-95								971.00	
River	04-May-95								970.94	
River	12-May-95								971.28	
River	18-May-95								970.93	
River	25-May-95								970.85	
River	01-Jun-95								970.63	
River	08-Jun-95								970.74	
River	15-Jun-95								970.60	
River	22-Jun-95								970.43	
River	29-Jun-95								970.40	
River	07-Jul-95								970.42	
River	13-Jul-95								970.49	
River	20-Jul-95								970.40	
River	27-Jul-95								970.55	
River	03-Aug-95								970.32	
River	10-Aug-95								970.42	
River	17-Aug-95								970.35	
River	24-Aug-95								970.26	
River	31-Aug-95								970.26	
River	07-Sep-95								970.24	
River	14-Sep-95								970.36	
River	21-Sep-95								970.34	
River	28-Sep-95							970.40	970.36	
River	05-Oct-95								970.96	
River	12-Oct-95								970.66	
River	19-Oct-95								970.74	
River	26-Oct-95								971.56	
River	09-Nov-95								971.58	
River	16-Nov-95								973.20	
River	30-Nov-95								971.20	
River	07-Dec-95								971.14	
River	15-Dec-95								970.98	
River	21-Dec-95								971.00	

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APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
River	04-Jan-96								971.00	
River	11-Jan-96								970.96	
River	18-Jan-96								970.94	
River	26-Jan-96								972.98	
River	01-Feb-96								971.94	
River	08-Feb-96								971.18	
River	15-Feb-96								970.80	
River	22-Feb-96								973.40	
River	29-Feb-96								971.98	
River	06-Mar-96			0.00					971.38	
River	14-Mar-96			0.00					971.24	
River	21-Mar-96								972.24	
River	28-Mar-96								971.59	
River	04-Apr-96								972.85	
RW-1	05-Jan-94	17.00	16.45	0.55	20.43	0.57	968.43	967.88	968.39	
RW-1	12-Jan-94	16.61	16.60	0.01	20.71	0.29	968.28	968.27	968.28	
RW-1	20-Jan-94	16.38	0.00	0.00	20.71	0.29	0.00	968.50	968.50	
RW-1	26-Jan-94	16.38	0.00	0.00	20.50	0.50	0.00	968.50	968.50	
RW-1	02-Feb-94	16.48	0.00	0.00	20.35	0.65	0.00	968.40	968.40	
RW-1	09-Feb-94	17.15	0.00	0.00	20.60	0.40	0.00	967.73	967.73	
RW-1	15-Feb-94	17.10	0.00	0.00	20.45	0.55	0.00	967.78	967.78	
RW-1	25-Feb-94	17.10	17.08	0.02	20.50	0.50	967.80	967.78	967.80	
RW-1	02-Mar-94	17.15	17.10	0.05	20.48	0.52	967.78	967.73	967.78	
RW-1	09-Mar-94	17.05	16.95	0.10	20.60	0.40	967.93	967.83	967.92	
RW-1	16-Mar-94	17.05	0.00	0.00	20.58	0.42	0.00	967.83	967.83	
RW-1	23-Mar-94	17.10	17.00	0.10	20.40	0.60	967.88	967.78	967.87	
RW-1	04-Apr-94	17.05	17.04	0.01	20.31	0.69	967.84	967.83	967.84	
RW-1	06-Apr-94	17.07	0.00	0.00	20.30	0.70	0.00	967.81	967.81	
RW-1	13-Apr-94	15.92	0.00	0.00	20.30	0.70	0.00	968.96	968.96	
RW-1	20-Apr-94	17.04	17.03	0.01			967.85	967.84	967.85	
RW-1	27-Apr-94	16.95	16.94	0.01	20.35	0.65	967.94	967.93	967.94	
RW-1	04-May-94	17.51	17.15	0.36			967.73	967.37	967.70	
RW-1	11-May-94	17.05	0.00	0.00	20.90	0.10	0.00	967.83	967.83	
RW-1	18-May-94	16.88	0.00	0.00	20.91	0.09	0.00	968.00	968.00	
RW-1	25-May-94	16.94	0.00	0.00	20.35	0.65	0.00	967.94	967.94	
RW-1	02-Jun-94	17.15	17.14	0.01	20.30	0.70	967.74	967.73	967.74	
RW-1	08-Jun-94	16.99	0.00	0.00	20.56	0.44	0.00	967.89	967.89	
RW-1	16-Jun-94	15.99	0.00	0.00			0.00	968.89	968.89	
RW-1	23-Jun-94	16.92	0.00	0.00	20.34	0.66	0.00	967.96	967.96	
RW-1	30-Jun-94	17.15	0.00	0.00	20.38	0.62	0.00	967.73	967.73	
RW-1	07-Jul-94	16.92	0.00	0.00			0.00	967.96	967.96	
RW-1	13-Jul-94	17.06	0.00	0.00	20.56	0.44	0.00	967.82	967.82	
RW-1	20-Jul-94	17.22	0.00	0.00	20.45	0.55	0.00	967.66	967.66	
RW-1	28-Jul-94	17.15	0.00	0.00	20.70	0.30	0.00	967.73	967.73	
RW-1	03-Aug-94	16.91	0.00	0.00	20.46	0.54	0.00	967.97	967.97	
RW-1	10-Aug-94	17.21	0.00	0.00	20.65	0.35	0.00	967.67	967.67	
RW-1	17-Aug-94	17.24	0.00	0.00	20.60	0.40	0.00	967.64	967.64	
RW-1	24-Aug-94	17.19	0.00	0.00	20.65	0.35	0.00	967.69	967.69	
RW-1	31-Aug-94	17.22	0.00	0.00	20.46	0.54	0.00	967.66	967.66	
RW-1	06-Sep-94	17.20	0.00	0.00			0.00	967.68	967.68	

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APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
RW-1	14-Sep-94	16.95	0.00	0.00	20.42	0.58	0.00	967.93	967.93	
RW-1	21-Sep-94	17.18	0.00	0.00	20.47	0.53	0.00	967.70	967.70	
RW-1	28-Sep-94	17.18	0.00	0.00	20.47	0.53	0.00	967.70	967.70	
RW-1	05-Oct-94	17.20	0.00	0.00	20.23	0.77	0.00	967.68	967.68	
RW-1	12-Oct-94	16.91	0.00	0.00	20.40	0.60	0.00	967.97	967.97	
RW-1	19-Oct-94	16.95	0.00	0.00	20.91	0.09	0.00	967.93	967.93	
RW-1	27-Oct-94	17.26	0.00	0.00	20.30	0.70	0.00	967.62	967.62	
RW-1	03-Nov-94	16.95	0.00	0.00	20.30	0.70	0.00	967.93	967.93	
RW-1	09-Nov-94	17.05	0.00	0.00	20.85	0.15	0.00	967.83	967.83	
RW-1	16-Nov-94	16.92	0.00	0.00	20.74	0.26	0.00	967.96	967.96	
RW-1	23-Nov-94	17.06	0.00	0.00	50.50	0.50	0.00	967.82	967.82	
RW-1	07-Dec-94	17.16	0.00	0.00	20.58	0.42	0.00	967.72	967.72	
RW-1	15-Dec-94	16.95	0.00	0.00	20.60	0.40	0.00	967.93	967.93	
RW-1	21-Dec-94	16.92	0.00	0.00	20.47	0.53	0.00	967.96	967.96	
RW-1	28-Dec-94	17.20	0.00	0.00	20.48	0.52	0.00	968.72	968.72	
RW-1	04-Jan-95	16.98	0.00	0.00	20.45	0.55	0.00	967.90	967.90	
RW-1	11-Jan-95	17.16	17.15	0.01	20.60	0.40	967.73	967.72	967.73	
RW-1	18-Jan-95	17.21	0.00	0.00	20.65	0.35	0.00	967.67	967.67	
RW-1	25-Jan-95	17.07	0.00	0.00	20.51	0.49	0.00	967.81	967.81	
RW-1	01-Feb-95	17.30	17.00	0.30	20.50	0.50	967.88	967.58	967.86	
RW-1	08-Feb-95	17.05	0.00	0.00	20.57	0.43	0.00	967.83	967.83	
RW-1	15-Feb-95	17.16	0.00	0.00	20.51	0.49	0.00	967.72	967.72	
RW-1	22-Feb-95	17.17	0.00	0.00	20.54	0.46	0.00	967.71	967.71	
RW-1	01-Mar-95	17.02	0.00	0.00	20.50	0.50	0.00	967.86	967.86	
RW-1	08-Mar-95	16.94	0.00	0.00	20.65	0.35	0.00	967.94	967.94	
RW-1	16-Mar-95	16.90	0.00	0.00	20.80	0.20	0.00	967.98	967.98	
RW-1	22-Mar-95	16.99	16.94	0.05	20.80	0.20	967.94	967.89	967.94	
RW-1	30-Mar-95	12.95	12.76	0.19	20.72	0.28	972.12	971.93	972.11	
RW-1	06-Apr-95	16.90	16.88	0.02			968.00	967.98	968.00	
RW-1	12-Apr-95	17.14	0.00	0.00	20.54	0.46	0.00	967.74	967.74	
RW-1	19-Apr-95	17.50	17.21	0.29	20.51	0.49	967.67	967.38	967.65	
RW-1	26-Apr-95	17.55	17.20	0.35			967.68	967.33	967.66	
RW-1	03-May-95	17.24	0.00	0.00	20.47	0.53	0.00	967.64	967.64	
RW-1	10-May-95	17.25	17.00	0.25	20.50	0.50	967.88	967.63	967.86	
RW-1	17-May-95	17.25	0.00	0.00	20.45	0.55	0.00	967.63	967.63	
RW-1	23-May-95	17.09	17.08	0.01	20.66	0.34	967.80	967.79	967.80	
RW-1	31-May-95	17.46	17.15	0.31	20.48	0.52	967.73	967.42	967.71	
RW-1	07-Jun-95	17.08	0.00	0.00			0.00	967.80	967.80	
RW-1	14-Jun-95	17.08	0.00	0.00	20.60	0.40	0.00	967.80	967.80	
RW-1	22-Jun-95	17.02	0.00	0.00	20.40	0.60	0.00	967.86	967.86	
RW-1	28-Jun-95	17.26	0.00	0.00	20.60	0.40	0.00	967.62	967.62	
RW-1	05-Jul-95	17.14	0.00	0.00	20.79	0.21	0.00	967.74	967.74	
RW-1	12-Jul-95	17.09	0.00	0.00	20.54	0.46	0.00	967.79	967.79	
RW-1	19-Jul-95	17.39	0.00	0.00	20.50	0.50	0.00	967.49	967.49	
RW-1	26-Jul-95	16.95	0.00	0.00	20.45	0.55	0.00	967.93	967.93	
RW-1	02-Aug-95	17.02	0.00	0.00	20.60	0.40	0.00	967.86	967.86	
RW-1	09-Aug-95	17.25	0.00	0.00	20.50	0.50	0.00	967.63	967.63	
RW-1	16-Aug-95	17.07	0.00	0.00	20.60	0.40	0.00	967.81	967.81	
RW-1	23-Aug-95	17.50	0.00	0.00	20.50	0.50	0.00	967.38	967.38	
RW-1	30-Aug-95	17.07	0.00	0.00	20.50	0.50	0.00	967.81	967.81	

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APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
RW-1	07-Sep-95	17.15	0.00	0.00			0.00	967.73	967.73	
RW-1	14-Sep-95	16.93	16.92	0.01	20.75	0.25	967.96	967.95	967.96	
RW-1	21-Sep-95	16.70	0.00	0.00	20.80	0.20	0.00	968.18	968.18	
RW-1	27-Sep-95	16.55	0.00	0.00			0.00	968.33	968.33	
RW-1	05-Oct-95	16.50	0.00	0.00	20.60	0.40	0.00	968.38	968.38	
RW-1	11-Oct-95	16.39	0.00	0.00			0.00	968.49	968.49	
RW-1	18-Oct-95	17.21	0.00	0.00	20.90	0.10	0.00	967.67	967.67	
RW-1	26-Oct-95	16.50	0.00	0.00	20.60	0.40	0.00	968.38	968.38	
RW-1	01-Nov-95	16.52	16.51	0.01	20.70	0.30	968.37	968.36	968.37	
RW-1	08-Nov-95	16.81	0.00	0.00	20.70	0.30	0.00	968.07	968.07	
RW-1	15-Nov-95	16.85	16.60	0.25	20.35	0.65	968.28	968.03	968.26	
RW-1	21-Nov-95	17.05	16.81	0.24	20.50	0.50	968.07	967.83	968.05	
RW-1	29-Nov-95	16.75	16.46	0.29	20.98	0.02	968.42	968.13	968.40	
RW-1	06-Dec-95	16.91	16.68	0.23	20.30	0.70	968.20	967.97	968.18	
RW-1	13-Dec-95	16.75	16.70	0.05	20.40	0.60	968.18	968.13	968.18	
RW-1	19-Dec-95	16.76	16.54	0.22			968.34	968.12	968.32	
RW-1	27-Dec-95	16.75	16.70	0.05	20.50	0.50	968.18	968.13	968.18	
RW-1	04-Jan-96	16.95	0.00	0.00	20.80	0.20	0.00	967.93	967.93	
RW-1	10-Jan-96	16.64	0.00	0.00	20.50	0.50	0.00	968.24	968.24	
RW-1	17-Jan-96	16.85	0.00	0.00	20.50	0.50	0.00	968.03	968.03	
RW-1	25-Jan-96	16.51	0.00	0.00	20.50	0.50	0.00	968.37	968.37	
RW-1	31-Jan-96	16.60	0.00	0.00	20.60	0.40	0.00	968.28	968.28	
RW-1	06-Feb-96	16.78	0.00	0.00	20.70	0.30	0.00	968.10	968.10	
RW-1	14-Feb-96	16.53	0.00	0.00	20.70	0.30	0.00	968.35	968.35	
RW-1	22-Feb-96	16.52	0.00	0.00	20.60	0.40	0.00	968.36	968.36	
RW-1	28-Feb-96	16.70	16.68	0.02	20.60	0.40	968.20	968.18	968.20	
RW-1	06-Mar-96	16.60	0.00	0.00	20.70	0.30	0.00	968.28	968.28	
RW-1	13-Mar-96	16.32	0.00	0.00	20.90	0.10	0.00	968.56	968.56	
RW-1	20-Mar-96	16.42	0.00	0.00	20.50	0.50	0.00	968.46	968.46	
RW-1	27-Mar-96	16.60	16.59	0.01	20.70	0.30	968.29	968.28	968.29	
RW-1	03-Apr-96			0.00			0.00	964.88	964.88	
RW-1	03-Apr-96	16.85	16.51	0.34	20.50	0.50	968.37	968.03	968.35	
RW-2	05-Jan-94	18.40	0.00	0.00			0.00	967.52	967.52	
RW-2	12-Jan-94	18.35	0.00	0.00			0.00	967.57	967.57	
RW-2	20-Jan-94	17.82	0.00	0.00			0.00	968.10	968.10	
RW-2	26-Jan-94	18.35	0.00	0.00			0.00	967.57	967.57	
RW-2	02-Feb-94	18.00	0.00	0.00			0.00	967.92	967.92	
RW-2	09-Feb-94	18.03	0.00	0.00			0.00	967.89	967.89	
RW-2	15-Feb-94	18.00	0.00	0.00			0.00	967.92	967.92	
RW-2	25-Feb-94	17.70	0.00	0.00			0.00	968.22	968.22	
RW-2	02-Mar-94	17.75	0.00	0.00			0.00	968.17	968.17	
RW-2	09-Mar-94	17.80	0.00	0.00			0.00	968.12	968.12	
RW-2	16-Mar-94	15.10	0.00	0.00			0.00	970.82	970.82	
RW-2	23-Mar-94	13.60	0.00	0.00			0.00	972.32	972.32	
RW-2	04-Apr-94	12.47	0.00	0.00			0.00	973.45	973.45	
RW-2	06-Apr-94	11.92	0.00	0.00			0.00	974.00	974.00	
RW-2	13-Apr-94	12.15	0.00	0.00			0.00	973.77	973.77	
RW-2	20-Apr-94	12.44	0.00	0.00			0.00	973.48	973.48	
RW-2	27-Apr-94	13.78	0.00	0.00			0.00	972.14	972.14	
RW-2	04-May-94	15.74	0.00	0.00			0.00	970.18	970.18	

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APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
RW-2	11-May-94	17.50	0.00	0.00			0.00	968.42	968.42	
RW-2	18-May-94	15.00	0.00	0.00			0.00	970.92	970.92	
RW-2	25-May-94	16.10	0.00	0.00			0.00	969.82	969.82	
RW-2	02-Jun-94	16.30	0.00	0.00			0.00	969.62	969.62	
RW-2	08-Jun-94	16.00	0.00	0.00			0.00	969.92	969.92	
RW-2	16-Jun-94	17.01	0.00	0.00			0.00	968.91	968.91	
RW-2	23-Jun-94	16.15	0.00	0.00			0.00	969.77	969.77	
RW-2	30-Jun-94	16.30	0.00	0.00			0.00	969.62	969.62	
RW-2	07-Jul-94	16.20	0.00	0.00			0.00	969.72	969.72	
RW-2	13-Jul-94	18.74	0.00	0.00			0.00	967.18	967.18	
RW-2	20-Jul-94	18.60	0.00	0.00			0.00	967.32	967.32	
RW-2	28-Jul-94	17.60	0.00	0.00			0.00	968.32	968.32	
RW-2	03-Aug-94	17.78	0.00	0.00			0.00	968.14	968.14	
RW-2	10-Aug-94	17.40	0.00	0.00			0.00	968.52	968.52	
RW-2	17-Aug-94	18.60	0.00	0.00			0.00	967.32	967.32	
RW-2	24-Aug-94	18.55	0.00	0.00			0.00	967.37	967.37	
RW-2	31-Aug-94	18.75	0.00	0.00			0.00	967.17	967.17	
RW-2	06-Sep-94	18.55	0.00	0.00			0.00	967.37	967.37	
RW-2	14-Sep-94	18.55	0.00	0.00			0.00	967.37	967.37	
RW-2	21-Sep-94	16.27	0.00	0.00			0.00	969.65	969.65	
RW-2	28-Sep-94	16.27	0.00	0.00			0.00	969.65	969.65	
RW-2	05-Oct-94	17.69	0.00	0.00			0.00	968.23	968.23	
RW-2	12-Oct-94	17.85	0.00	0.00			0.00	968.07	968.07	
RW-2	19-Oct-94	18.70	0.00	0.00			0.00	967.22	967.22	
RW-2	27-Oct-94	18.62	0.00	0.00			0.00	967.30	967.30	
RW-2	03-Nov-94	18.50	0.00	0.00			0.00	967.42	967.42	
RW-2	09-Nov-94	18.65	0.00	0.00			0.00	967.27	967.27	
RW-2	16-Nov-94	18.55	0.00	0.00			0.00	967.37	967.37	
RW-2	23-Nov-94	18.50	0.00	0.00			0.00	967.42	967.42	
RW-2	07-Dec-94	18.50	0.00	0.00			0.00	967.42	967.42	
RW-2	15-Dec-94	18.70	0.00	0.00			0.00	967.22	967.22	
RW-2	21-Dec-94	18.29	0.00	0.00			0.00	967.63	967.63	
RW-2	28-Dec-94	18.40	0.00	0.00			0.00	967.52	967.52	
RW-2	04-Jan-95	18.11	0.00	0.00			0.00	967.81	967.81	
RW-2	11-Jan-95	18.10	0.00	0.00			0.00	967.82	967.82	
RW-2	18-Jan-95	16.50	0.00	0.00			0.00	969.42	969.42	
RW-2	25-Jan-95	17.91	0.00	0.00			0.00	968.01	968.01	
RW-2	01-Feb-95	18.40	0.00	0.00			0.00	967.52	967.52	
RW-2	08-Feb-95	18.55	0.00	0.00			0.00	967.37	967.37	
RW-2	15-Feb-95	18.41	0.00	0.00			0.00	967.51	967.51	
RW-2	22-Feb-95	18.50	0.00	0.00			0.00	967.42	967.42	
RW-2	01-Mar-95	17.04	0.00	0.00			0.00	968.88	968.88	
RW-2	08-Mar-95	16.60	0.00	0.00			0.00	969.32	969.32	
RW-2	16-Mar-95	14.15	0.00	0.00			0.00	971.77	971.77	
RW-2	22-Mar-95	15.20	0.00	0.00			0.00	970.72	970.72	
RW-2	30-Mar-95	14.19	0.00	0.00			0.00	971.73	971.73	
RW-2	06-Apr-95	17.10	0.00	0.00			0.00	968.82	968.82	
RW-2	12-Apr-95	16.39	0.00	0.00			0.00	969.53	969.53	
RW-2	19-Apr-95	15.31	0.00	0.00			0.00	970.61	970.61	
RW-2	26-Apr-95	15.90	0.00	0.00			0.00	970.02	970.02	

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APPENDIX D

GENERAL ELECTRIC CORPORATION
LYMAN STREET PARKING LOT AND FORMER OXBOW E
PITTSFIELD, MASSACHUSETTS

FLUID LEVEL MEASUREMENTS

Well Name	Date	Depth to Water (feet)	Depth to LNAPL (feet)	LNAPL Thickness (feet)	DNAPL Depth (feet)	DNAPL Thickness (feet)	Measured LNAPL Elevation (feet)	Measured Water Elevation (feet)	Corrected Water Elevation (feet)	Comments
RW-2	03-May-95	17.90	0.00	0.00			0.00	968.03	968.03	
RW-2	10-May-95	18.20	0.00	0.00			0.00	967.72	967.72	
RW-2	17-May-95	17.90	0.00	0.00			0.00	968.02	968.02	
RW-2	23-May-95	18.16	0.00	0.00			0.00	967.76	967.76	
RW-2	31-May-95	18.30	0.00	0.00			0.00	967.62	967.62	
RW-2	07-Jun-95	14.51	0.00	0.00			0.00	971.41	971.41	
RW-2	14-Jun-95	18.20	0.00	0.00			0.00	967.72	967.72	
RW-2	22-Jun-95	18.05	0.00	0.00			0.00	967.87	967.87	
RW-2	28-Jun-95	18.52	0.00	0.00			0.00	967.40	967.40	
RW-2	05-Jul-95	15.12	0.00	0.00			0.00	970.80	970.80	
RW-2	12-Jul-95	18.65	0.00	0.00			0.00	967.27	967.27	
RW-2	19-Jul-95	18.50	0.00	0.00			0.00	967.42	967.42	
RW-2	26-Jul-95	18.50	0.00	0.00			0.00	967.42	967.42	
RW-2	02-Aug-95	18.38	0.00	0.00			0.00	967.54	967.54	
RW-2	09-Aug-95	18.30	0.00	0.00			0.00	967.62	967.62	
RW-2	16-Aug-95	15.12	0.00	0.00			0.00	970.80	970.80	
RW-2	23-Aug-95	18.15	0.00	0.00			0.00	967.77	967.77	
RW-2	30-Aug-95	18.49	0.00	0.00			0.00	967.43	967.43	
RW-2	07-Sep-95	19.09	0.00	0.00			0.00	966.83	966.83	
RW-2	14-Sep-95	18.20	0.00	0.00			0.00	967.72	967.72	
RW-2	21-Sep-95	20.08	0.00	0.00			0.00	967.74	967.74	
RW-2	27-Sep-95	19.70	0.00	0.00			0.00	968.12	968.12	
RW-2	05-Oct-95	19.70	0.00	0.00			0.00	968.12	968.12	
RW-2	11-Oct-95	19.60	0.00	0.00			0.00	968.22	968.22	
RW-2	18-Oct-95	19.76	0.00	0.00			0.00	968.06	968.06	
RW-2	26-Oct-95	19.70	0.00	0.00			0.00	968.12	968.12	
RW-2	01-Nov-95	19.60	0.00	0.00			0.00	968.22	968.22	
RW-2	08-Nov-95	20.92	0.00	0.00			0.00	966.90	966.90	
RW-2	15-Nov-95	19.80	0.00	0.00			0.00	968.02	968.02	
RW-2	21-Nov-95	19.90	0.00	0.00			0.00	967.92	967.92	
RW-2	29-Nov-95	19.60	0.00	0.00			0.00	968.22	968.22	
RW-2	06-Dec-95	20.30	0.00	0.00			0.00	967.52	967.52	
RW-2	13-Dec-95	20.60	0.00	0.00			0.00	967.22	967.22	
RW-2	19-Dec-95	20.70	0.00	0.00			0.00	967.12	967.12	
RW-2	27-Dec-95	20.70	0.00	0.00			0.00	967.12	967.12	
RW-2	04-Jan-96	20.74	0.00	0.00			0.00	967.08	967.08	
RW-2	10-Jan-96	pump failure		0.00			0.00	967.82	967.82	
RW-2	17-Jan-96	20.20	0.00	0.00			0.00	967.62	967.62	
RW-2	25-Jan-96	20.22	0.00	0.00			0.00	967.60	967.60	
RW-2	31-Jan-96	20.10	0.00	0.00			0.00	967.72	967.72	
RW-2	06-Feb-96	20.10	0.00	0.00			0.00	967.72	967.72	
RW-2	14-Feb-96	19.98	0.00	0.00			0.00	967.84	967.84	
RW-2	22-Feb-96	20.05	0.00	0.00			0.00	967.77	967.77	
RW-2	28-Feb-96	20.05	0.00	0.00	20.02		0.00	967.77	967.77	
RW-2	06-Mar-96	20.22	0.00	0.00			0.00	967.60	967.60	
RW-2	13-Mar-96	20.05	0.00	0.00			0.00	967.77	967.77	
RW-2	20-Mar-96	20.10	0.00	0.00			0.00	967.72	967.72	
RW-2	27-Mar-96	20.15	0.00	0.00			0.00	967.67	967.67	
RW-2	03-Apr-96	20.30	0.00	0.00			0.00	967.52	967.52	

APPENDIX E

HYDRAULIC CONDUCTIVITY TESTING

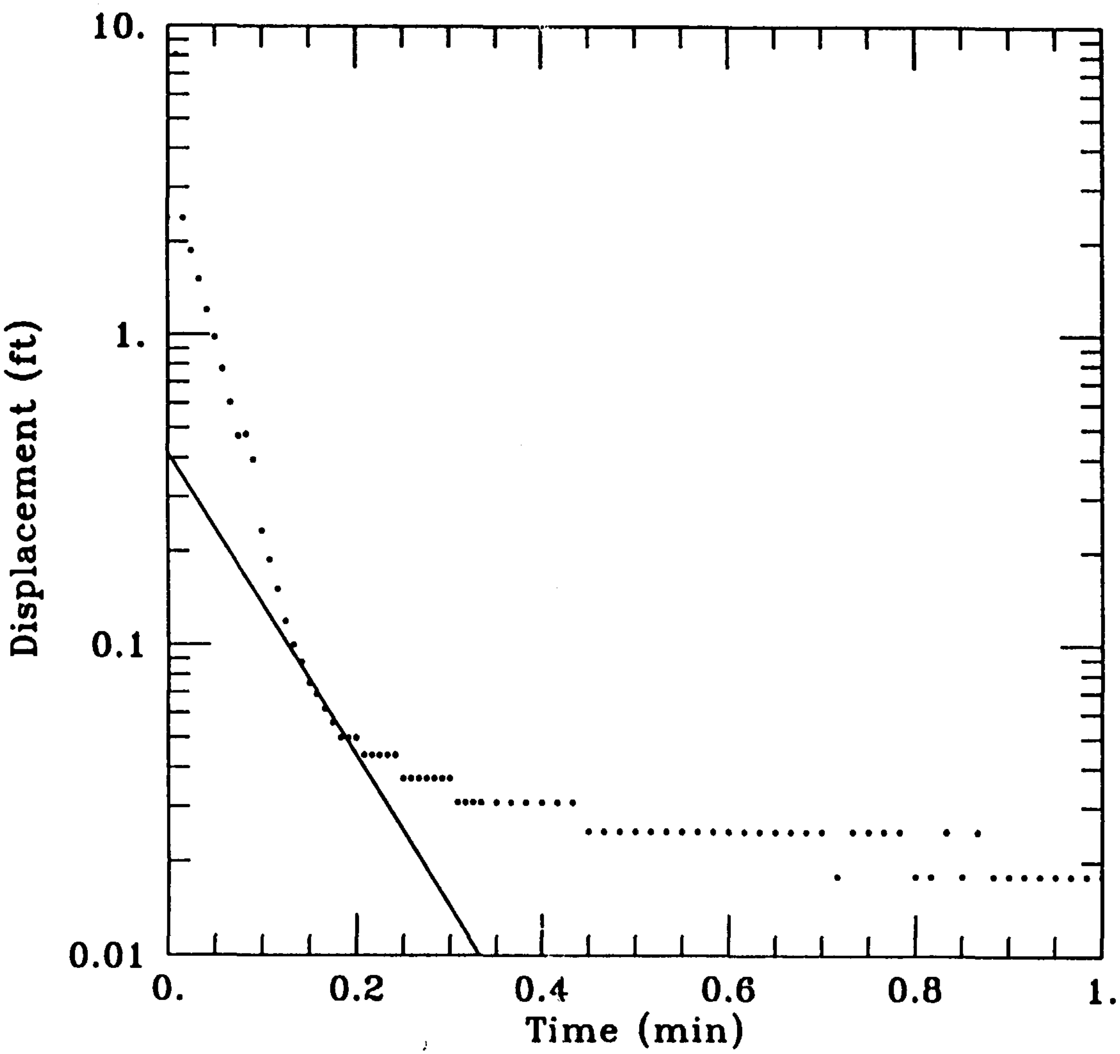
PITTSFIELD, MASSACHUSETTS

SUMMARY OF HYDRAULIC CONDUCTIVITY
SLUG TESTING RESULTS

Monitoring Well	Test Date	Hydraulic Conductivity (cm/s)	Hydraulic Conductivity (ft/day)	Screened Unit	Analysis Performed by:
LS-28	9/18/95	2.4E-02	68	F-C Sand	BBL (This report, 1996)
LS-29	9/18/95	9.1E-03	26	F-C Sand	BBL (This report, 1996)
LS-38	9/18/95	1.0E-03	2.9	F-C Sand	BBL (This report, 1996)
E-3	9/18/95	2.8E-02	79	F-M Sand	BBL (This report, 1996)
E-4	9/18/95	4.6E-02	130	F-M Sand	BBL (This report, 1996)
E-7	9/18/95	6.4E-03	18	F-M Sand	BBL (This report, 1996)
LS-37	9/18/95	5.1E-03	14	F-M Sand	BBL (This report, 1996)
LS-02	12/21/95	6.0E-03	17	Fill	Golder Associates (1996
LS-32	12/21/95	4.8E-04	1.4	Fill	Golder Associates (1996
LS-33	12/21/95	1.4E-03	3.9	Fill	Golder Associates (1996
LS-35	9/18/95	1.1E-03	3.1	Fill	BBL (This report, 1996)
LS-41	12/21/95	1.9E-03	5.4	Fill	Golder Associates (1996
Minimum		4.8E-04	1.4		
Maximum		4.6E-02	130		
F-C Sand Geometric Mean		9.9E-03	28.0	F-C Sand	
Fill Geometric Mean		1.5E-03	4.3	Fill	
Geometric Mean (all)		4.5E-03	12.9		

Client: General Electric Company	Company: Blasland, Bouck and Lee, Inc.
Location: Lyman Street Parking Lot Site	Project: 201.14.011

LS – 28 Rising Head Slug Test



DATA SET:
LS-28.PAR
04/15/96

AQUIFER MODEL:
Unconfined

SOLUTION METHOD:
Bouwer-Rice

PROJECT DATA:
test date: 9-18-95
test well: LS-28
obs. well: LS-28

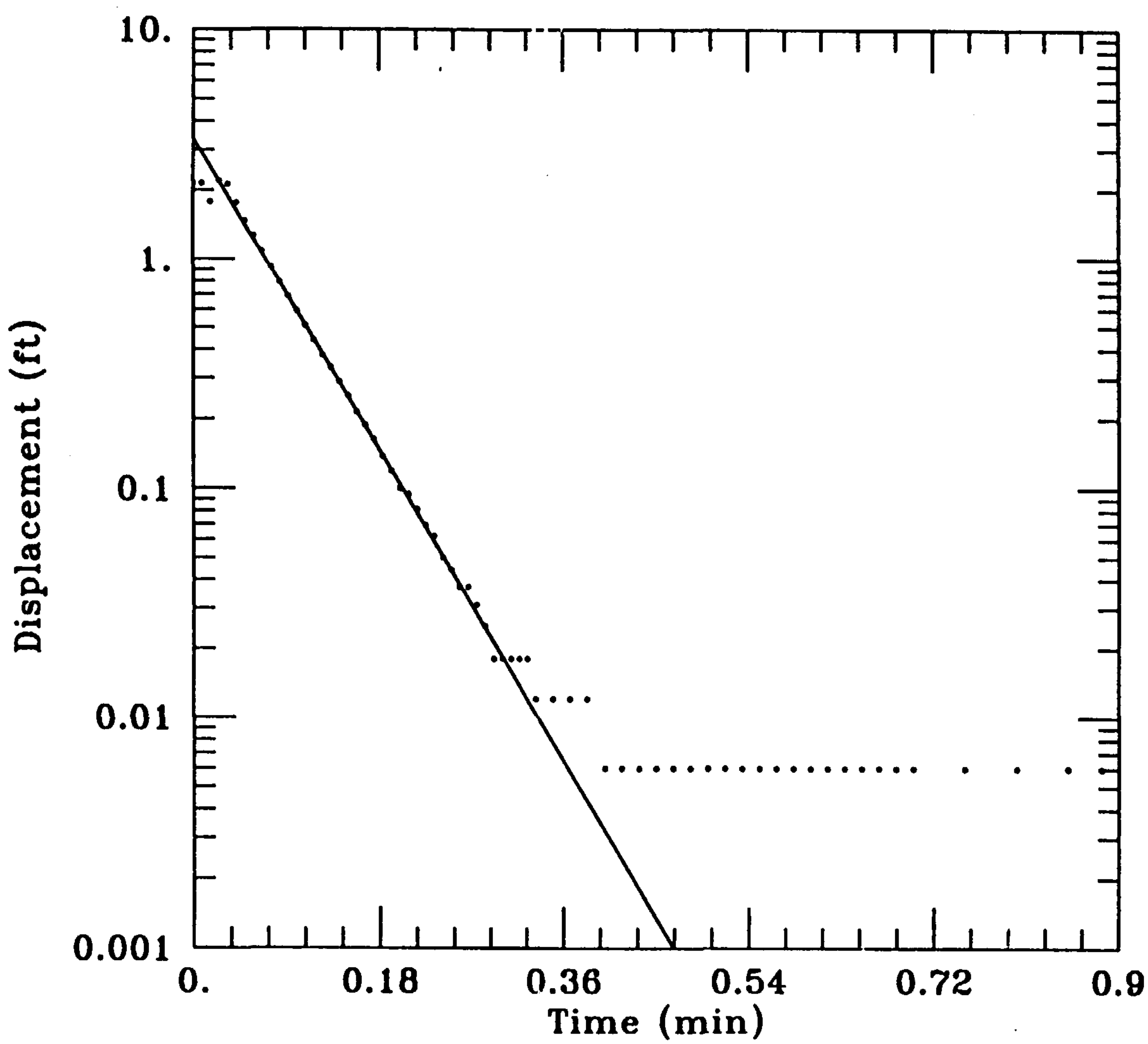
TEST DATA:
H0 = 2.393 ft
rc = 0.08333 ft
rw = 0.3333 ft
L = 12.51 ft
b = 12.51 ft
H = 12.51 ft

PARAMETER ESTIMATES:
K = 0.04728 ft/min
y0 = 0.4167 ft

AQTESOLV

Client: **General Electric Company**	Company: **Blasland, Bouck and Lee, Inc.**
Location: **Lyman Street Parking Lot Site**	Project: **201.14.011**

LS – 29 Rising Head Slug Test



DATA SET:
LS-29.PAR
04/15/96

AQUIFER MODEL:
Unconfined

SOLUTION METHOD:
Bouwer-Rice

PROJECT DATA:
test date: 9-18-95
test well: LS-29
obs. well: LS-29

TEST DATA:
H0 = 2.141 ft
rc = 0.08333 ft
rw = 0.3333 ft
L = 10. ft
b = 18.94 ft
H = 18.94 ft

PARAMETER ESTIMATES:
K = 0.01785 ft/min
y0 = 3.361 ft

314

AQTESOLV

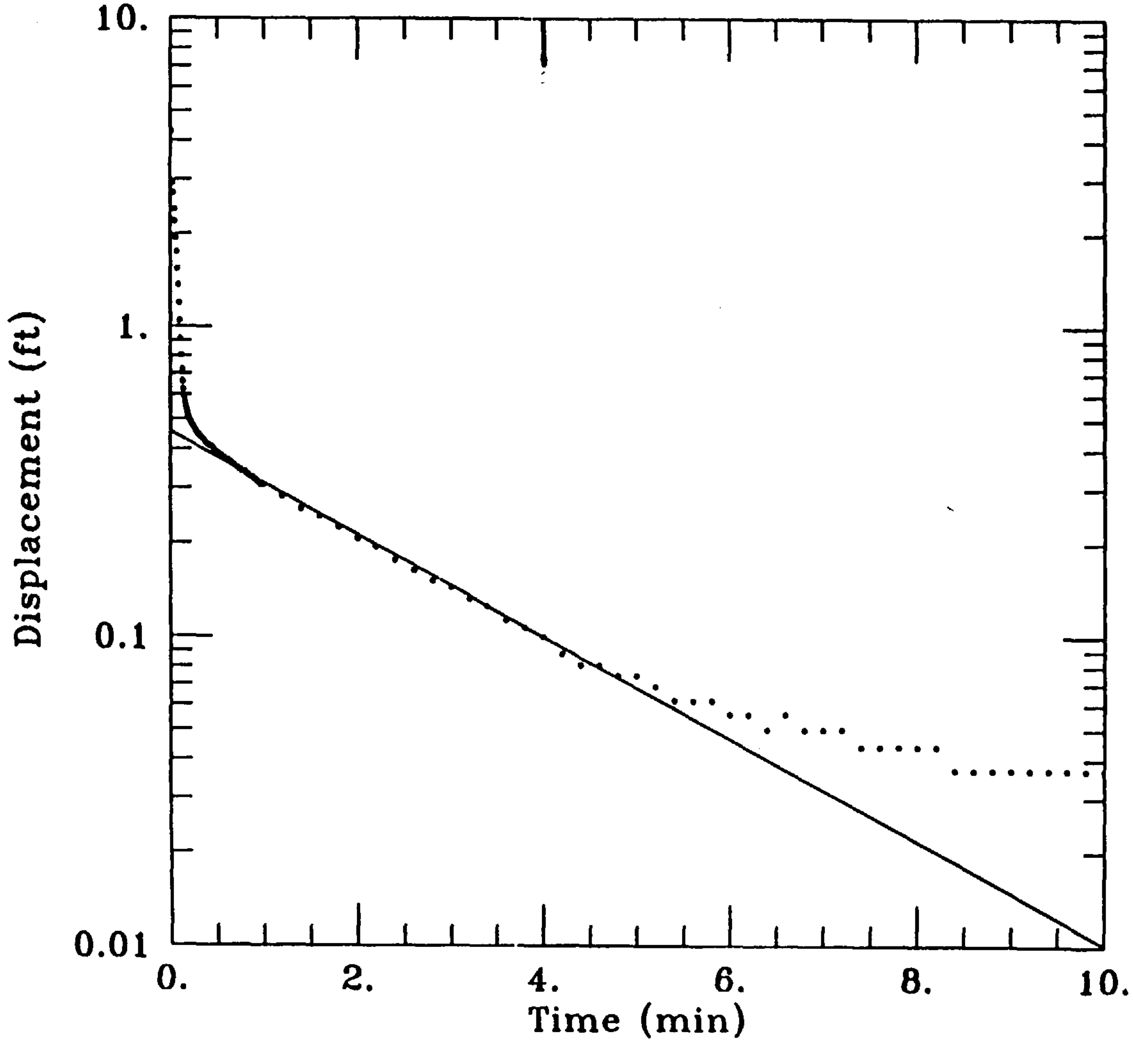
Client: General Electric Company

Company: Blasland, Bouck and Lee, Inc.

Location: Lyman Street Parking Lot Site

Project: 201.14.011

LS – 38 Rising Head Slug Test



DATA SET:
LS-38.PAR
04/15/96

AQUIFER MODEL:
Unconfined

SOLUTION METHOD:
Bouwer-Rice

PROJECT DATA:
test date: 9-18-95
test well: LS-38
obs. well: LS-38

TEST DATA:
H0 = 2.909 ft
rc = 0.08333 ft
rw = 0.3333 ft
L = 9.04 ft
b = 9.04 ft
H = 9.04 ft

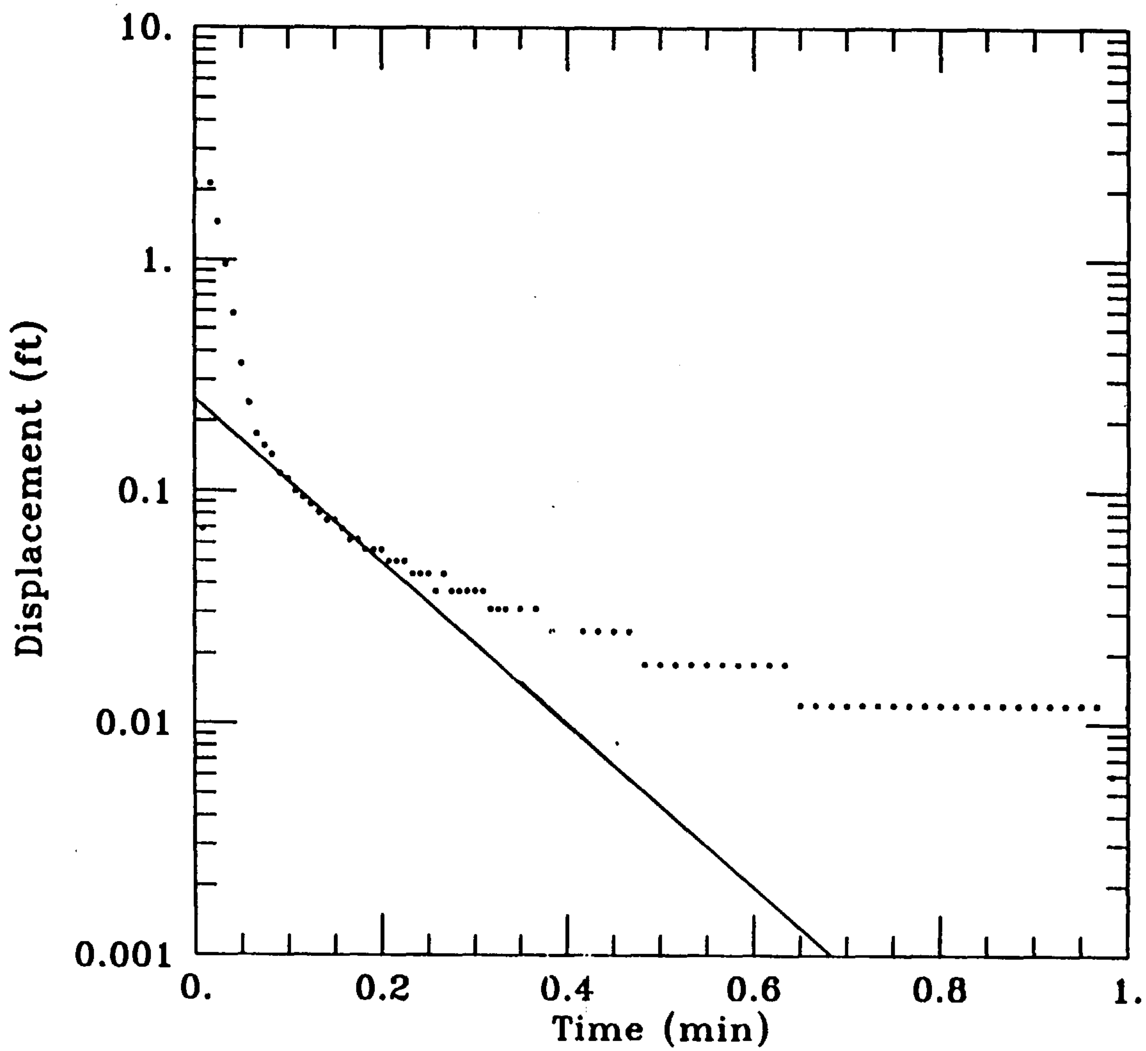
PARAMETER ESTIMATES:
K = 0.001999 ft/min
y0 = 0.4573 ft

5

AQTESOLV

Client: **General Electric Company**	Company: **Blasland, Bouck and Lee, Inc.**
Location: **Former Oxbow E**	Project: **201.14.011**

E – 3 Rising Head Slug Test



DATA SET:
E-3.PAR
04/15/96

AQUIFER MODEL:
Unconfined

SOLUTION METHOD:
Bouwer-Rice

PROJECT DATA:
test date: 9-18-95
test well: E-3
obs. well: E-3

TEST DATA:
H0 = 2.134 ft
rc = 0.08333 ft
rw = 0.3333 ft
L = 6.01 ft
b = 6.01 ft
H = 6.01 ft

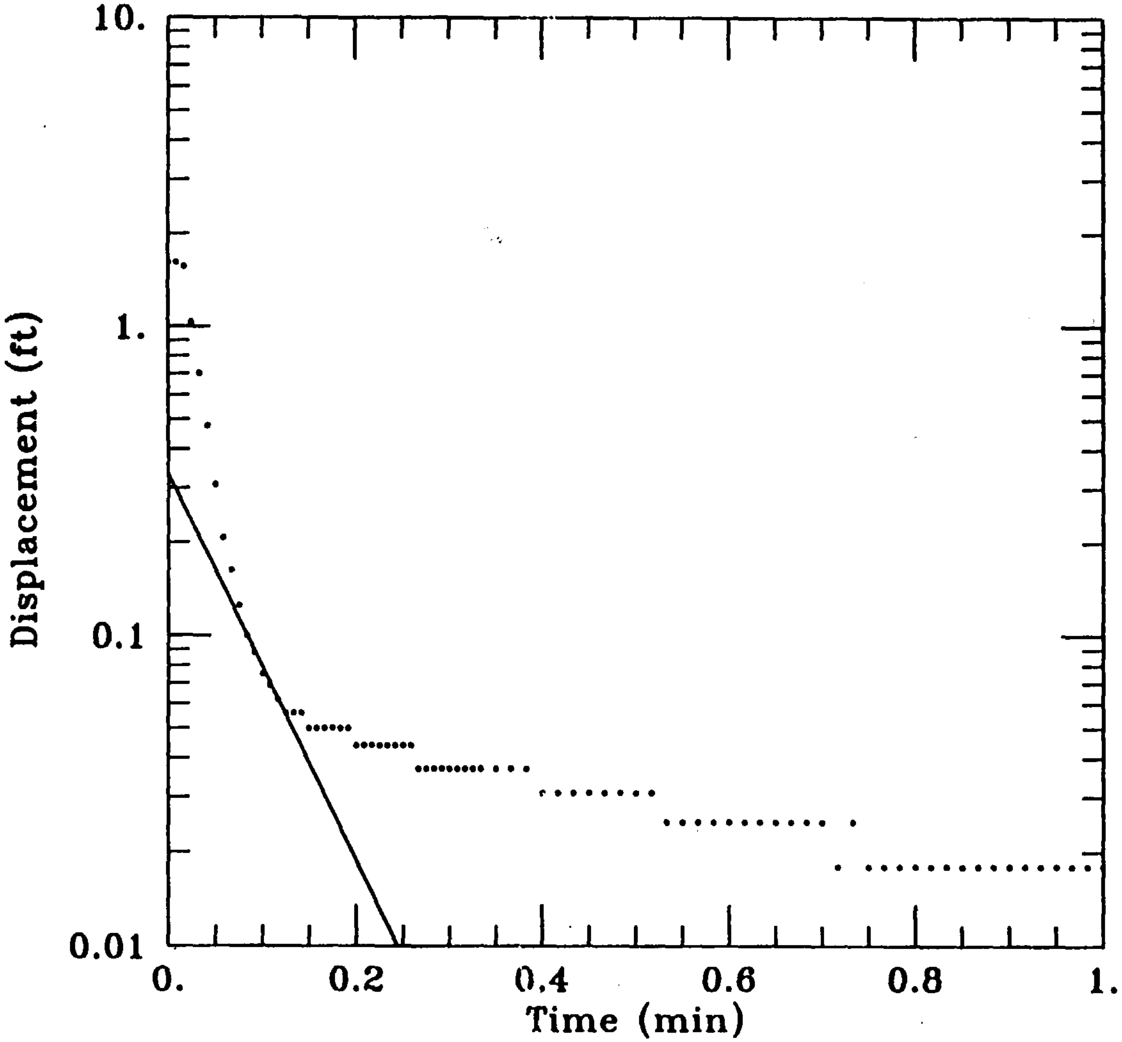
PARAMETER ESTIMATES:
K = 0.0546 ft/min
y0 = 0.2485 ft

9

AQTESOLV

Client: **General Electric Company**	Company: **Blasland, Bouck and Lee, Inc.**
Location: **Former Oxbow E**	Project: **201.14.011**

E – 4 Rising Head Slug Test



DATA SET:
E-4.PAR
04/15/96

AQUIFER MODEL:
Unconfined

SOLUTION METHOD:
Bouwer-Rice

PROJECT DATA:
test date: 9-18-95
test well: E-4
obs. well: E-4

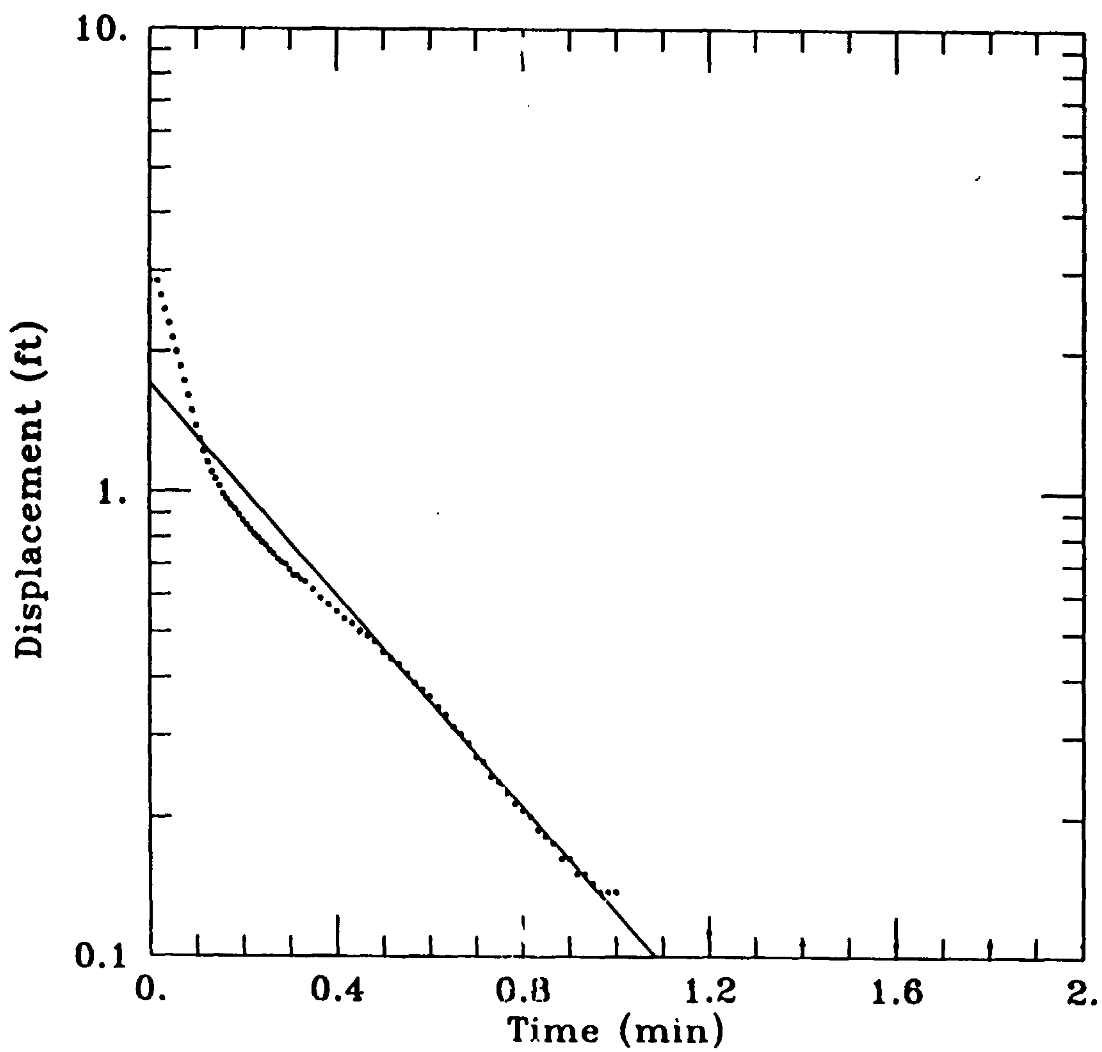
TEST DATA:
H0 = 1.612 ft
rc = 0.08333 ft
rw = 0.3333 ft
L = 6.69 ft
b = 6.69 ft
H = 6.69 ft

PARAMETER ESTIMATES:
K = 0.09114 ft/min
y0 = 0.3332 ft

AQTESOLV

Client: **General Electric Company**	Company: **Blasland, Bouck and Lee, Inc.**
Location: **Former Oxbow E**	Project: **201.14.011**

E – 7 Rising Head Slug Test



DATA SET:
E-7.PAR
04/15/96

AQUIFER MODEL:
Unconfined

SOLUTION METHOD:
Bouwer-Rice

PROJECT DATA:
test date: 9-18-95
test well: E-7
obs. well: E-7

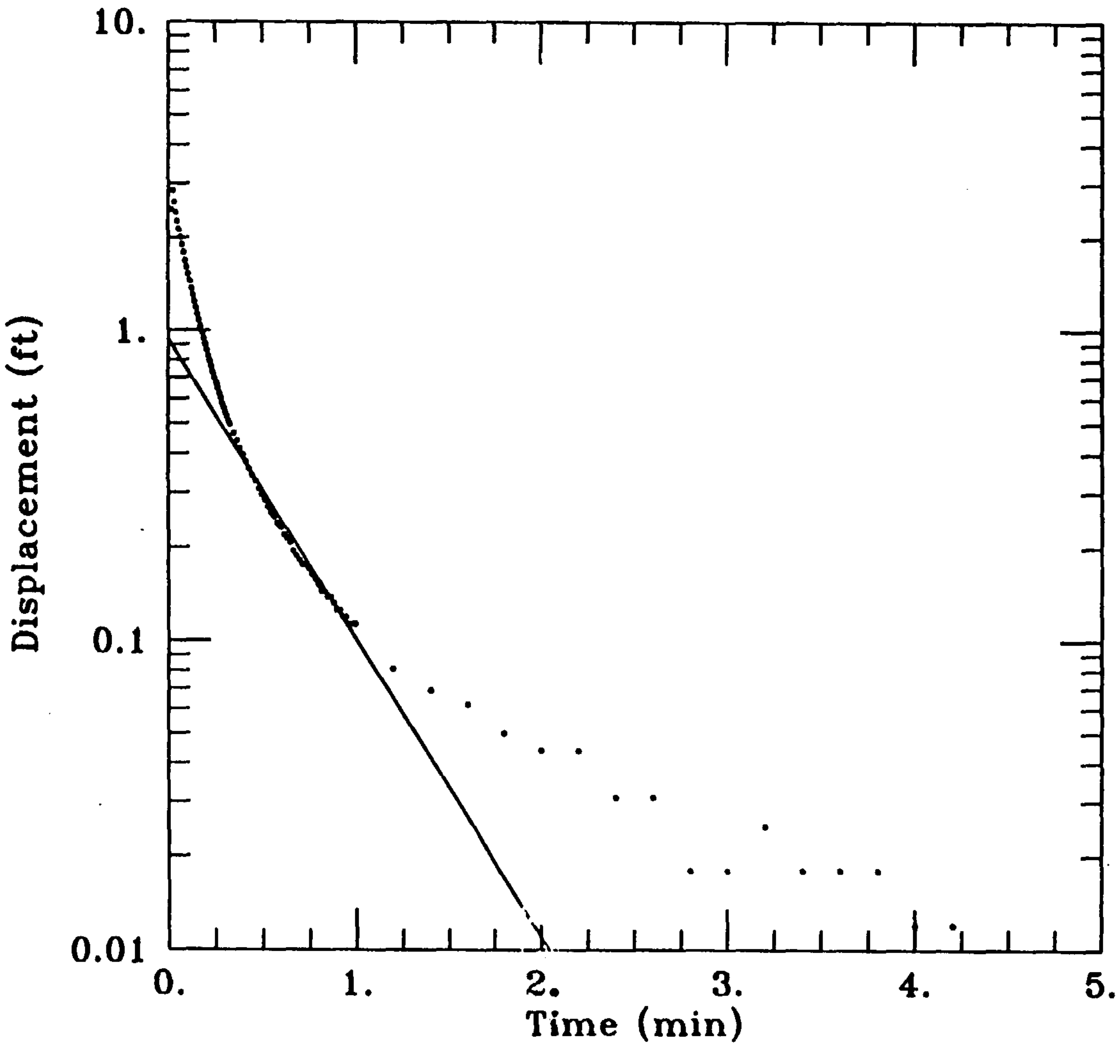
TEST DATA:
H0 = 2.852 ft
rc = 0.08333 ft
rw = 0.3333 ft
L = 10.29 ft
b = 10.29 ft
H = 10.29 ft

PARAMETER ESTIMATES:
K = 0.0126 ft/min
y0 = 1.71 ft

AQTESOLV

Client: **General Electric Company**	Company: **Blasland, Bouck and Lee, Inc.**
Location: **Lyman Street Parking Lot Site**	Project: **201.14.011**

LS – 37 Rising Head Slug Test



DATA SET:
LS-37.PAR
04/15/96

AQUIFER MODEL:
Unconfined

SOLUTION METHOD:
Bouwer-Rice

PROJECT DATA:
test date: 9-18-95
test well: LS-37
obs. well: LS-37

TEST DATA:
H0 = 2.846 ft
rc = 0.08333 ft
rw = 0.3333 ft
L = 11.33 ft
b = 11.33 ft
H = 11.33 ft

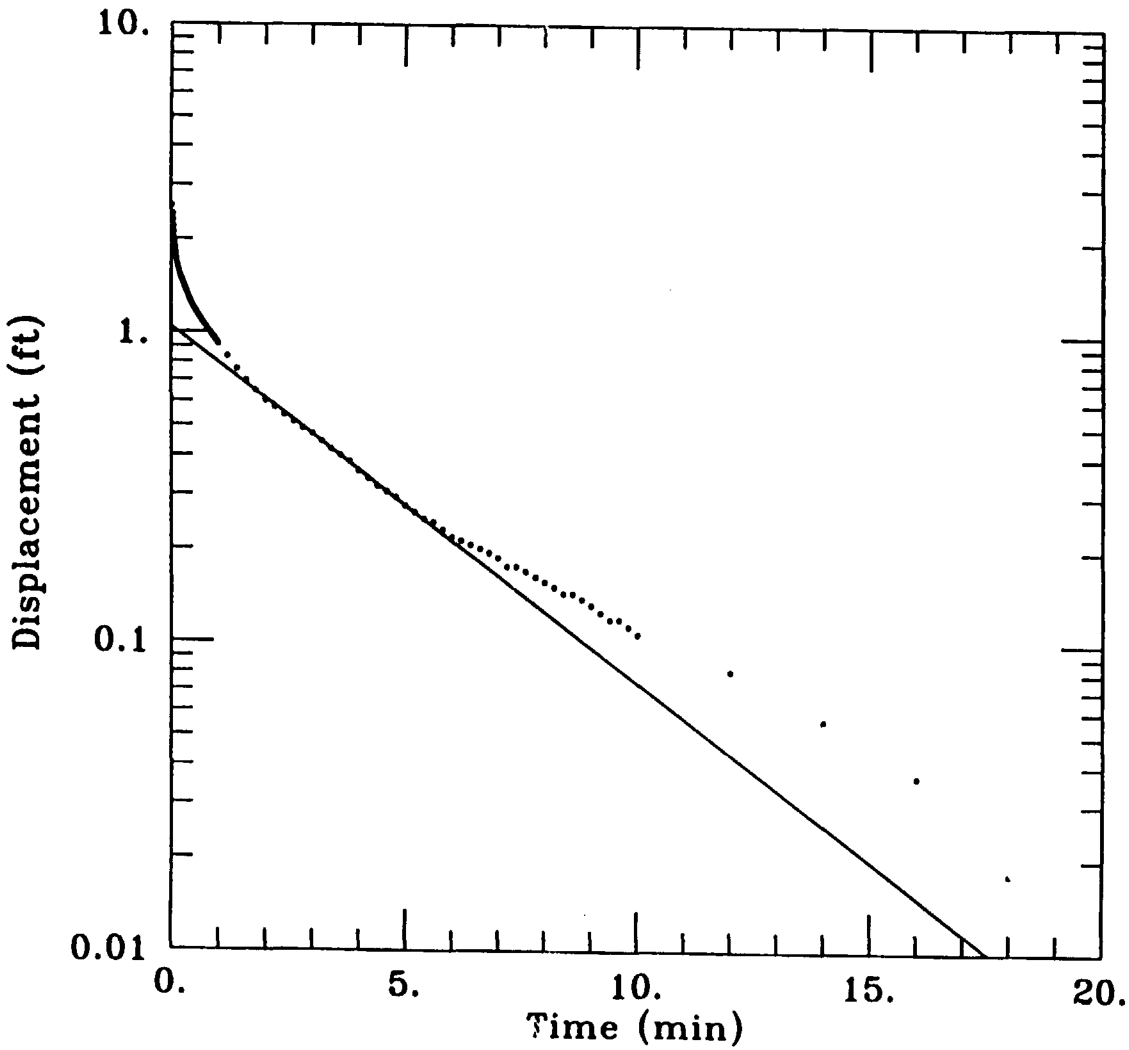
PARAMETER ESTIMATES:
K = 0.01002 ft/min
y0 = 0.9353 ft

b16

AQTESOLV

Client: **General Electric Company**	Company: **Blasland, Bouck and Lee, Inc.**
Location: **Lyman Street Parking Lot Site**	Project: **201.14.011**

LS – 35 Rising Head Slug Test



DATA SET:
LS-35.PAR
06/24/96

AQUIFER MODEL:
Unconfined

SOLUTION METHOD:
Bouwer-Rice

PROJECT DATA:
test date: 9-18-95

TEST DATA:
H0 = 2.562 ft
rc = 0.08333 ft
rw = 0.3333 ft
L = 4.41 ft
b = 4.41 ft
H = 4.41 ft

PARAMETER ESTIMATES:
K = 0.002144 ft/min
y0 = 1.04 ft

370

AQTESOLV